

**GRUPPO RAINA**  
ITALIANARETAIL

Made in Italy  
orgogliosi di esserlo

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**INTEGRAZIONE**

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GRUPPO  **RAINA**  
ITALIANA RETAIL

Leveraging ceilings as design elements

Adapt solutions according to the brand image

# The right **light**

Orienting the customer through light

Enhance the brand

Illuminate with greater visual comfort



# ITALIANA RETAIL



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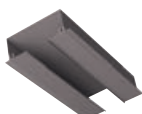
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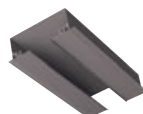
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MINI DECK

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MINI DECK R

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MINI DECK UP

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MINI DECK UP R

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MINI ARM

illuminazione per vetrina espositiva misure personalizzabili.

*Lighting for display case customizable dimension.*

*Éclairage pour vitrine de dimensions personnalisables.*

*Iluminación para vitrina de dimensiones personalizables.*

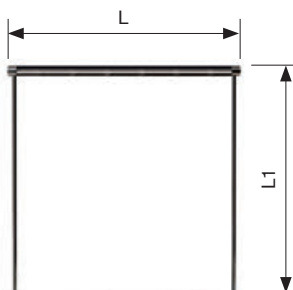
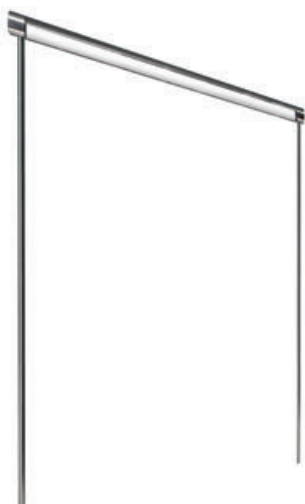
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## SISTEMI LED PER VETRINE

LED SYSTEMS FOR SHOWCASES  
SYSTÈMES LED POUR VITRINES  
SISTEMAS LED PARA VITRINAS







## MINI DECK

Illuminazione per vetrina espositiva a ponte 24 Volt.

Lighting for display case 24 Volt.

Éclairage pour vitrine 24 Volt.

Illuminación para vitrina 24 Volt.

Corpo e supporto in alluminio estruso. Terminali di chiusura in alluminio tornito. Finiture e misure customizzabili a richiesta. Schermo diffusore in policarbonato trasparente (cod. TR) o opale (cod. OP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a incasso su superficie piana spessore 1 - 33 mm. Alimentazione remota 24 Volt ON/OFF da ordinare separatamente. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminum body and stand. Turned aluminum endcaps. On request customizable dimensions and finishes. Transparent polycarbonate closing diffuser (code TR), or opal (code OP), LED light source. Direct light emission. Recessed fixing system on flat surface thickness 1 - 33 mm. Remote power supply 24 Volt ON/OFF to be ordered separately. On request: dimmable DALI (code DL).

Corps et support en aluminium extrudé. Terminaux de fermeture en aluminium travaillé sur tour. Finitions et dimensions personnalisables sur demande. Écran diffuseur en polycarbonate transparent (cod. TR) ou opale (cod. OP). Source lumineuse LED. Émission directe. Système de fixation à encastrement sur surface plane d'épaisseur 1 à 33 mm. Alimentation déportée 24 volts ON/OFF à commander séparément. Sur demande, dimmable DALI (cod. DL).

Cuerpo y soporte de aluminio extruido. Tapas de aluminio torneado. Acabados y medidas personalizables bajo pedido. Difusor de policarbonato transparente (cod. TR) u opal (cod. OP). Fuente de iluminación LED. Emisión directa. Empotrable en superficie plana de espesor 1 - 33 mm. Alimentación remota de 24V ON/OFF a pedir por separado. Bajo pedido: regulable DALI (cod.DL).



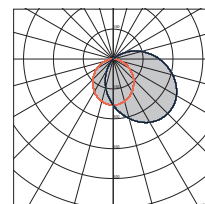
Lumen/m	Watt/m	Lumen Watt Out	Codice Code	L Misura/Size	L1	K	Schermo Diffuser	Alimentazione Power Supply	Colore Colour
1640	14	117	HRMDB	** Custom		WW: 2700 OW: 3000 OX: 3500 ON: 4000	T: Trasparente Trasparent	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>W1:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica ● <b>O4:</b> Crome
2350	19	118	HRMDA	** Custom			O: Opale Opal		

\* I valori riportati in tabella si riferiscono a L = 1000mm  
 \*\* Indicare la lunghezza del profilo in mm  
 \* The values shown in the table refer to L = 1000mm  
 \*\* Indicate the length of the profile in mm



A richiesta | On request

Ottica 60°



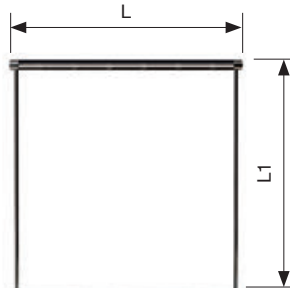
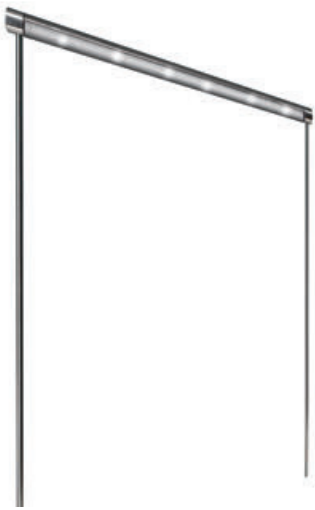
Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)
1	1.1
2	2.2
3	3.3
4	4.4
5	5.5







## MINI DECK R

Illuminazione per vetrina espositiva a ponte.

Lighting for display case.

Éclairage pour vitrine.

Illuminación para vitrina.

Corpo e supporto in alluminio estruso. Terminali di chiusura in alluminio tornito. Finiture e misure customizzabili a richiesta. Schermo diffusore in policarbonato trasparente. Gruppo ottico con microriflettori. Sorgente LED passo 60. Emissione diretta. Sistema di fissaggio a incasso su superficie piana spessore 1 - 33mm. Alimentazione remota ON/OFF. A richiesta dimmerabile DALI (cod. DL).

Extruded aluminum body and stand. Turned aluminum endcaps. On request customizable dimensions and finishes. Transparent polycarbonate closing diffuser. Optic group with microreflectors. LED light source step 60mm. Direct light emission. Recessed fixing system on flat surface thickness 1 - 33mm. Remote power supply ON/OFF. On request: dimmable DALI (code DL).

Corps et support en aluminium extrudé. Terminaux de fermeture en aluminium travaillé sur tour. Finitions et dimensions personnalisables sur demande. Écran diffuseur en polycarbonate transparent. Groupe optique avec micro-réfecteurs. Source LED pas de 60. Émission directe. Système de fixation encastré sur surface plane d'épaisseur 1 à 33 mm. Alimentation déportée ON/OFF. Sur demande, dimmable DALI (cod. DL).

Cuerpo y soporte de aluminio extruido. Tapas de aluminio torneado. Acabados y medidas personalizables bajo pedido. Difusor de policarbonato transparente. Grupo óptico con microreflectores. Fuente LED con paso de 60. Emisión directa. Empotrable en superficie plana de espesor 1 - 33 mm. Alimentación remota ON/OFF. Bajo pedido: regulable DALI (cod.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	L L1 Misura/Size	K	Schermo Diffuser	Alimentazione Power Supply	Colore Colour
1100	10	117	350	HRMDRE	** Custom	NR: Mix 4000 5000	T: Trasparente Trasparent	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>W1:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica ● <b>O4:</b> Crome
2240	20	112	500	HRMDRH		WW: 2700 OW: 3000 OX: 3500 ON: 4000			

\* I valori riportati in tabella si riferiscono a L = 1000mm

\*\* Indicare la lunghezza del profilo in mm

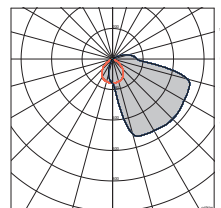
\* The values shown in the table refer to L = 1000mm

\*\* Indicate the length of the profile in mm



A richiesta | On request

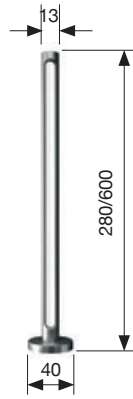
Ottica 74°



H (m)	Ø (m)
1	1.5
2	3.0
3	4.5
4	6.0
5	7.6

Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>98;  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>98;  
Watt: system power  
Tolerance ± 10%



## MINI DECK UP

Illuminazione LED per vetrine espositive 24 Volt.

LED lighting for showcases 24 Volt.

Éclairage LED pour vitrines 24 Volt.

Iluminación LED para vitrinas 24 Volt.

Corpo e supporto in alluminio estruso. Terminali di chiusura in alluminio tornito. Finiture e misure customizzabili a richiesta. Schermo di chiusura in policarbonato trasparente, a richiesta opale (cod. OP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a incasso su superficie piana spessore 1 - 33 mm. Alimentazione remota 24 Volt ON/OFF da ordinare separatamente. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminum body and stand. Turned aluminum endcaps. On request customizable dimensions and finishes. Transparent polycarbonate closing diffuser, on request opal (code OP). LED light source. Direct light emission. Recessed fixing system on flat surface thickness 1 - 33 mm. Remote power supply 24 Volt ON/OFF to be ordered separately. On request: dimmable DALI (code DL).

Corps et support en aluminium extrudé. Terminaux de fermeture en aluminium travaillé sur tour. Finitions et dimensions personnalisables sur demande. Écran de fermeture en polycarbonate transparent, sur demande opale (cod. OP). Source lumineuse LED. Émission directe. Système de fixation encastré sur surface plane d'épaisseur 1 à 33 mm. Alimentation déportée 24 volts ON/OFF à commander séparément. Sur demande, dimmable DALI (cod. DL).

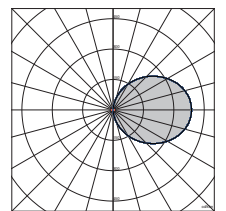
Cuerpo y soporte de aluminio extruido. Tapas de aluminio torneado. Acabados y medidas personalizables bajo pedido. Difusor de policarbonato transparente, opal bajo pedido (cod. OP). Fuente de iluminación LED. Emisión directa. Empotrable en superficie plana de espesor 1 - 33 mm. Alimentación remota de 24V ON/OFF a pedir por separado. Bajo pedido: regulable DALI (cod. DL).



Lumen	Watt	Lumen Watt Out	Codice Code	Altezza mm Height mm	K	Schermo Diffuser	Alimentazione Power Supply	Colore Colour
660	5,5	120	HRMDUA	0280	WW: 2700 OW: 3000	T: Trasparente Trasparent	OF: ON/OFF	Standard: ● <b>WI:</b> White Irazu ● <b>BL:</b> Black Lava
1440	12,0	120	HRMDUA	0600	OX: 3500 ON: 4000	O: Opale Opal	DL: DALI	Su richiesta / On request: ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica ● <b>O4:</b> Crome

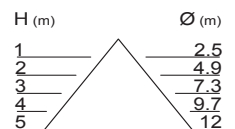


A richiesta | On request



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%



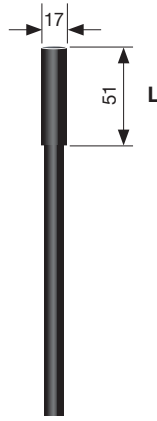












## MINI ARM

Illuminazione LED per vetrine espositive 24 Volt.

LED lighting for showcases 24 Volt.

Éclairage LED pour vitrines 24 Volt.

Illuminación LED para vitrinas 24 Volt.

Corpo e supporto in alluminio estruso. Terminali di chiusura in alluminio tornito. Finiture e misure customizzabili a richiesta. Schermo di chiusura in policarbonato trasparente, a richiesta opale (cod. OP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a incasso su superficie piana spessore 1 – 33 mm. Alimentazione remota 24 Volt ON/OFF da ordinare separatamente. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminum body and stand. Turned aluminum endcaps. On request customizable dimensions and finishes. Transparent polycarbonate closing diffuser, on request opal (code OP). LED light source. Direct light emission. Recessed fixing system on flat surface thickness 1 – 33 mm. Remote power supply 24 Volt ON/OFF to be ordered separately. On request: dimmable DALI (code DL).

Corps et support en aluminium extrudé. Terminaux de fermeture en aluminium travaillé sur tour. Finitions et dimensions personnalisables sur demande. Écran de fermeture en polycarbonate transparent, sur demande opale (cod. OP). Source lumineuse LED. Émission directe. Système de fixation encastré sur surface plane d'épaisseur 1 à 33 mm. Alimentation déportée 24 volts ON/OFF à commander séparément. Sur demande, dimmable DALI (cod. DL).

Cuerpo y soporte de aluminio extruido. Tapas de aluminio torneado. Acabados y medidas personalizables bajo pedido. Difusor de policarbonato transparente, opal bajo pedido (cod. OP). Fuente de iluminación LED. Emisión directa. Empotrable en superficie plana de espesor 1 - 33 mm. Alimentación remota de 24V ON/OFF a pedir por separado. Bajo pedido: regulable DALI (cod. DL).



Lumen	Watt	Lumen Watt Out	Codice Code	L	K	Schermo Diffuser	Alimentazione Power Supply	Colore Colour
*210	*1,75	120	HRMAA**	A richiesta On request	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>T:</b> Trasparente <i>Transparent</i>  <b>O:</b> Opale <i>Opal</i>	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b> <ul style="list-style-type: none"> <li>● <b>WL:</b> White Irazu</li> <li>● <b>BLL:</b> Black Lava</li> </ul> <b>Su richiesta / On request:</b> <ul style="list-style-type: none"> <li>● <b>SB:</b> Silver Bombalai</li> <li>● <b>BL:</b> Bronze Lario</li> <li>● <b>RR:</b> Rust Rame</li> <li>● <b>BF:</b> Beige Futura</li> <li>● <b>GK:</b> Gold Karkar</li> <li>● <b>BT:</b> Blue Telica</li> <li>● <b>O4:</b> Crome</li> </ul>

\* I valori riportati in tabella si riferiscono a L = 51mm

\*\* Indicare la lunghezza del profilo in mm

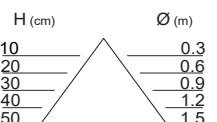
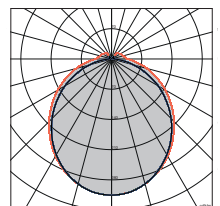
\* The values shown in the table refer to L = 51mm

\*\* Indicate the length of the profile in mm



A richiesta | On request

Ottica 113°



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

LUMALUX P

LUMALUX I

LUMALUX A

Sistema LED lineare 48 Volt.

*LED linear system 48 Volt.*

*Système linéaire LED 48 Volt.*

*Sistema lineal LED 48 Volt.*



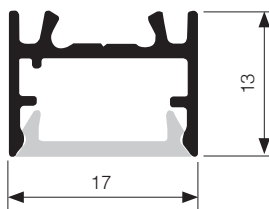
#### **SISTEMI LED LINEARI 48 VOLT**

*LED LINEAR SYSTEM 48 VOLT*  
*SYSTÈME LINÉAIRE LED 48 VOLT*  
*SISTEMA LINEAL LED 48 VOLT*









\*Lunghezza / Length  
Longueur / Longitud

595mm  
1195mm  
1795mm

## LUMALUX P

### SCHERMO/DIFFUSER TP

Sistema LED lineare 48 Volt a plafone o incasso trimless.

Ceiling or trimless recessed LED linear system 48 Volt.

Système linéaire LED encastré ou trimless au plafond 48 Volt.

Sistema lineal LED empotrado en techo o sin marco, 48 Volt.

Corpo in estruso di alluminio anodizzato. Gruppo ottico in policarbonato trasparente con microriflettore. Fornito completo di cavo di alimentazione. Sorgente luminosa LED passo 60mm. Emissione diretta. Fissaggio a plafone o incasso trimless. Alimentazione 48 Volt ON/OFF esterna. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Extruded anodized aluminum body. Optical group in transparent polycarbonate with micro-reflector. Complete with power supply. LED light source 60mm pitch. Direct light emission. Ceiling mounting system or trimless recessed. Separate electronic driver 48 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium anodisé extrudé. Groupe optique en polycarbonate transparent avec micro-réflecteur. Livré avec câble d'alimentation. Source lumineuse LED pas de 60 mm. Emission directe. Fixation en plafonnier ou encastrée trimless. Alimentation externe 48 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio anodizado extruido. Grupo óptico de policarbonato transparente con microrefletores. Cable de alimentación incluido. Fuente de iluminación LED con paso de 60 mm. Emisión directa. Fijación a techo o empotrada trimless. Alimentación externa de 48 V ON/OFF. Bajo pedido: regulable DALI (cod.DL). Fuente de alimentación no incluida, a pedir por separado.

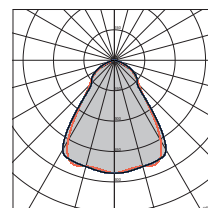


Lumen	Watt	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Lenght mm	K	Alimentazione Power Supply	Colore Colour
1020	8,7	118	48	HRLLPZ	*0595	NR:	OF: ON/OFF DL: DALI	<b>Standard:</b> ● 46: Anodized  <b>Su richiesta /On request:</b> ● WI: White Irazu ● BL: Black Lava ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica ● 04: Crome
2050	17,3	118	48	HRLLPZ	*1195	Mix		
3080	26	118	48	HRLLPZ	*1795	4000 k 5000 k		



A richiesta | On request

Ottica 74°

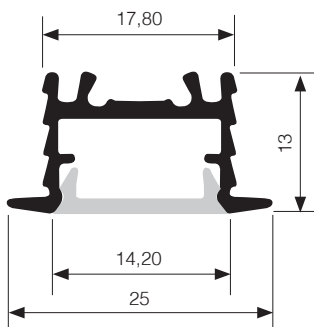


Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>98.  
8Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>98.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)
1	1.5
2	3.0
3	4.5
4	6.0
5	7.6





\*Lunghezza / Length  
Longueur / Longitud

595mm  
1195mm  
1795mm

# LUMALUX I

## SCHERMO/DIFFUSER TP

Sistema LED lineare a incasso 48 Volt.  
Recessed LED linear system 48 Volt.  
Système linéaire LED encastré 48 Volt.  
Sistema lineal LED empotrado, 48 Voltios.

Corpo in estruso di alluminio anodizzato. Gruppo ottico in policarbonato trasparente con microriflettori. Fornito completo di cavo di alimentazione. Sorgente luminosa LED passo 60mm. Emissione diretta. Fissaggio o incasso. Alimentazione 48 Volt ON/OFF esterna. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Extruded anodized aluminum body. Optical group in transparent polycarbonate with micro-reflector. Complete with power supply. LED light source 60mm pitch. Direct light emission. Recessed mounting system. Separate electronic driver 48 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium anodisé extrudé. Groupe optique en polycarbonate transparent avec micro-réflecteur. Livré avec câble d'alimentation. Source lumineuse LED pas de 60 mm. Emission directe. Fixation encastrée. Alimentation externe 48 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio anodizado extruido. Grupo óptico de policarbonato transparente con microreflectores. Cable de alimentación incluido. Fuente de iluminación LED con paso de 60 mm. Emisión directa. Fijación empotrada. Alimentación externa de 48 V ON/OFF. Bajo pedido: regulable DALI (cod.DL). Fuente de alimentación no incluida, a pedir por separado.

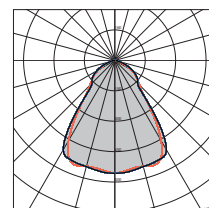


Lumen	Watt	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Length mm	K	Alimentazione Power Supply	Colore Colour
1020	8,7	118	48	HRL Liz	*0595	NR:	OF: ON/OFF DL: DALI	<b>Standard:</b> ● 46: Anodized  <b>Su richiesta / On request:</b> ● WI: White Irazu ● BLL: Black Lava ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica ● 04: Crome
2050	17,3	118	48	HRL Liz	*1195	Mix		
3080	26	118	48	HRL Liz	*1795	4000 k 5000 k		



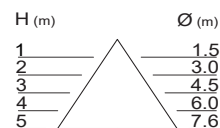
A richiesta | On request

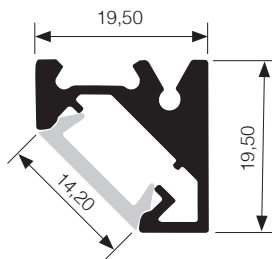
Ottica 74°



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>98.  
8Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>98.  
Watt: system power  
Tolerance ± 10%





\*Lunghezza / Length  
Longueur / Longitud

595mm  
1195mm  
1795mm

# LUMALUX A

## SCHERMO/DIFFUSER TP

Sistema LED angolare 48 Volt.  
Angular LED linear system 48 Volt.  
Système linéaire LED angulaire 48 Volt.  
Sistema lineal LED angular, 48 Voltios.

Corpo in estruso di alluminio anodizzato. Gruppo ottico in policarbonato trasparente con microriflettore. Fornito completo di cavo di alimentazione. Sorgente luminosa LED passo 60mm. Emissione diretta. Fissaggio a superficie. Alimentazione 48 Volt ON/OFF esterna. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Extruded anodized aluminum body. Optical group in transparent polycarbonate with micro-reflector. Complete with power supply. LED light source 60mm pitch. Direct light emission. Surface mounting system. Separate electronic driver 48 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium anodisé extrudé. Groupe optique en polycarbonate transparent avec micro-réflecteur. Livré avec câble d'alimentation. Source lumineuse LED pas de 60 mm. Emission directe. Fixation en surface. Alimentation externe 48 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio anodizado extruido. Grupo óptico de policarbonato transparente con microreflectores. Cable de alimentación incluido. Fuente de iluminación LED con paso de 60 mm. Emisión directa. Fijación a superficie. Alimentación externa de 48 V ON/OFF. Bajo pedido: regulable DALI (cod. DL). Fuente de alimentación no incluida, a pedir por separado.

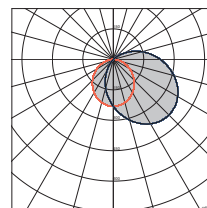


Lumen	Watt	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Length mm	K	Alimentazione Power Supply	Colore Colour
1020	8,7	118	48	HRLLAZ	*0595	NR:	OF: ON/OFF DL: DALI	<b>Standard:</b> ● 46: Anodized  <b>Su richiesta / On request:</b> ● WI: White Irazu ● BLL: Black Lava ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica ● 04: Crome
2050	17,3	118	48	HRLLAZ	*1195	Mix		
3080	26	118	48	HRLLAZ	*1795	4000 k 5000 k		



A richiesta | On request

Ottica 101°



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>98.  
8Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>98.  
Watt: system power  
Tolerance ± 10%

H (cm)	Ø (m)
10	0.5
20	1.0
30	1.6
40	2.1
50	2.7

LUMA CIRCO

LUMALUX P OP

LUMALUX I OP

LUMALUX A OP

LUMALUX E OP

LUMALUX B OP

LUMA IN 03

LIGHT BOX

BEBA FLOOR

Illuminazione per vetrina espositiva misure personalizzabili.

*Lighting for display case customizable dimension.*

*Éclairage pour vitrine de dimensions personnalisables.*

*Iluminación para vitrina de dimensiones personalizables.*

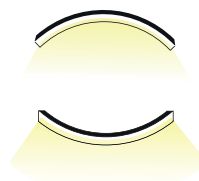
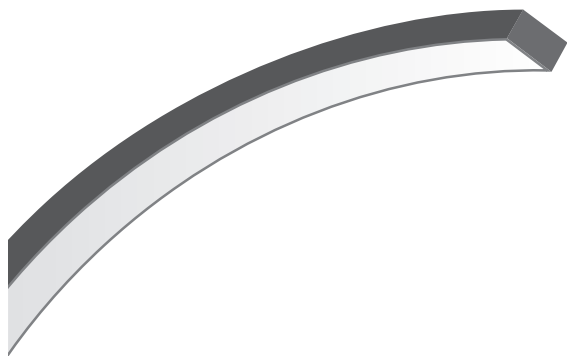


#### SISTEMI LED LINEARI

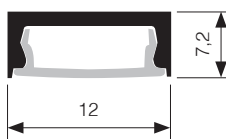
LINEAR LED SYSTEM  
SYSTEMES LED LINEAIRES  
SISTEMAS LED LINEARES







**VERSIONE I-E**  
Calandratura laterale da R 100mm  
Lateral calendering from R 100mm



**VERSIONE F**  
Calandratura fronte da R 250mm  
luce diretta  
Front calendering from R 250mm  
direct light

# LUMA CIRCO

## SCHERMO/DIFFUSER OP

Sistema LED lineare o calandrato 24 Volt.  
LED linear or calendered system 24 Volt.  
Système linéaire LED ou système calandré 24 Volt.  
Sistema lineal LED o calandrado, 24 Voltios.

Corpo in estruso di alluminio anodizzato lineare o calandrato, customizzabile. Ottica opale (codice OP). Fornito completo di cavo di alimentazione. Sorgente luminosa LED. Emissione diretta. Fissaggio a superficie. Alimentazione 24 volt esterna ON/OFF. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Customizable linear or calendered extruded anodized aluminum body. Opal polycarbonate louver (code OP). Complete with power supply cable. LED light source. Direct light emission. Surface mounting system. Separate electronic driver 24 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium anodisé extrudé linéaire ou calandré, personnalisable. Optique opale (code OP). Livré avec câble d'alimentation. Source lumineuse LED. Emission directe. Fixation en surface. Alimentation externe 24 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio anodizado extruido lineal o calandrado, personalizable. Óptica opal (cod. OP). Cable de alimentación incluido. Fuente de iluminación LED. Emisión directa. Fijación en superficie. Alimentación externa de 24V ON/OFF. Bajo pedido: regulable DALI (cod.DL). Fuente de alimentación no incluida, a pedir por separado.

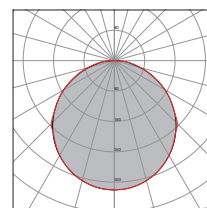


Lumen/m	Watt/m	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Length mm	K	Alimentazione Power Supply	Colore Colour
*1640	*14	117	24	HRLCIB**	** Custom	WW: 2700 OW: 3000 OX: 3500 ON: 4000	OF: ON/OFF DL: DALI	<b>Standard:</b> ● 46: Anodized  <b>Su richiesta /On request:</b> ● WI: White Irazu ● BLL: Black Lava ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica ● 04: Crome
*1640	*14	117	24	HRLCEB**				
*1640	*14	117	24	HRLCFB**				
*I valori riportati in tabella si riferiscono a 1000mm								



A richiesta | On request

Ottica OP 112°

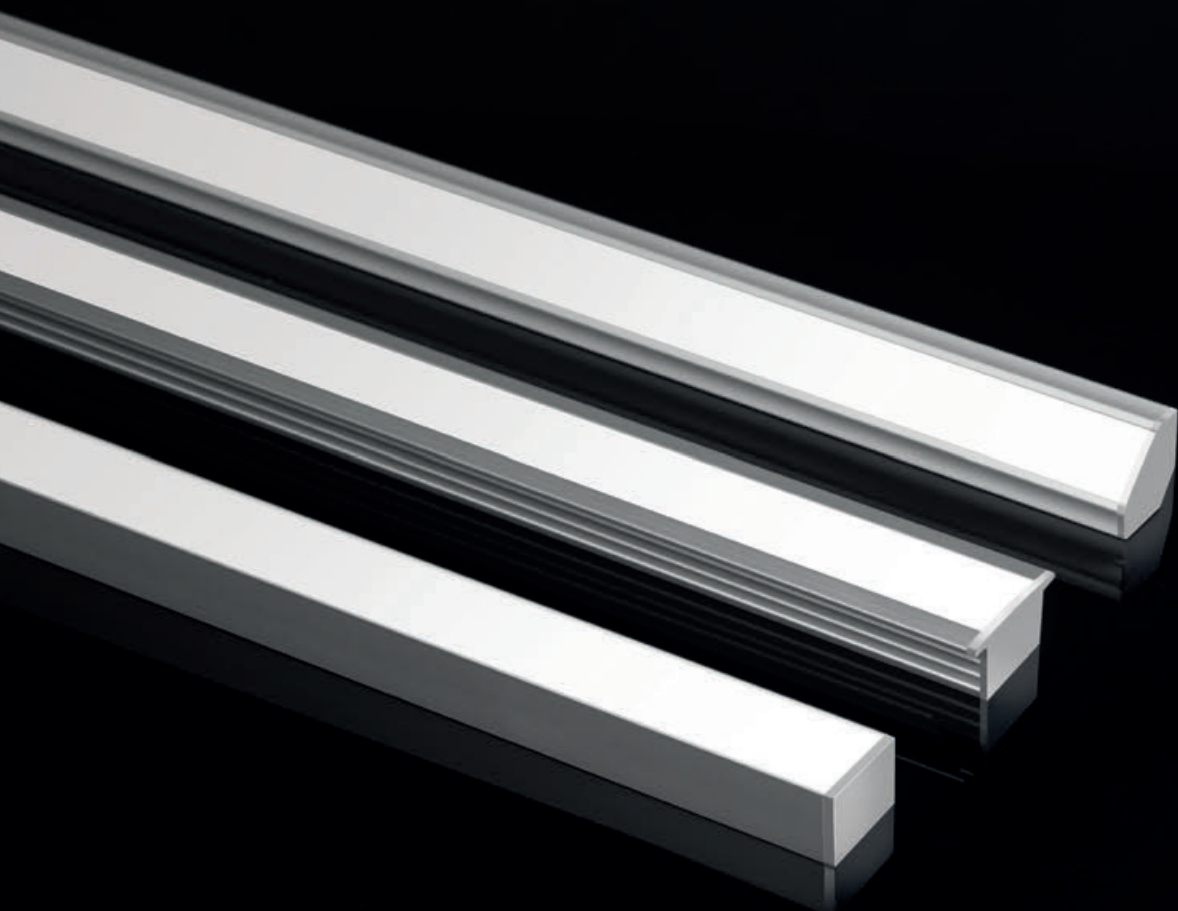


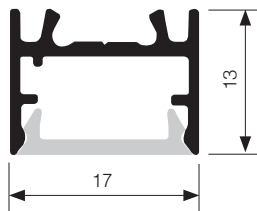
Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%









# LUMALUX P OP

## SCHERMO/DIFFUSER OP

Sistema LED lineare 24 Volt.  
LED linear system 24 Volt.  
Système linéaire LED 24 Volt.  
Sistema lineal LED, 24 Voltios.

Corpo in estruso di alluminio anodizzato completo di testata di chiusura e clip di fissaggio. Ottica in policarbonato opale. Fornito completo di cavo di alimentazione. Sorgente luminosa LED. Emissione diretta. Fissaggio a superficie. Alimentazione 24 volt esterna ON/OFF. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Extruded anodized aluminum body complete with endcap and fixing clips. Opal polycarbonate optic. Complete with power supply, LED light source. Direct light emission. Surface mounting system. Separate electronic driver 24 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium anodisé extrudé avec embout de fermeture et clips de fixation. Optique en polycarbonate opale. Livré avec câble d'alimentation. Source lumineuse LED. Emission directe. Fixation en surface. Alimentation externe 24 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio anodizado extruido con tapas y clip de fijación. Óptica de policarbonato opal. Cable de alimentación incluido. Fuente de iluminación LED. Emisión directa. Fijación en superficie. Alimentación externa de 24V ON/OFF. Bajo pedido: regulable DALI (cod.DL). Fuente de alimentación no incluida, a pedir por separado.



Lumen/m	Watt/m	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Lenght mm	K	Alimentazione Power Supply	Colore Colour
*1640	*14	117	24	HRLPOB**	** Custom	WW: 2700 OW:3000 OX:3500 ON:4000	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>46:</b> Anodized  <b>Su richiesta / On request:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica ● <b>O4:</b> Crome
*2350	*19	118	24	HRLPOA**				

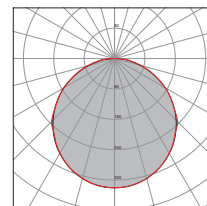
\* I valori riportati in tabella si riferiscono a L = 1000mm  
\*\* Indicare la lunghezza del profilo in mm

\* The values shown in the table refer to L = 1000mm  
\*\* Indicate the length of the profile in mm



A richiesta | On request

Ottica OP 112°

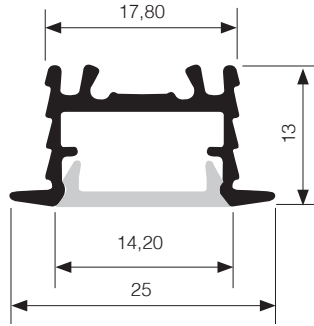


Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%







# LUMALUX I OP

## SCHERMO/DIFFUSER OP

Sistema LED lineare a incasso 24 Volt.  
 Recessed LED linear system 24 Volt.  
 Système linéaire LED encastré 24 Volt.  
 Sistema lineal LED empotrado, 24 Voltios.

Corpo in estruso di alluminio anodizzato completo di testata di chiusura e clip di fissaggio. Fissaggio molla a doppia torsione (cod. MDTI) da ordinare separatamente. Ottica in policarbonato opale. Fornito completo di cavo di alimentazione. Sorgente luminosa LED. Emissione diretta. Fissaggio a incasso. Alimentazione 24 volt esterna ON/OFF. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Extruded anodized aluminum body complete with endcap and fixing clips. Double torsion spring fixing (cod. MDTI) to be ordered separately. Opal polycarbonate optic. Complete with power supply. LED light source. Direct light emission. Recessed mounting system. Separate electronic driver 24 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium anodisé extrudé avec embout de fermeture et clips de fixation. Fixation par ressort à double torsion (cod. MDTI) à commander séparément. Optique en polycarbonate opale. Livré avec câble d'alimentation. Source lumineuse LED. Émission directe. Fixation encastrée. Alimentation externe 24 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio anodizado extruido con tapas y clip de fijación. Fijación mediante resorte de doble torsión (cod. MDTI) a pedir por separado. Óptica de policarbonato opal. Cable de alimentación incluido. Fuente de iluminación LED. Emisión directa. Fijación empotrada. Alimentación externa de 24V ON/OFF. Bajo pedido: regulable DALI (cod. DL). Fuente de alimentación no incluida, a pedir por separado.



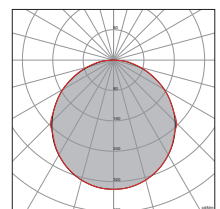
Lumen/m	Watt/m	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Length mm	K	Alimentazione Power Supply	Colore Colour
*1640	*14	117	24	HRLIOB**	** Custom	WW: 2700 OW:3000 OX:3500 ON:4000	OF: ON/OFF DL: DALI	<b>Standard:</b> ● 46: Anodized  <b>Su richiesta / On request:</b> ● WI: White Irazu ● BLL: Black Lava ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica ● 04: Crome
*2350	*19	118	24	HRLIOA**				

\* I valori riportati in tabella si riferiscono a L = 1000mm  
 \*\* Indicare la lunghezza del profilo in mm  
 \* The values shown in the table refer to L = 1000mm  
 \*\* Indicate the length of the profile in mm



A richiesta | On request

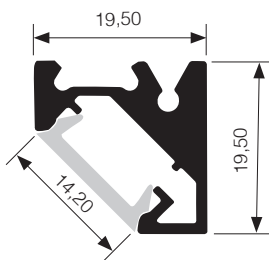
Ottica OP 112°



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%





# LUMALUX A OP

## SCHERMO/DIFFUSER OP

Sistema LED lineare angolare 24 Volt.  
 Angular LED linear system 24 Volt.  
 Système linéaire LED angulaire 24 Volt.  
 Sistema lineal LED angular, 24 Voltios.

Corpo in estruso di alluminio anodizzato angolare completo di testata di chiusura e clip di fissaggio. Ottica in policarbonato opale. Fornito completo di cavo di alimentazione. Sorgente luminosa LED. Emissione diretta. Fissaggio a superficie. Alimentazione 24 volt esterna ON/OFF. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Extruded anodized aluminum angular body complete with endcap and fixing clips. Opal polycarbonate optic. Complete with power supply, LED light source. Direct light emission. Surface mounting system. Separate electronic driver 24 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium anodisé extrudé angulaire avec embout de fermeture et clips de fixation. Optique en polycarbonate opale. Livré avec câble d'alimentation. Source lumineuse LED. Emission directe. Fixation en surface. Alimentation externe 24 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio anodizado extruido angular con tapas y clip de fijación. Óptica de policarbonato opal. Cable de alimentación incluido. Fuente de iluminación LED. Emisión directa. Fijación en superficie. Alimentación externa de 24V ON/OFF. Bajo pedido: regulable DALI (cod.DL). Fuente de alimentación no incluida, a pedir por separado.

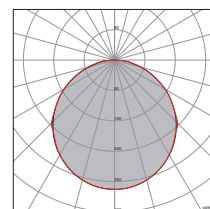


Lumen/m	Watt/m	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Length mm	K	Alimentazione Power Supply	Colore Colour
*1640	*14	117	24	<b>HRLAOB**</b>	<b>** Custom</b>	<b>WW: 2700</b> <b>OW:3000</b> <b>OX:3500</b> <b>ON:4000</b>	<b>OF: ON/OFF</b> <b>DL: DALI</b>	<b>Standard:</b> ● <b>46:</b> Anodized  <b>Su richiesta /On request:</b> ● <b>W1:</b> White Irazu ● <b>BLL:</b> Black Lava ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica ● <b>O4:</b> Crome
*2350	*19	118	24	<b>HRLAOA**</b>				
* I valori riportati in tabella si riferiscono a L =1000mm ** Indicare la lunghezza del profilo in mm  * The values shown in the table refer to L =1000mm ** Indicate the length of the profile in mm								



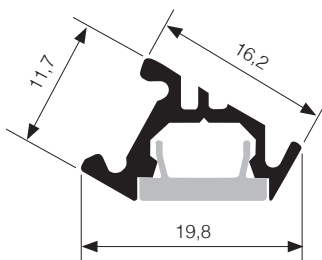
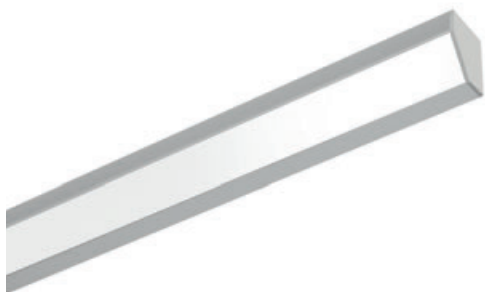
A richiesta | On request

Ottica OP 112°



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%



# LUMALUX E OP

## SCHERMO/DIFFUSER OP

Sistema LED lineare angolare 24 Volt.  
 Angular LED linear system 24 Volt.  
 Système linéaire LED angulaire 24 Volt.  
 Sistema lineal LED angular, 24 Voltios.

Corpo in estruso di alluminio anodizzato completo di testata di chiusura e clip di fissaggio. Ottica in policarbonato opale. Fornito completo di cavo di alimentazione. Sorgente luminosa LED. Emissione diretta. Fissaggio a superficie. Alimentazione 24 volt esterna ON/OFF. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Extruded anodized aluminum body complete with endcap and fixing clips. Opal polycarbonate optic. Complete with power supply, LED light source. Direct light emission. Surface mounting system. Separate electronic driver 24 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium anodisé extrudé avec embout de fermeture et clips de fixation. Optique en polycarbonate opale. Livré avec câble d'alimentation. Source lumineuse LED. Emission directe. Fixation en surface. Alimentation externe 24 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio anodizado extruido con tapas y clip de fijación. Óptica de policarbonato opal. Cable de alimentación incluido. Fuente de iluminación LED. Emisión directa. Fijación en superficie. Alimentación externa de 24V ON/OFF. Bajo pedido: regulable DALI (cod.DL). Fuente de alimentación no incluida, a pedir por separado.

3Y WARRANTY  
5% FAILURE RATE
30.000 h  
LED LIFETIME L90B10
60.000 h  
LED LIFETIME L70B50
RIPPLE  
FREE

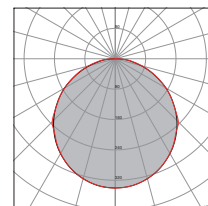
Lumen/m	Watt/m	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Length mm	K	Alimentazione Power Supply	Colore Colour
*1640	*14	117	24	HRLEOB**	** Custom	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b> ● <b>46:</b> Anodized  <b>Su richiesta / On request:</b> ● <b>W1:</b> White Irazu ● <b>BLL:</b> Black Lava ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica ● <b>O4:</b> Crome

\* I valori riportati in tabella si riferiscono a L = 1000mm  
 \*\* Indicare la lunghezza del profilo in mm  
 \* The values shown in the table refer to L = 1000mm  
 \*\* Indicate the length of the profile in mm

CE
IP44
>90  
CRI
3SDCM
IP44  
EN 60529
IK 07  
EN 60068
24 V  
2014/250/EU
850°  
EN 60695
ATT  
EN 62471
RG 0  
EN 62471
DL  
DALI

A richiesta | On request

Ottica OP 112°

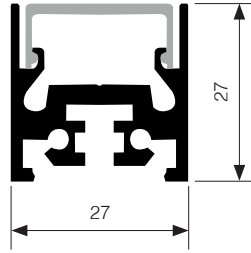
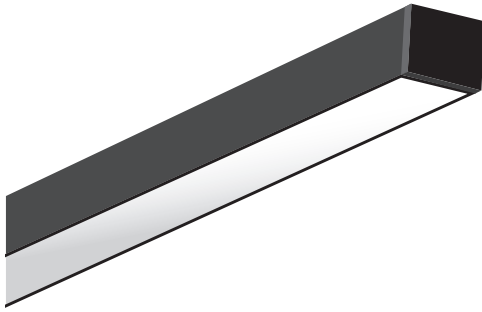


Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%







# LUMALUX B OP

## SCHERMO/DIFFUSER OP

Sistema LED lineare 24 Volt.  
LED linear system 24 Volt.  
Système linéaire LED 24 Volt.  
Sistema lineal LED, 24 Volt.

Corpo in estruso di alluminio anodizzato completo di testata di chiusura e clip di fissaggio. Ottica in policarbonato opale. Fornito completo di cavo di alimentazione. Sorgente luminosa LED. Emissione diretta. Fissaggio a superficie. Alimentazione 24 volt esterna ON/OFF. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Extruded anodized aluminum body complete with endcap and fixing clips. Opal polycarbonate optic. Complete with power supply, LED light source. Direct light emission. Surface mounting system. Separate electronic driver 24 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium anodisé extrudé avec embout de fermeture et clips de fixation. Optique en polycarbonate opale. Livré avec câble d'alimentation. Source lumineuse LED. Emission directe. Fixation en surface. Alimentation externe 24 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio anodizado extruido con tapas y clip de fijación. Óptica de policarbonato opal. Cable de alimentación incluido. Fuente de iluminación LED. Emisión directa. Fijación en superficie. Alimentación externa de 24V ON/OFF. Bajo pedido: regulable DALI (cod.DL). Fuente de alimentación no incluida, a pedir por separado.

3Y WARRANTY  
5% FAILURE RATE
30.000 h  
LED LIFETIME L90B10
60.000 h  
LED LIFETIME L70B50
RIPPLE  
FREE

Lumen/m	Watt/m	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Length mm	K	Alimentazione Power Supply	Colore Colour
*1640	*14	117	24	HRLBOB**	** Custom	WW: 2700 OW:3000 OX:3500 ON:4000	OF: ON/OFF DL: DALI	<b>Standard:</b> <span style="color: grey;">●</span> 46: Anodized  <b>Su richiesta /On request:</b> <span style="color: lightgrey;">●</span> W1: White Irazu <span style="color: black;">●</span> BLL: Black Lava <span style="color: grey;">●</span> SB: Silver Bombalai <span style="color: orange;">●</span> BL: Bronze Lario <span style="color: brown;">●</span> RR: Rust Rame <span style="color: tan;">●</span> BF: Beige Futura <span style="color: gold;">●</span> GK: Gold Karkar <span style="color: blue;">●</span> BT: Blue Telica <span style="color: darkgrey;">●</span> O4: Crome
*2350	*19	118	24	HRLBOA**				

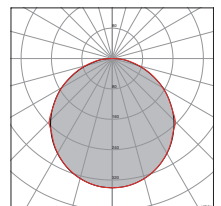
\* I valori riportati in tabella si riferiscono a L = 1000mm  
\*\* Indicare la lunghezza del profilo in mm

\* The values shown in the table refer to L = 1000mm  
\*\* Indicate the length of the profile in mm



A richiesta | On request

Ottica OP 112°



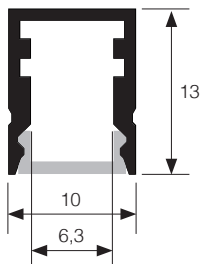
Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%









# LUMA IN 03

## SCHERMO/DIFFUSER OP

Sistema LED lineare 24 Volt.  
LED linear system 24 Volt.  
Système linéaire LED 24 Volt.  
Sistema lineal LED, 24 Voltios.

Corpo in estruso di alluminio anodizzato lineare, customizzabile, completo di testata di chiusura e clip di fissaggio. Ottica opale (cod. OP). Fornito completo di cavo di alimentazione. Sorgente luminosa LED. Emissione diretta. Fissaggio a superficie. Alimentazione 24 volt esterna ON/OFF. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Customizable linear extruded anodized aluminum body complete with endcap and fixing clips. Opal optic (code OP). Complete with power supply. LED light source. Direct light emission. Surface mounting system. Separate electronic driver 24 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium anodisé extrudé linéaire, personnalisable, avec embout de fermeture et clips de fixation. Optique opale (cod. OP). Livré avec câble d'alimentation. Source lumineuse LED. Emission directe. Fixation en surface. Alimentation externe 24 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio anodizado extruido lineal, personalizable, con tapas y clip de fijación. Óptica opal (cod. OP). Cable de alimentación incluido. Fuente de iluminación LED. Emisión directa. Fijación en superficie. Alimentación externa de 24V ON/OFF. Bajo pedido: regulable DALI (cod.DL). Fuente de alimentación no incluida, a pedir por separado.



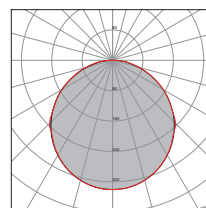
Lumen/m	Watt/m	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Lenght mm	K	Alimentazione Power Supply	Colore Colour
*1640	*14	117	24	<b>HRLI03B**</b>	<b>** Custom</b>	<b>WW: 2700</b> <b>OW: 3000</b> <b>OX: 3500</b> <b>ON: 4000</b>	<b>OF: ON/OFF</b> <b>DL: DALI</b>	● <b>46: Anodizzato</b> <i>Anodized</i>

\*I valori riportati in tabella si riferiscono a 1000mm



A richiesta | On request

Ottica OP 112°



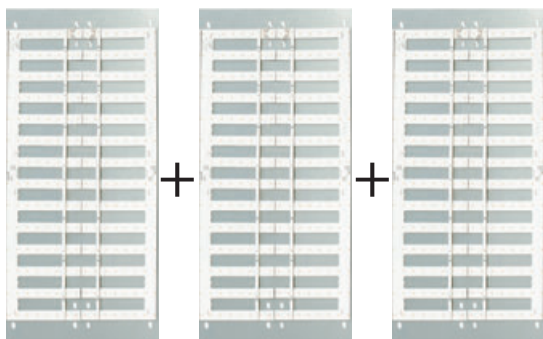
Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%









## LIGHT BOX

Illuminazione per vetrina espositiva misure personalizzabili.

Lighting for display case customizable dimension.

Éclairage pour vitrine de dimensions personnalisables.

Iluminación para vitrina de dimensiones personalizables.

Corpo in lamiera zincata. Sistema di fissaggio a mezzo viti. Sorgente luminosa LED. Emissione diretta. Non idonea per applicazione esterna. Alimentazione elettronica ON/OFF. A richiesta dimmerabile DALI (cod. DL).

Galvanized sheet body. Fixing mounting system with screws. LED light source. Direct light emission. Not suitable for outdoor use. Electronic driver ON/OFF. On request dimmable DALI (code DL).

Corps en tôle galvanisée. Système de fixation par vis. Source lumineuse LED. Émission directe. Non adapté à une application extérieure. Alimentation électronique ON/OFF. Sur demande dimmable DALI (cod. DL).

Cuerpo de chapa de acero galvanizado. Sistema de fijación con tornillos. Fuente de iluminación LED. Emisión directa. No apto para aplicaciones exteriores. Alimentación electrónica ON/OFF. Bajo pedido: regulable DALI (cod.DL).



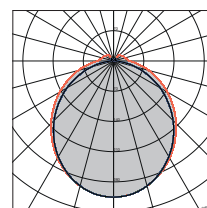
Lumen/m <sup>2</sup>	Watt/m <sup>2</sup>	Lumen Watt Out	Codice Code	Lunghezza mm Lenght mm	K	Alimentazione Power Supply	Colore Colour
*5658	*30	189	HRLB**	** Custom	WW: 2700 OW:3000 OX:3500 ON:4000	OF: ON/OFF DL: DALI	● 46: Anodizzato Anodized

\*I valori riportati in tabella si riferiscono a 1 m<sup>2</sup>



A richiesta | On request

Ottica 113°

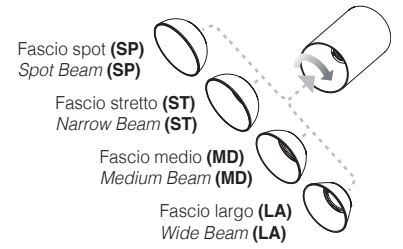
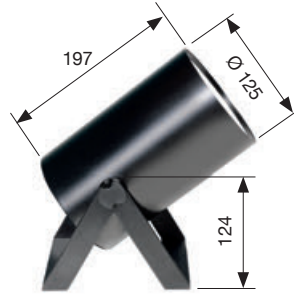


Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%







Nota/Note  
Ottiche intercambiabili senza ausilio di utensili  
Exchangeable optics without using of tools

# BEBA FLOOR

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Proiettore LED mobile con ottiche intercambiabili.  
Mobile LED projector with interchangeable optics.  
Projecteur portable LED avec optiques interchangeables.  
Proyector LED móvil con ópticas intercambiables.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in policarbonato metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio con staffa mobile, con alimentazione integrata ON/OFF. Fornito con 2m di cavo di alimentazione. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminium body painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Metallized polycarbonate louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Mobile bracket fixing system with integrated ON/OFF power supply. Complete with power supply cable 2m length. On request: dimmable DALI (code DL).

Corps en aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur en aluminium extrudé. Optique en polycarbonate métallisé, faisceau large (cod. LA), faisceau moyen (cod. MD), faisceau étroit (cod. ST), faisceau spot (cod. SP). Source lumineuse LED. Émission directe. Système de fixation avec support mobile et alimentation intégrée ON/OFF. Fourni avec 2 mètres de câble d'alimentation. Sur demande dimmable DALI (cod. DL).

Cuerpo de aluminio extruido barnizado con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de policarbonato metalizado de haz amplio (cod. LA), haz medio (cod. MD), haz estrecho (cod. ST), haz spot (cod. SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación con soporte móvil con alimentación integrada ON/OFF. 2 metros de cable de alimentación incluidos. Bajo pedido: regulable DALI (cod.DL).

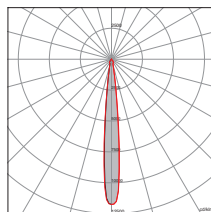
5Y WARRANTY 5% FAILURE RATE | 60.000 h LED LIFETIME L90B10 | 100.000 h LED LIFETIME L70B50 | RIPPLE FREE

Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
2550	22	116	600	HRBAFL	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam	OF: ON/OFF  DL: DALI	<b>Standard:</b> ● WI: White Irazu ● BLL: Black Lava <b>Su richiesta / On request:</b> ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica
2950	26	114	700	HRBAFN		ST: fascio stretto narrow beam		
3350	30	112	800	HRBAFP		MD: fascio medio medium beam LA: fascio largo wide beam		

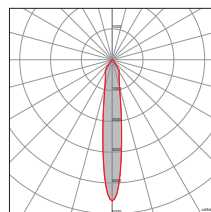
CE | >90 CRI | 3SDCM | IP20 EN 60529 | IK 07 EN 60068 | 230 V 50/60 Hz | 850° EN 60995 | DALI | DIM W | IP44 EN 60598

A richiesta | On request

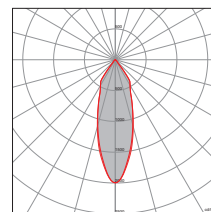
Ottica SP 10°



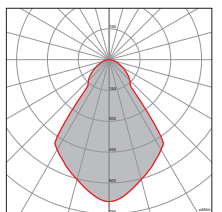
Ottica ST 30°



Ottica MD 45°



Ottica LA 70°



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.2	1	0.5	1	0.8	1	1.4
2	0.3	2	1.0	2	1.6	2	2.8
3	0.5	3	1.6	3	2.5	3	4.2
4	0.7	4	2.1	4	3.3	4	5.6
5	0.8	5	2.7	5	4.2	5	7.0

## MUSE TORCIA UP

## MUSE TORCIA DOWN

Apparecchio decorativo LED per il retail con alimentatore remoto.

*LED decorative lighting fitting for retail with remote driver.*

*Luminaire LED décoratif pour le commerce avec driver déportée.*

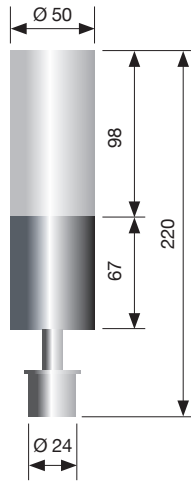
*Luminaria decorativa LED para Retail con driver remoto.*

## APPARECCHI DECORATIVI

*DECORATIVE LIGHTING  
LUMINAIRE DÉCORATIF  
LUMINARIA DECORATIVA*







# MUSE TORCIA UP

OPALE/OPAL/OPALE/OPAL

Apparecchio decorativo LED con luce diffusa.  
LED decorative lighting fitting with widespread light.  
Luminaire LED décoratif avec éclairage diffusé.  
Accesorio de iluminación decorativa LED con luz difusa.

Corpo in alluminio tornito verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Diffusore in policarbonato opale. Sorgente luminosa LED. Emissione diffusa. Completo di supporto per fissaggio torcia, customizzabile a richiesta. Alimentatore remoto incluso ON/OFF. A richiesta: dimmerabile DALI (cod. DL):

Turned aluminium body painted with polystere powders after washing with demineralised water. Polycarbonate opal diffuser. LED light source. Widespread light emission. Complete with torch fixing support, customizable on request. Remote driver ON/OFF included. On request: dimmable DALI (code DL).

Corps en aluminium travaillé sur tour peint par poudrage polyester après rinçage en eau déminéralisée. Diffuseur en polycarbonate opale. Source lumineuse LED. Émission diffuse. Livré avec support de fixation de la torche, personnalisable sur demande. Alimentation fournie déportée ON/OFF. Sur demande dimmable DALI (cod. DL).

Cuerpo de aluminio torneado barnizado con polvo de poliéster previamente lavado con agua desmineralizada. Difusor de policarbonato opal. Fuente de iluminación LED. Emisión difusa. Soporte de fijación para lámpara incluido, personalizable bajo pedido. Alimentación remota incluida ON/OFF. Bajo pedido: regulable DALI (cod.DL).

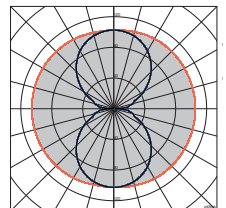


Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Alimentazione Power Supply	Colore Colour
1550	13	119	350	HRMTOCE	WW: 2700 OW: 3000 OX: 3500 ON: 4000	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica



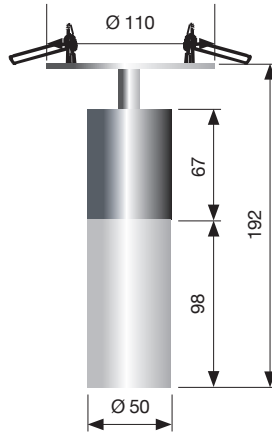
A richiesta | On request

Ottica OP 112°



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%



# MUSE TORCIA DOWN

OPALE/OPAL/OPALE/OPAL

Apparecchio decorativo LED con luce diffusa.  
LED decorative lighting fitting with widespread light.  
Luminaire LED décoratif avec éclairage diffusé.  
Accesorio de iluminación decorativa LED con luz difusa.

Corpo in alluminio tornito verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Diffusore in policarbonato opale. Sorgente luminosa LED. Emissione diffusa. Sistema di fissaggio ad incasso. Alimentatore remoto incluso ON/OFF. A richiesta: dimmerabile DALI (cod. DL):

Turned aluminium body painted with poliestere powders after washing with demineralised water. Polycarbonate opal diffuser. LED light source. Widespread light emission. Recessed mounting system. Remote driver ON/OFF included. On request: dimmable DALI (code DL).

Corps en aluminium travaillé sur tour peint par poudrage polyester après rinçage en eau déminéralisée. Diffuseur en polycarbonate opale. Source lumineuse LED. Émission diffuse. Système de fixation à encastrement. Alimentation déportée fournie ON/OFF. Sur demande : dimmable DALI (cod. DL).

Cuerpo de aluminio torneado barnizado con polvo de poliéster previamente lavado con agua desmineralizada. Difusor de policarbonato opal. Fuente de iluminación LED. Emisión difusa. Empotrable. Alimentación remota incluida ON/OFF. Bajo pedido: regulable DALI (cod.DL).

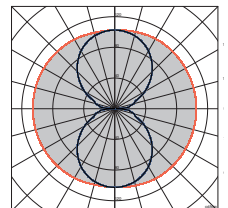


Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Alimentazione Power Supply	Colore Colour
1550	13	119	350	HRMTODE	WW: 2700 OW: 3000 OX: 3500 ON: 4000	OF: ON/OFF DL: DALI	<b>Standard:</b> <ul style="list-style-type: none"> <li>● <b>WI:</b> White Irazu</li> <li>● <b>BLL:</b> Black Lava</li> </ul> <b>Su richiesta /On request:</b> <ul style="list-style-type: none"> <li>● <b>SB:</b> Silver Bombalai</li> <li>● <b>BL:</b> Bronze Lario</li> <li>● <b>RR:</b> Rust Rame</li> <li>● <b>BF:</b> Beige Futura</li> <li>● <b>GK:</b> Gold Karkar</li> <li>● <b>BT:</b> Blue Telica</li> </ul>



A richiesta | On request

Ottica OP 112°



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%



**MUSE TEER**

**MUSE TEER OP**

**MUSE 75**

**SNOPY FASHION**

**MUSE 54 IN**

**MUSE 56 IN**

**SNOPY UP1**

**SNOPY UP2**

**SNOPY UP3**

**MINI ALL 4 CUT/OFF UP**

**MINI ALL 7 CUT/OFF UP**

**MINI ALL 14 CUT/OFF UP**

**MIDI MAG**

Proiettori LED per il retail.

*LED projectors for retail.*

*Projecteurs LED pour le commerce.*

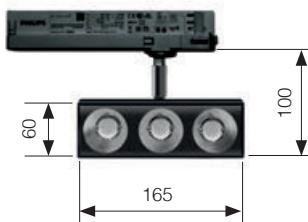
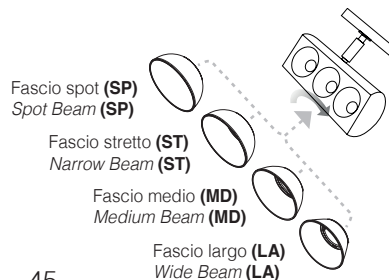
*Proyectoros LED para comercios.*

## **PROIETTORI**

**PROJECTORS  
PROJECTEURS  
PROYECTOROS**







Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools

# MUSE TEER

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Proiettore LED a binario orientabile con ottiche intercambiabili.  
 Adjustable track-mounted LED projector, exchangeable optics.  
 Projecteur LED orientable sur rail avec optiques échangeables.  
 Projector LED orientable de carril con ópticas intercambiables.

Corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore verniciato con polveri poliesteri previo lavaggio con acqua demineralizzata. Ottica in alluminio metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario con alimentazione integrata nell'adattatore ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminium body machined from solid, with heatsink function, painted with polyester powders after washing with demineralised water. Metallized aluminium louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Track mounting system with built-in electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en aluminium extrudé usiné dans la masse avec fonction de dissipateur, peint par poudre polyester après rinçage en eau déminéralisée. Optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source lumineuse LED. Émission directe. Système de fixation sur rail avec alimentation intégrée à l'adaptateur ON/OFF. Sur demande : dimmable DALI (code DL).

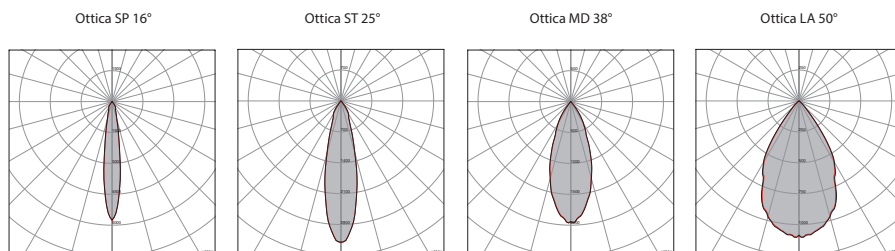
Cuerpo de aluminio extruido mecanizado a partir de sólido con función de disipador barnizado con polvo de poliéster previamente lavado con agua desmineralizada. Óptica de aluminio metalizado de haz amplio (cod. LA), haz medio (cod. MD), haz estrecho (cod. ST), haz spot (cod. SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación con carril con alimentación integrada en el adaptador ON/OFF. Bajo pedido: regulable DALI (cod.DL).

5Y WARRANTY 5% FAILURE RATE | 60.000 h LED LIFETIME L90B10 | 100.000 h LED LIFETIME L70B50 | RIPPLE FREE

Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
2224	16	139	500	HRTE3H	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam	OF: ON/OFF  DL: DALI	<b>Standard:</b> ● WI: White Irazu ● BLL: Black Lava  <b>Su richiesta / On request:</b> ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica
3174	23	138	700	HRTE3N		ST: fascio stretto narrow beam		
3630	26,5	137	800	HRTE3P		MD: fascio medio medium beam		
3951	29	136	900	HRTE3R		LA: fascio largo wide beam		
4590	34	135	1050	HRTE3U				

CE | Recycled | >90 CRI | 3SDCM | IP20 | IK 07 | 230 V | 50/60 Hz | 850° | DALI | DIM W | IP44 FNO 700mA

A richiesta | On request



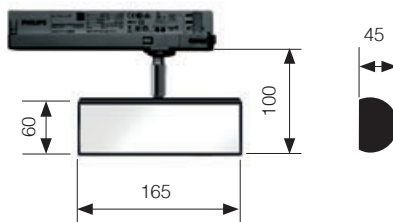
Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8







# MUSE TEER OP

OPALE/OPAL/OPALE/OPAL

Proiettore LED a binario orientabile.  
Adjustable track-mounted LED projector.  
Projecteur LED orientable sur rail.  
Projector LED orientable de carril.

Corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica in policarbonato opale diffondente. Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario con alimentazione integrata nell'adattatore ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminium body machined from solid, with heatsink function, painted with polyester powders après rinçage en eau déminéralisée. Optique diffuseur en polycarbonate opale. Source lumineuse LED. Emission directe. Système de fixation sur rail avec alimentation intégrée à l'adaptateur ON/OFF. Sur demande : dimmable DALI (code DL).

Corps en aluminium extrudé usiné dans la masse avec fonction de dissipateur, peint par poudrage polyester après rinçage en eau déminéralisée. Optique diffuseur en polycarbonate opale. Source lumineuse LED. Emission directe. Système de fixation sur carril con alimentación integrada en el adaptador ON/OFF. Bajo pedido: regulable DALI (cod.DL).

Cuerpo de aluminio extruido mecanizado a partir de solido con función de Disipador barnizado con polvo de poliéster previamente lavado con agua desmineralizada. Óptica difusora de policarbonato opal. Fuente de iluminación LED. Emisión directa. Sistema de fijación con carril con alimentación integrada en el adaptador ON/OFF. Bajo pedido: regulable DALI (cod.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Ottica Optic	Alimentazione Power Supply	Colore Colour
2010	16	125	500	HRTEO3H	WW: 2700 OW: 3000 OX: 3500 ON: 4000	opale / opal	OF: ON/OFF DL: DALI	Standard:
2490	23	108	600	HRTEO3L				● <b>WI:</b> White Irazu
2780	26,5	105	700	HRTEO3N				● <b>BLL:</b> Black Lava
								<b>Su richiesta / On request:</b>
								● <b>SB:</b> Silver Bombalai
								● <b>BL:</b> Bronze Lario
								● <b>RR:</b> Rust Rame
								● <b>BF:</b> Beige Futura
								● <b>GK:</b> Gold Karkar
								● <b>BT:</b> Blue Telica

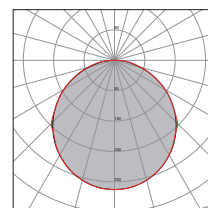


A richiesta | On request

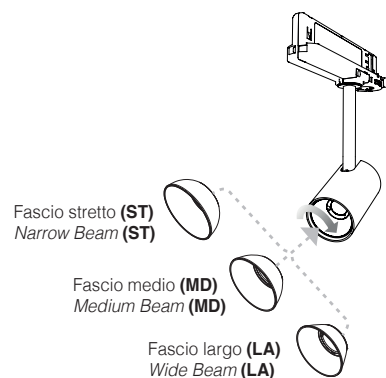
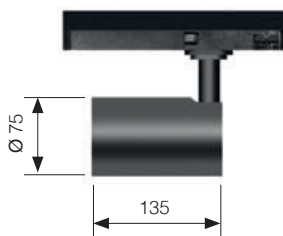
Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

Ottica OP 112°







Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools

# MUSE 75

FASCIO/BEAM/FAISCEAU/HAZ ST | MD | LA

Proiettore LED a binario orientabile con ottiche intercambiabili.  
 Adjustable track-mounted LED projector, exchangeable optics.  
 Projecteur LED orientable monté sur rail, optiques interchangeables.  
 Proyector LED orientable montado en riel, ópticas intercambiables.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica retratta di mm57 in policarbonato lenticolare fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario con alimentazione integrata nell'adattatore ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminium body painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Retracted optic of 57 mm in lenticular polycarbonate, wide beam (code LA), medium beam (code MD) narrow beam (code ST). LED light source. Direct light emission. Track mounting system with built-in electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur en aluminium extrudé. Optique rétractable de 57 mm en polycarbonate lenticulaire, faisceau large (cod. LA), faisceau moyen (cod. MD), faisceau étroit (cod. ST). Source lumineuse LED. Émission directe. Système de fixation sur rail avec alimentation intégrée à l'adaptateur ON/OFF. Sur demande : dimmable DALI (cod. DL).

Cuerpo de aluminio extruido barnizado con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica retráctil de 57 mm en policarbonato lenticular de haz amplio (cod. LA), haz medio (cod. MD), haz estrecho (cod. ST). Fuente de iluminación LED. Emisión directa. Sistema de fijación con carril con alimentación integrada en el adaptador ON/OFF. Bajo pedido: regulable DALI (cod.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1570	13	120	350	HRM7IE	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>ST:</b> fascio stretto narrow beam	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
2170	18	120	500	HRM7IH		<b>MD:</b> fascio medio medium beam		
2652	22	120	650	HRM7IM		<b>LA:</b> fascio largo wide beam		

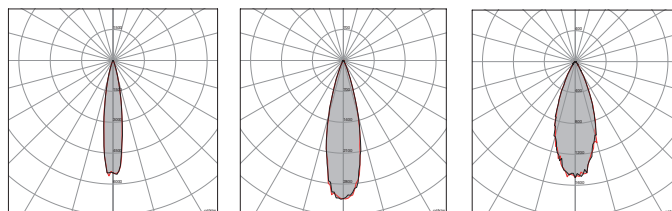


A richiesta | On request

Ottica ST 12°

Ottica MD 25°

Ottica LA 38°

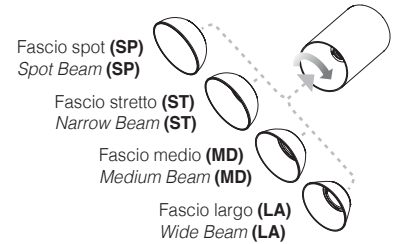
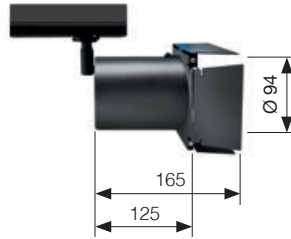


H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.2	1	0.4	1	0.7
2	0.4	2	0.8	2	1.4
3	0.6	3	1.3	3	2.1
4	0.8	4	1.7	4	2.7
5	1.0	5	2.1	5	3.4

Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%





Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools



# SNOOPY FASHION

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Proiettore LED a binario orientabile con ottiche intercambiabili.  
 Adjustable track-mounted LED projector, exchangeable optics.  
 Projecteur LED orientable sur rail avec optiques échangeables.  
 Projector LED orientable de carril con ópticas intercambiables.

Corpo in alluminio tornito verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario con alimentazione integrata nell'adattatore ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Turned aluminium body painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Metallized aluminium louver wide beam (code LA), medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Track mounting system with built-in electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en aluminium travaillé sur tour, peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique en aluminium métallisé, faisceau large (cod. LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Émission de lumière directe. Système de montage sur rail avec driver électronique intégré ON/OFF. Sur demande : DALI dimmable (code DL).

Cuerpo de aluminio torneado recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cod. LA), haz medio (cod. MD), haz estrecho (cod. ST), haz spot (cod. SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación con carril con alimentación electrónica integrada en el adaptador ON/OFF. Bajo pedido: regulable DALI (cod. DL).

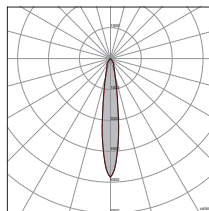


Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
2340	18	130	500	HRSNFH	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam	OF: ON/OFF  DL: DALI	<b>Standard:</b> ● WI: White Irazu ● BLL: Black Lava  <b>Su richiesta / On request:</b> ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica
2760	22	126	600	HRSNFL		ST: fascio stretto narrow beam		
3080	25,5	121	700	HRSNFN		MD: fascio medio medium beam		
3770	33	114	900	HRSNFR		LA: fascio largo wide beam		

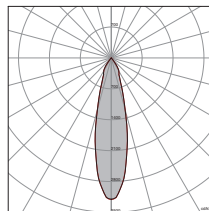


A richiesta | On request

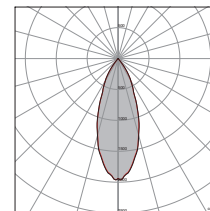
Ottica SP 16°



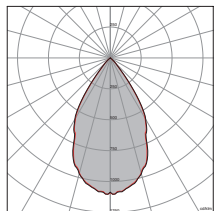
Ottica ST 25°



Ottica MD 38°



Ottica LA 50°

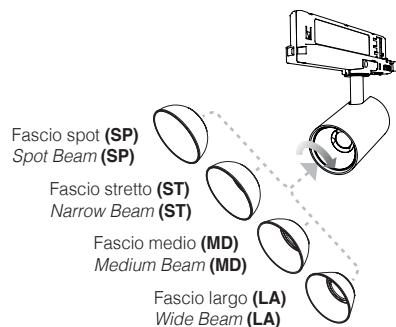
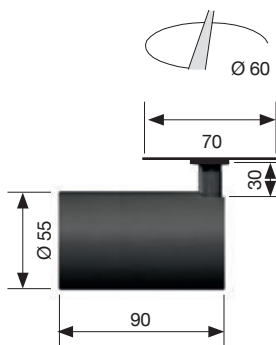


Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8





Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools

# MUSE 54 IN

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Proiettore LED con ottiche intercambiabili.  
 Adjustable LED projector, exchangeable optics.  
 Projecteur LED orientable avec optiques échangeables.  
 Projector LED orientable con ópticas intercambiables.

Corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore di calore verniciato con polveri epossidiche previa fosfatazione. Ottica in policarbonato metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario con alimentazione integrata nell'adattatore ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminium body machined from solid, with heatsink function, painted with epoxy powders after phosphating. Metallized polycarbonate louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Track mounting system with built-in electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en aluminium extrudé réalisé par usinage lui donnant la propriété de dissipateur, avec traitement époxy. Optique en polycarbonate métallisé à faisceau large (réf. LA) faisceau moyen (réf. MD) faisceau étroit (réf. ST) faisceau spot (réf. SP). Source lumineuse LED. Emission directe. Système de fixation sur rail avec alimentation intégrée dans l'adaptateur ON/OFF. Sur demande: dimmable DALI (réf. DL).

Cuerpo de aluminio extruido mecanizado a partir de sólido con función de disipador y recubierto con polvo epoxi previamente fosfataado. Óptica de policarbonato metalizado de haz amplio (cód. LA) haz medio (cód. MD) haz estrecho (cód. ST) haz spot (cód. SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación con carril con alimentación integrada en el adaptador ON/OFF. A pedido: regulación DALI (cód. DL).



Lumen	Watt	Lumen Watt Out	mA	Code Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1100	9	≤ 122	250	HRM5IC	WW: 2700 W:3000 X:3500 N:4000	SP: fascio spot spot beam	-: ON/OFF  DL: DALI	<b>Standard:</b> ● WI: White Irazu ● BLL: Black Lava <b>Su richiesta /On request:</b> ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica
1550	13	≤ 119	350	HRM5IE		ST: fascio stretto narrow beam		
2150	18,5	≤ 116	500	HRM5IH		MD: fascio medio medium beam  LA: fascio largo wide beam		

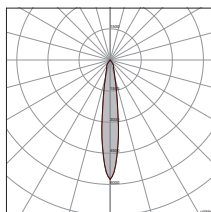


A richiesta | On request

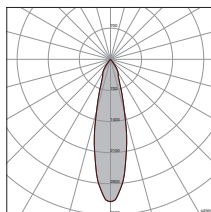
Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI90;  
 Variazione flusso con CRI85 + 8%, con CRI95 - 8%.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI90;  
 Flux variation with CRI85 + 8%, with CRI95 - 8%.  
 Watt: system power  
 Tolerance ± 10%

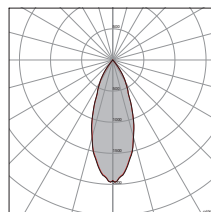
Ottica SP 15°



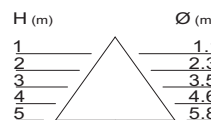
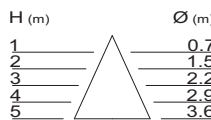
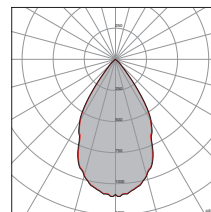
Ottica ST 25°

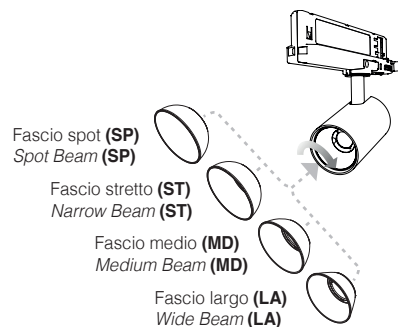
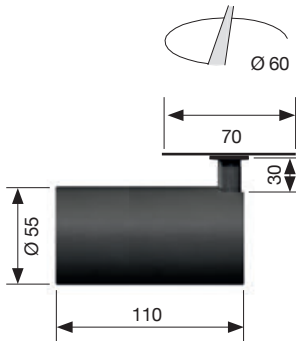


Ottica MD 40°



Ottica LA 60°





Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools

# MUSE 56 IN

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Proiettore LED orientabile con ottiche intercambiabili.  
 Adjustable LED projector, exchangeable optics.  
 Projecteur LED orientable avec optiques échangeables.  
 Proyector LED orientable con ópticas intercambiables.

Corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore di calore verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica in policarbonato metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fasciospot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio in controsoffitto. Alimentazione esterna ON/OFF. A richiesta dimmerabile DALI (cod. DL).

Extruded aluminium body machined from solid, with heatsink function, painted with polyester powders after washing with demineralised water. Metallized aluminium polycarbonate louver wide beam (code LA), medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. False ceiling mounting system. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en aluminium extrudé usiné dans la masse avec fonction de dissipateur thermique, peint par poudrage polyester après rinçage en eau déminéralisée. Optique en polycarbonate métallisé, faisceau large (cod. LA), faisceau moyen (cod. MD), faisceau étroit (cod. ST), faisceau spot (cod. SP). Source lumineuse LED. Emission directe. Système de fixation en faux plafond. Alimentation électronique séparée ON/OFF. Sur demande: DALI dimmable (code DL).

Cuerpo de aluminio extruido mecanizado a partir de sólido con función de Disipador barnizado con polvo de poliéster previamente lavado con agua desmineralizada. Óptica de policarbonato metallizado de haz amplio (cod. LA), haz medio (cod. MD), haz estrecho (cod. ST), haz spot (cod. SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación para falso techo. Alimentación separada ON/OFF. Bajo pedido: regulable DALI (cód. DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1100	9	≤ 122	250	HRM6IC	WW: 2700 W:3000 X:3500 N:4000	SP: fascio spot spot beam	-: ON/OFF  DL: DALI	<b>Standard:</b> ● WI: White Irazu ● BLL: Black Lava <b>Su richiesta /On request:</b> ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica
1550	13	≤ 119	350	HRM6IE		ST: fascio stretto narrow beam		
2150	18,5	≤ 116	500	HRM6IH		MD: fascio medio medium beam		
2950	26	≤ 114	700	HRM6IN		LA: fascio largo wide beam		

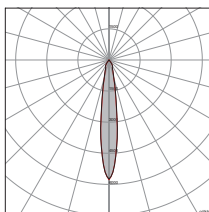


A richiesta | On request

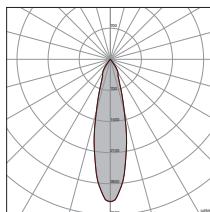
Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI90;  
 Variazione flusso con CRI85 + 8%, con CRI95 - 8%.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI90;  
 Flux variation with CRI85 + 8%, with CRI95 - 8%.  
 Watt: system power  
 Tolerance ± 10%

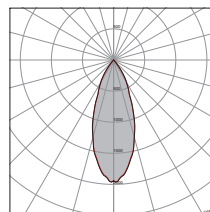
Ottica SP 15°



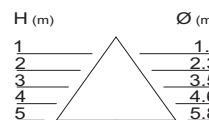
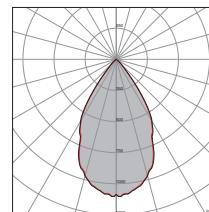
Ottica ST 25°



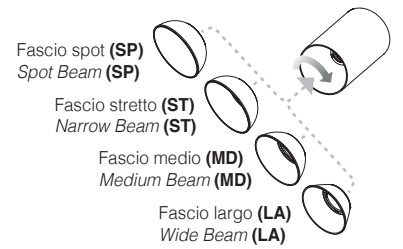
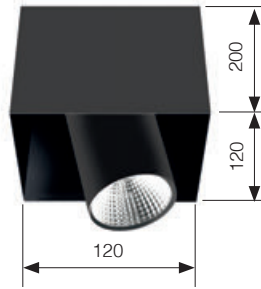
Ottica MD 40°



Ottica LA 60°







Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools



# SNOPI UP 1

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Apparecchio LED a plafone con corpo estraibile e orientabile.  
 Ceiling mounted LED fixture with adjustable extractable body.  
 Luminaire LED encastré au plafond avec corps extractible orientable.  
 Accesorio LED montado en techo con cuerpo orientable y extraíble.

Corpo in lamiera d'acciaio e proiettore in alluminio tornito estraibile e orientabile verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio a plafone. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Steel sheet body and turned aluminium extractable and adjustable projector painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Aluminium metallized louvre wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Ceiling fixing system. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier et projecteur extractible et réglable en aluminium travaillé sur tour, peints avec des poudres de polyester après lavage à l'eau déminéralisée. Dissipateur thermique en aluminium extrudé, optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Émission de lumière directe. Système de fixation au plafond. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

Cuerpo de chapa de acero y proyector de aluminio torneado extraíble y orientable recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación a techo. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).

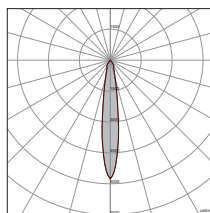


Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
2340	18	130	500	HRSNUH	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>SP:</b> fascio spot spot beam	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
2760	22	126	600	HRSNUL		<b>ST:</b> fascio stretto narrow beam		
3080	25,5	121	700	HRSNUN		<b>MD:</b> fascio medio medium beam		
3770	33	114	900	HRSNUR		<b>LA:</b> fascio largo wide beam		

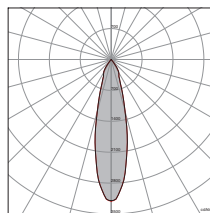


A richiesta | On request

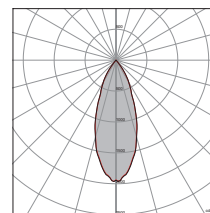
Ottica SP 16°



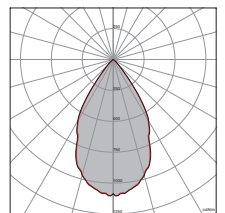
Ottica ST 25°



Ottica MD 38°



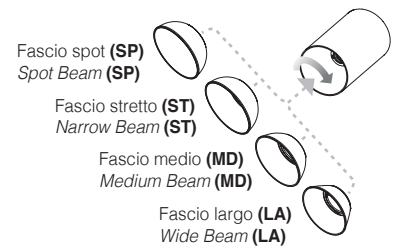
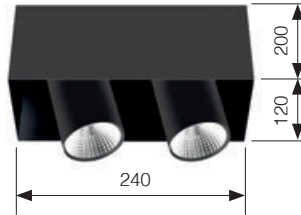
Ottica LA 50°



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8



**Nota/Note**  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools



# SNOPI UP 2

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Apparecchio LED a plafone con corpo estraibile e orientabile.  
 Ceiling mounted LED fixture with adjustable extractable body.  
 Luminaire LED encastré au plafond avec corps extractible orientable.  
 Accesorio LED montado en techo con cuerpo orientable y extraíble.

Corpo in lamiera d'acciaio e proiettore in alluminio tornito estraibile e orientabile verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) spot beam (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio a plafone. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Steel sheet body and turned aluminium extractable and adjustable projector painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Aluminium metallized louvre wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Ceiling fixing system. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier et projecteur extractible et réglable en aluminium travaillé sur tour, peints avec des poudres de polyester après lavage à l'eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Emission de lumière directe. Système de fixation au plafond. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

Cuerpo de chapa de acero y proyector de aluminio torneado extraíble y orientable recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación a techo. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
4680	2x18	130	500	HRSNU2H	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>SP:</b> fascio spot spot beam <b>ST:</b> fascio stretto narrow beam <b>MD:</b> fascio medio medium beam <b>LA:</b> fascio largo wide beam	<b>ON:</b> ON/OFF <b>DL:</b> DALI	<b>Standard:</b> ● <b>Wl:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
5520	2x22	126	600	HRSNU2L				
6160	2x25,5	121	700	HRSNU2N				
7540	2x33	114	900	HRSNU2R				



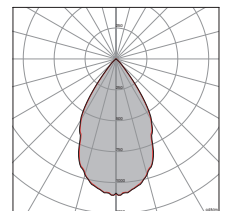
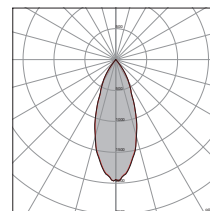
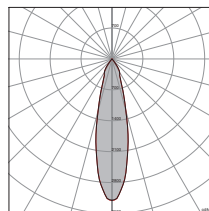
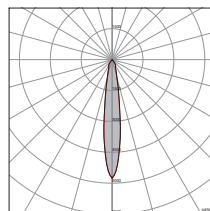
A richiesta | On request

Ottica SP 16°

Ottica ST 25°

Ottica MD 38°

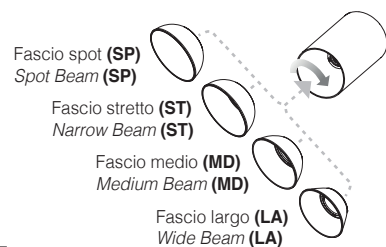
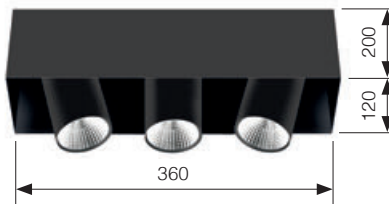
Ottica LA 50°



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8



Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools



# SNOPLY UP 3

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Apparecchio LED a plafone con corpo estraibile e orientabile.  
 Ceiling mounted LED fixture with adjustable extractable body.  
 Luminaire LED encastré au plafond avec corps extractible orientable.  
 Accesorio LED montado en techo con cuerpo orientable y extraíble.

Corpo in lamiera d'acciaio e proiettore in alluminio tornito estraibile e orientabile verniciato con polveri poliesteri previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) spot beam (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio a plafone. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Steel sheet body and turned aluminium extractable and adjustable projector painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Aluminium metallized louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Ceiling fixing system. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier et projecteur extractible et réglable en aluminium travaillé sur tour, peints avec des poudres de polyester après lavage à l'eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Émission de lumière directe. Système de fixation au plafond. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

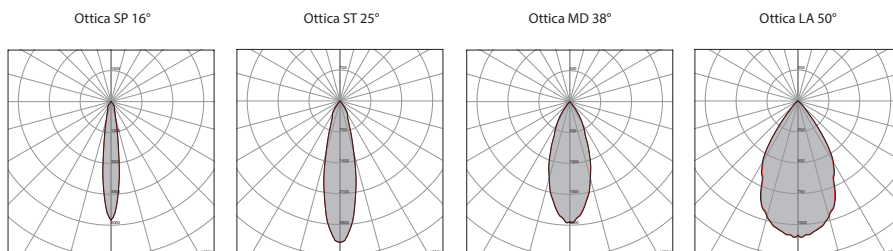
Cuerpo de chapa de acero y proyector de aluminio torneado extraíble y orientable recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación a techo. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
7020	3x18	130	500	HRSNU3H	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>SP:</b> fascio spot spot beam  <b>ST:</b> fascio stretto narrow beam  <b>MD:</b> fascio medio medium beam  <b>LA:</b> fascio largo wide beam	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
8280	3x22	126	600	HRSNU3L				
9240	3x25,5	121	700	HRSNU3N				
11310	3x33	114	900	HRSNU3R				



A richiesta | On request



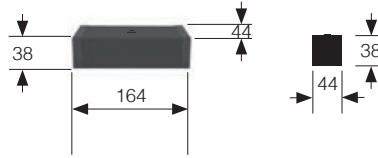
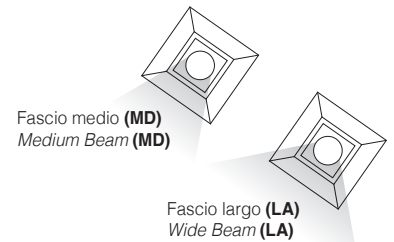
Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8







# MINI ALL 4 CUT/OFF UP

Apparecchio LED montaggio plafone 4 luci.  
Ceiling 4 lights LED fixture.  
Luminaire LED plafonnier 4 spots.  
Accesorio LED de techo de 4 luces.

Corpo in lamiera d'acciaio pressopiegato verniciato con polveri poliestere previo lavaggio con acqua demineralizzata, con funzione di dissipatore. Gruppo ottico in PMMA ad alto rendimento (sistema di microriflettori) fascio medio (cod. MD) fascio largo (cod. LA). Cover ottica per controllo UGR bianca (cod. B) nera (cod. N). Sorgente luminosa LED. Emissione diretta. Fissaggio a plafone. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Bent steel sheet body painted with poliestere powders after washing with demineralised water, with heatsink function. High performance PMMA optic group (micro reflector system) wide beam (code LA) medium beam (code MD). UGR control optic cover white (code B) black (code N). LED light source. Direct light emission. Ceiling fixing system. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier pliée, peint par poudrage polyester après rinçage en eau déminéralisée, avec fonction de dissipateur thermique. Groupe optique en PMMA haute performance (système de micro réflecteurs), faisceau large (code LA), faisceau moyen (code MD). Couverture optique pour contrôle UGR blanche (code B), noire (code N). Source de lumière LED. Émission de lumière directe. Système de fixation en plafonnier. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

Cuerpo de chapa de acero plegada y recubierta con polvo de poliéster previamente lavado con agua desmineralizada, con función de disipador. Grupo óptico de alto rendimiento de PMMA (sistema de microreflectores) de haz medio (cód.MD), haz amplio (cód.LA). Cover óptica para control UGR, blanca (cód.B) o negra (cód.N). Fuente de iluminación LED. Emisión directa. Sistema de fijación a techo Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).

**5Y WARRANTY**  
5% FAILURE RATE

**60.000 h**  
LED LIFETIME L90B10

**100.000 h**  
LED LIFETIME L70B50

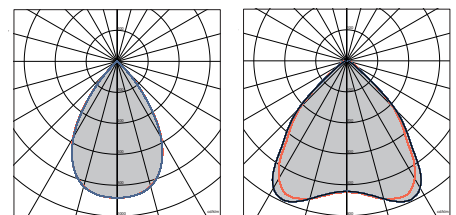
**RIPPLE FREE**

Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Ottica* Optic*	Alimentazione power Supply	Colore Colour
338	2,5	135	100	HRMU4T	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>MD:</b> fascio medio medium beam  <b>LA:</b> fascio largo wide beam	* Colore Color  <b>B:</b> bianco white  <b>N:</b> nero black	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b>  ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
460	3,4	135	150	HRMU4S					
616	4,6	134	200	HRMU4B					
778	5,8	134	250	HRMU4C					
1040	8,5	122	350	HRMU4E					

A richiesta | On request

Ottica MD 68°

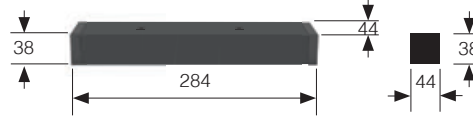
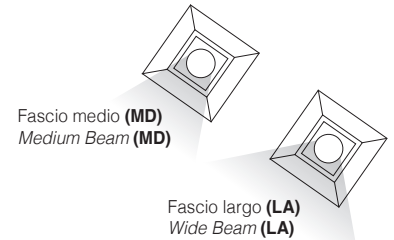
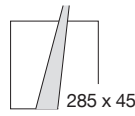
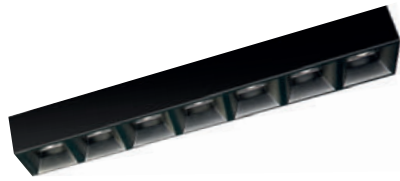
Ottica LA 90°



H (m)	Ø (m)	H (m)	Ø (m)
1	1.3	1	1.9
2	2.7	2	3.7
3	4.0	3	5.6
4	5.4	4	7.5
5	5.8	5	9

Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%



# MINI ALL 7 CUT/OFF UP

Apparecchio LED montaggio plafone 7 luci.  
Ceiling 7 lights LED fixture.  
Luminaire LED plafonnier 7 spots.  
Accessorio LED de techo de 7 luces

Corpo in lamiera d'acciaio pressopiegato verniciato con polveri poliestere previo lavaggio con acqua demineralizzata, con funzione di dissipatore. Gruppo ottico in PMMA ad alto rendimento (sistema di microriflettori) fascio medio (cod. MD) fascio largo (cod. LA). Cover ottica per controllo UGR bianca (cod. B) nera (cod. N). Sorgente luminosa LED. Emissione diretta. Fissaggio a plafone. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Bent steel sheet body painted with poliestere powders after washing with demineralised water, with heatsink function. High performance PMMA optic group (micro reflector system) wide beam (code LA) medium beam (code MD). UGR control optic cover white (code B) black (code N). LED light source. Direct light emission. Ceiling fixing system. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier pliée, peint par poudrage polyester après rinçage en eau déminéralisée, avec fonction de dissipateur thermique. Groupe optique en PMMA haute performance (système de micro réflecteurs), faisceau large (code LA), faisceau moyen (code MD). Couverture optique pour contrôle UGR blanche (code B), noire (code N). Source de lumière LED. Emission de lumière directe. Système de fixation en plafonnier. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

Cuerpo de chapa de acero plegada y recubierta con polvo de poliéster previamente lavado con agua desmineralizada, con función de disipador. Grupo óptico de alto rendimiento de PMMA (sistema de microrefletores) de haz medio (cód.MD), haz amplio (cód.LA). Cover óptica para control UGR, blanca (cód.B) o negra (cód.N). Fuente de iluminación LED. Emisión directa. Sistema de fijación a techo Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).

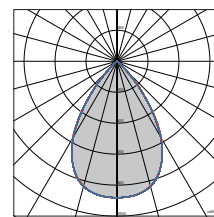


Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Ottica* Optic*	Alimentazione power Supply	Colore Colour
540	4,0	135	100	HRMU7T	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>MD:</b> fascio medio medium beam  <b>LA:</b> fascio largo wide beam	* Colore Color	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
810	6,0	135	150	HRMU7S			<b>B:</b> bianco white		
1075	8,0	134	200	HRMU7B			<b>N:</b> nero black		
1350	10	134	250	HRMU7C					
1850	15	122	350	HRMU7E					

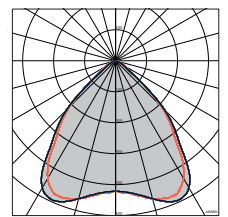


A richiesta / On request

Ottica MD 68°



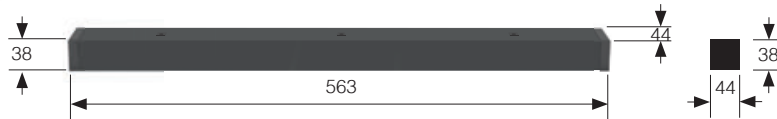
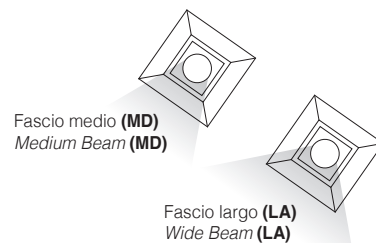
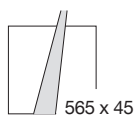
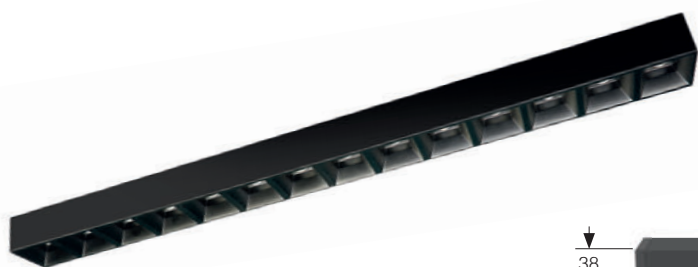
Ottica LA 90°



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)
1	1.3	1	1.9
2	2.7	2	3.7
3	4.0	3	5.6
4	5.4	4	7.5
5	5.8	5	9



## MINI ALL 14 CUT/OFF UP

Apparecchio LED montaggio plafone 14 luci.

Ceiling 14 lights LED fixture.

Luminaire LED plafonnier 14 spots.

Accesorio LED de techo de 14 luces

Corpo in lamiera d'acciaio pressopiegato verniciato con polveri poliestere previo lavaggio con acqua demineralizzata, con funzione di dissipatore. Gruppo ottico in PMMA ad alto rendimento (sistema di microriflettori) fascio medio (cod. MD) fascio largo (cod. LA). Cover ottica per controllo UGR bianca (cod. B) nera (cod. N). Sorgente luminosa LED. Emissione diretta. Fissaggio a plafone. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Bent steel sheet body painted with poliestere powders after washing with demineralised water, with heatsink function. High performance PMMA optic group (micro reflector system) wide beam (code LA) medium beam (code MD). UGR control optic cover white (code B) black (code N). LED light source. Direct light emission. Ceiling fixing system. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier pliée, peint par poudrage polyester après rinçage en eau déminéralisée, avec fonction de dissipateur thermique. Groupe optique en PMMA haute performance (système de micro réflecteurs), faisceau large (code LA), faisceau moyen (code MD). Couverture optique pour contrôle UGR blanche (code B), noire (code N). Source de lumière LED. Emission de lumière directe. Système de fixation en plafonnier. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

Cuerpo de chapa de acero plegada y recubierta con polvo de poliéster previamente lavado con agua desmineralizada, con función de disipador. Grupo óptico de alto rendimiento de PMMA (sistema de microreflectores) de haz medio (cód.MD), haz amplio (cód.LA). Cover óptica para control UGR, blanca (cód.B) o negra (cód.N). Fuente de iluminación LED. Emisión directa. Sistema de fijación a techo Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).

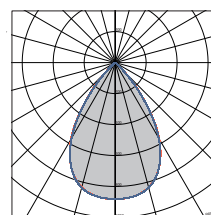


Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Ottica* Optic*	Alimentazione power Supply	Colore Colour
1012	7,5	135	200	HRMU14B	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>MD:</b> fascio medio medium beam <b>LA:</b> fascio largo wide beam	* Colore Color	<b>OF:</b> ON/OFF <b>DL:</b> DALI	<b>Standard:</b> ● <b>W1:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
1550	11,5	135	300	HRMU14D			<b>B:</b> bianco white		
2080	15,5	134	400	HRMU14F			<b>N:</b> nero black		
2680	20,0	134	500	HRMU14H					
3540	29,0	122	700	HRMU14N					

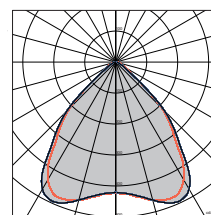


A richiesta | On request

Ottica MD 68°



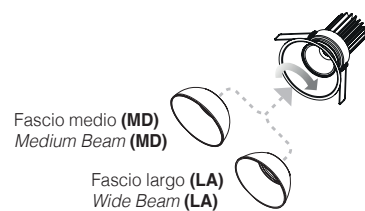
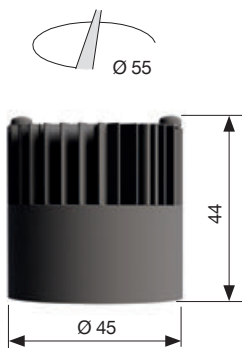
Ottica LA 90°



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)
1	1.3	1	1.9
2	2.7	2	3.7
3	4.0	3	5.6
4	5.4	4	7.5
5	5.8	5	9



# MIDI MAG

FASCIO/BEAM/FAISCEAU/HAZ MD | LA

Apparecchio LED da incasso.  
Recessed LED downlight.  
Luminaire LED encastré.  
Luminaria LED de empotrar.

Corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore di calore verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica in policarbonato metallizzato fascio largo (cod. LA), fascio medio (cod. MD). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a incasso tramite accessorio B o accessorio R. Alimentazione esterna ON/OFF. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.

Extruded aluminium body machined from solid, with heatsink function, painted with polyester powders after washing with demineralised water. Metallized aluminium polycarbonate louver wide beam (code LA), medium beam (code MD). LED light source. Direct light emission. Recessed mounting system using accessory B or R. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately.

Corps en aluminium extrudé usiné dans la masse, avec fonction de dissipateur thermique, peint par poudrage polyester après rinçage en eau déminéralisée. optique en polycarbonate d'aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD). Source de lumière LED. Emission de lumière directe. Système de montage encastré utilisant l'accessoire B ou R. Alimentation externe ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément.

Cuerpo de aluminio extruido mecanizado a partir de sólido con función de disipador recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Óptica de policarbonato metalizado de haz amplio (cód.LA), haz medio (cód.MD). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado con Luminaria B o R. Alimentación externa ON/OFF. Bajo pedido: regulable DALI (cod.DL). Fuente de alimentación no incluida, a pedir por separado.



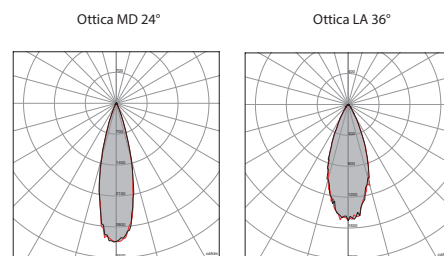
Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
620	6,5	96	180	HRMIMA	WW:2700 OW:3000 ON:4000	MD: fascio medio medium beam LA: fascio largo wide beam	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BL:</b> Black Lava <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica



## ACCESSORI / ACCESSORIES / ACCESSOIRES / ACCESORIOS



\* Colore / Colour



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)
1	0.4	1	0.7
2	0.8	2	1.4
3	1.3	3	2.1
4	1.7	4	2.7
5	2.1	5	3.4



TECNICO A

TECNICO L

TECNICO Z

TECNICO G

MUSE TEER RIKI

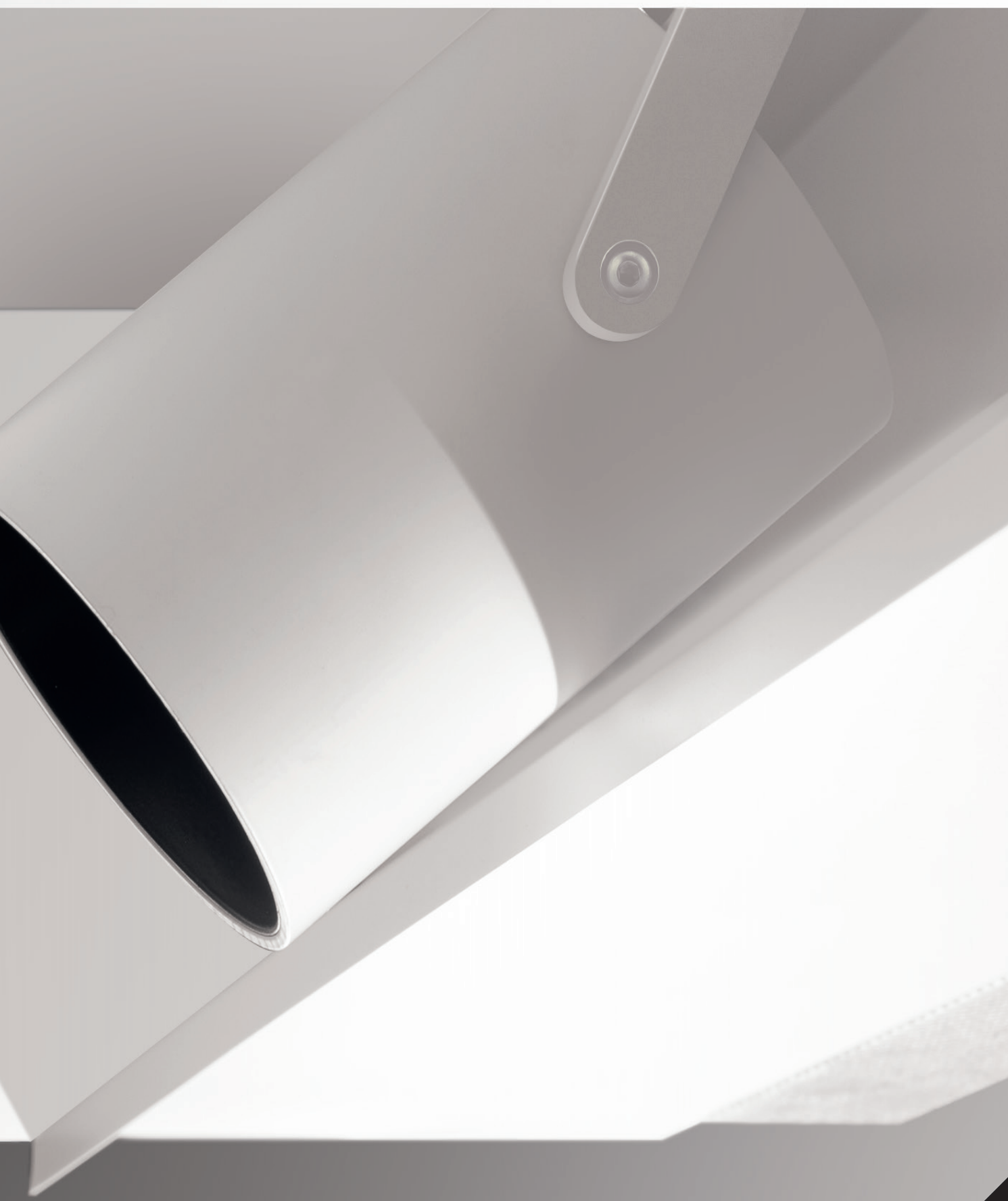
MUSE 56 RIKI

MUSE 75 IN RIKI

**EXTREME  
CUSTOMIZATION**

**TAGLI DI LUCE**

*CUTS OF LIGHT  
LUMIERE STRUCTUREE  
CORTES DE LUZ*





## TECNICO A

Sistemi ad incasso per tagli di luce completo di binario elettrificato 230V singolo o doppio.  
Tecnico A con binario singolo codice HRGAA10.  
Tecnico A con binario doppio codice HRGAB10.

*Recessed system for cuts of light complete with electrified track 230V single or double.  
Tecnico A with single track code HRGAA10.  
Tecnico A with double track code HRGAB10.*

*Systèmes encastrés pour gorges lumineuses avec rail électrifié 230V simple ou double.  
Tecnico A avec rail simple code HRGAA10.  
Tecnico A avec rail double code HRGAB10.*

*Sistemas empotrados para cortes de luz con carril eléctrico de 230V individual o doble.  
Tecnico A con carril individual código HRGAA10.  
Tecnico A con carril doble código HRGAB10.*

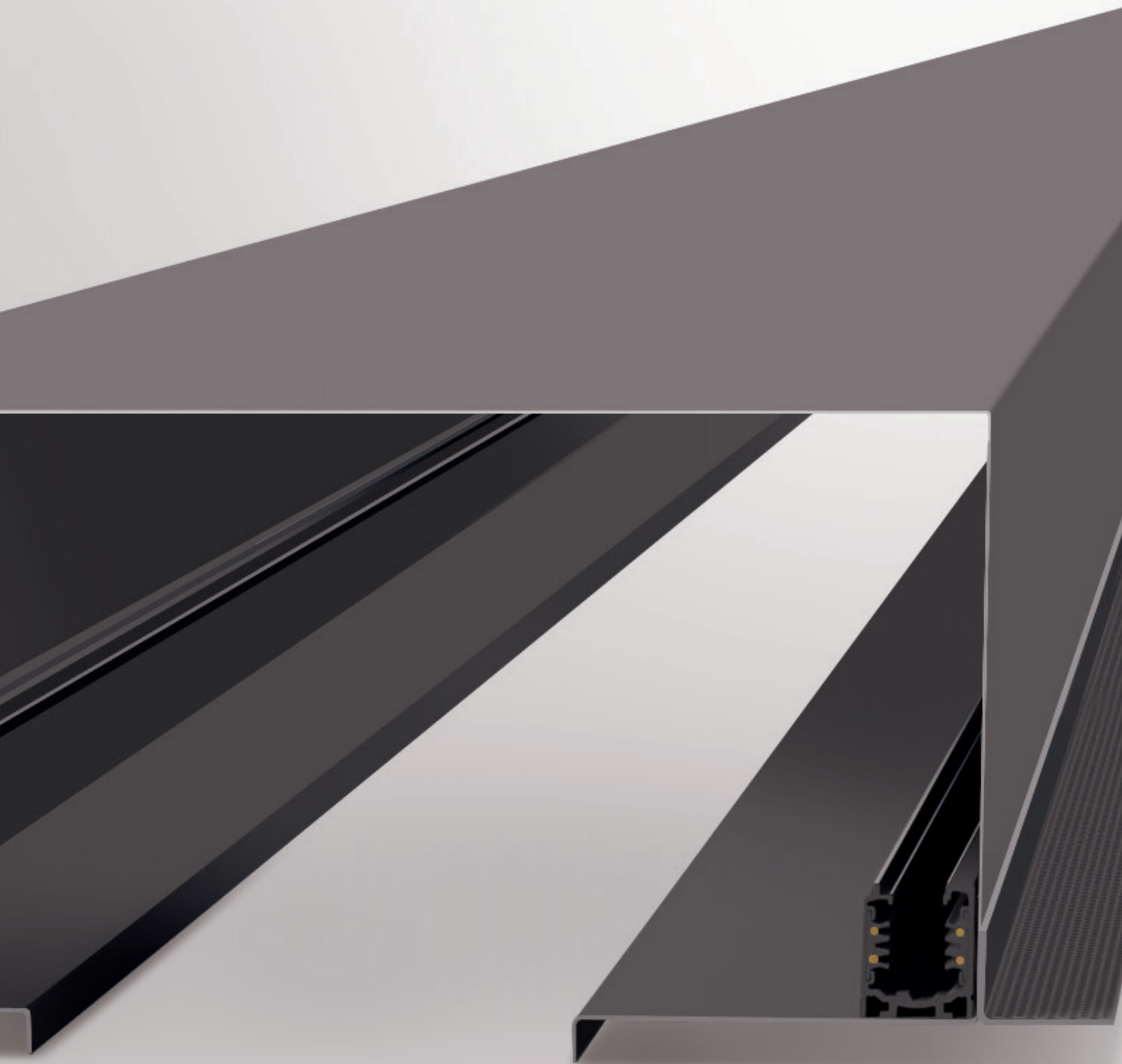


### TAGLI DI LUCE

CUTS OF LIGHT  
LUMIERE STRUCTUREE  
CORTES DE LUZ



\*Misure standard - L 1000mm (a richiesta misure custom)  
Standard dimension - L 1000mm (customizable on request)



## TECNICO L

Sistemi ad incasso per tagli di luce completo di binario elettrificato 230V.  
Lunghezza 1000mm codice HRGL10.  
Lunghezza 2000mm codice HRGL20

*Recessed system for cuts of light complete with electrified track 230V.  
Length 1000mm code HRGL10.  
Length 2000mm code HRGL20.*

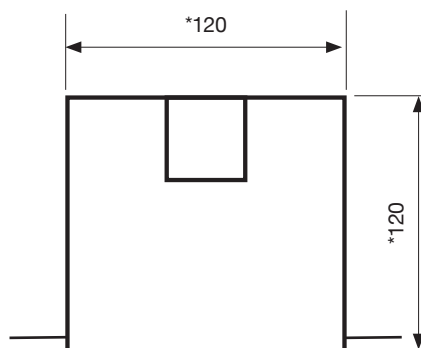
*Systèmes encastrés pour gorges lumineuses avec rail électrifié 230V.  
Longueur 1000 mm code HRGL10.  
Longueur 2000 mm code HRGL20.*

*Sistemas empotrados para cortes de luz con carril eléctrico de 230V.  
Longitud de 1000 mm código HRGL10.  
Longitud de 2000 mm código HRGL20.*



### TAGLI DI LUCE

**CUTS OF LIGHT  
LUMIERE STRUCTUREE  
CORTES DE LUZ**



\*Misure standard - L 1000/2000mm (a richiesta misure custom)  
Standard dimension - L 1000/2000mm (customizable on request)



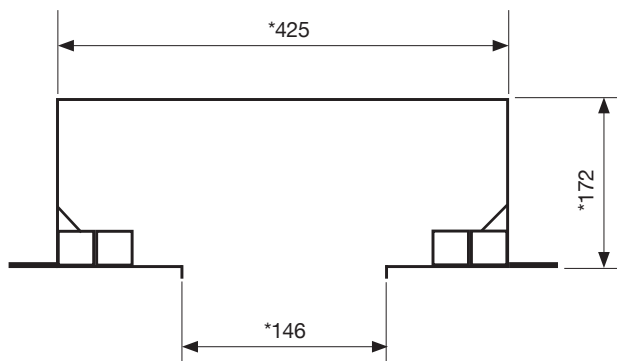
# TECNICO Z

Sistemi ad incasso per tagli di luce completo di binario elettrificato 230V singolo o doppio, con predisposizione per illuminazione diffusa continua.  
Tecnico Z con binario singolo codice HRGZA10.  
Tecnico Z con binario doppio codice HRGZB10.

*Recessed system for cuts of light complete with electrified track 230V single or double, with arrangement for continuous diffused lighting.  
Tecnico Z with single track code HRGZA10.  
Tecnico Z with double track code HRGZB10.*

*Systèmes encastrés pour gorges lumineuses avec rail électrifié 230V simple ou double, avec préparation pour éclairage diffus continu.  
Tecnico Z avec rail simple code HRGZA10.  
Tecnico Z avec rail double code HRGZB10.*

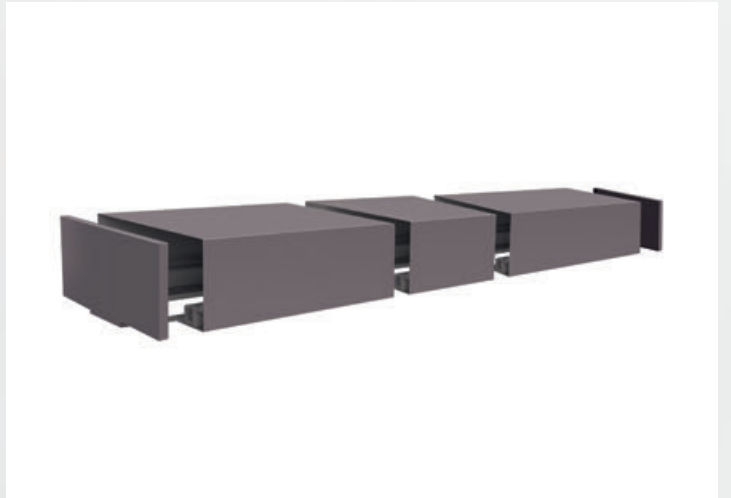
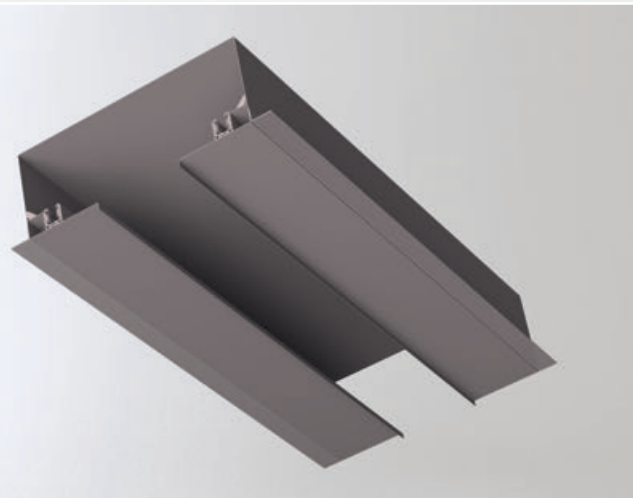
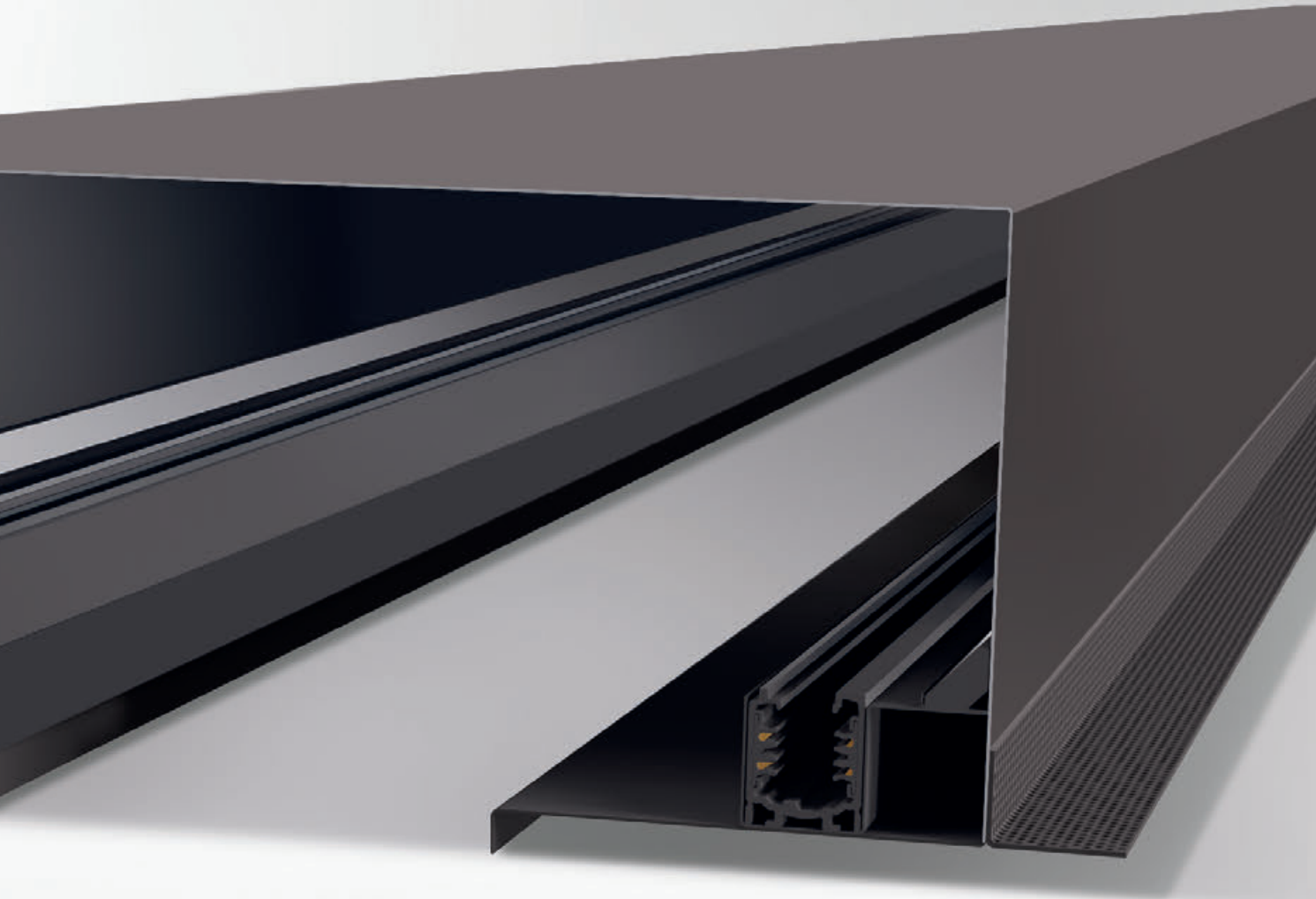
*Sistemas empotrados para cortes de luz con carril eléctrico de 230V individual o doble, con preparación para iluminación difusa continua.  
Tecnico Z con carril individual código como HRGZA10.  
Tecnico Z con carril doble código como HRGZB10.*



## TAGLI DI LUCE

CUTS OF LIGHT  
LUMIERE STRUCTUREE  
CORTES DE LUZ

\*Misure standard - L 1000mm (a richiesta misure custom)  
Standard dimension - L 1000mm (customizable on request)



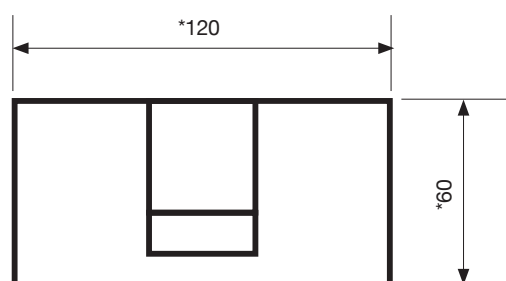
## TECNICO G

Sistemi a plafone o sospensione per tagli di luce con binario elettrificato 230V.  
Lunghezza 1000mm codice HRGGL10  
Lunghezza 2000mm codice HRGGL20

*Ceiling or suspension system for cuts of light complete with electrified track 230V.  
Length 1000mm code HRGGL10.  
Length 2000mm code HRGGL20.*

*Systèmes en plafonnier ou suspension pour gorges lumineuses avec rail électrifié 230V.  
Longueur 1000 mm code HRGGL10.  
Longueur 2000 mm code HRGGL20.*

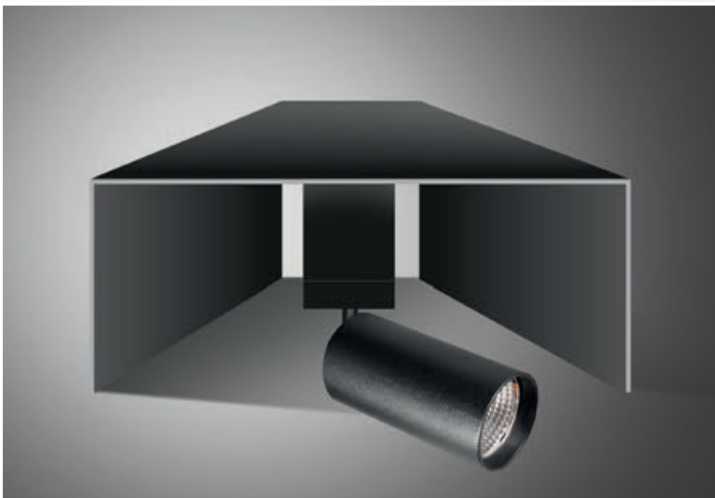
*Sistemas de techo o suspensión para cortes de luz con carril eléctrico de 230V.  
Longitud de 1000 mm código HRGGL10.  
Longitud de 2000 mm código HRGGL20.*



### TAGLI DI LUCE

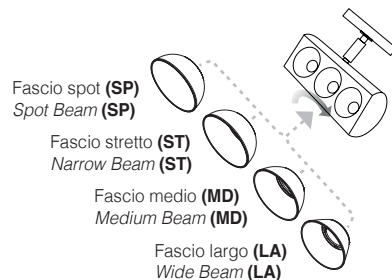
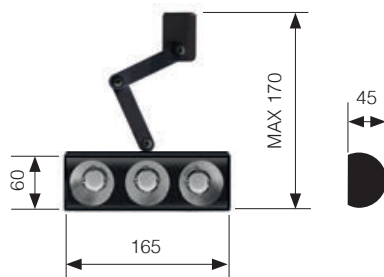
**CUTS OF LIGHT  
LUMIERE STRUCTUREE  
CORTES DE LUZ**

\*Misure standard - L 1000mm (a richiesta misure custom)  
Standard dimension - L 1000mm (customizable on request)









Nota/Note  
 Ottiche intercambiabili  
 senza ausilio di utensili  
 Exchangeable optics  
 without using of tools

# MUSE TEER RIKI

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Proiettore LED orientabile a binario con staffa snodabile per gole luminose. Adjustable track-mounted LED projector with articulated bracket for cuts of light.

Projecteur LED orientable monté sur rail avec support articulé pour effets de lumière.

Proyector LED orientable montado en riel con soporte articulado para cortes de luz.



Corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica in alluminio metallizzato fascio largo (cod. LA), fascio medio (cod. MD), fascio stretto (cod. ST), fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario con staffa snodabile e alimentazione integrata nell'adattatore ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminium body machined from solid, with heatsink function, painted with polyester powders after washing with demineralised water. Metallized aluminium louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Track mounting system with articulated bracket and with built-in electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en aluminium extrudé usiné dans la masse avec fonction de dissipateur, peint par poudrage polyester après rinçage en eau déminéralisée. Optique en aluminium métallisé, faisceau large (cod. LA), faisceau moyen (cod. MD), faisceau étroit (cod. ST), faisceau spot (cod. SP). Source lumineuse LED. Emission directe. Système de fixation sur rail avec support pivotant et alimentation intégrée à l'adaptateur ON/OFF. Sur demande : dimmable DALI (cod. DL).

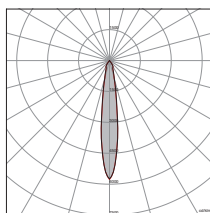
Cuerpo de aluminio extruido mecanizado a partir de sólido con función de disipador barnizado con polvo de poliéster previamente lavado con agua desmineralizada. Óptica de aluminio metalizado de haz amplio (cod. LA), haz medio (cod. MD), haz estrecho (cod. ST), haz spot (cod. SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación con carril con soporte articulado y alimentación integrada en el adaptador ON/OFF. Bajo pedido: regulable DALI (cod. DL).

Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
2224	16	139	500	HRTERH	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam	OF: ON/OFF  DL: DALI	Standard:
3174	23	138	700	HRTERN		ST: fascio stretto narrow beam		WI: White Irazu BLL: Black Lava
3630	26,5	137	800	HRTERP		MD: fascio medio medium beam		Su richiesta / On request: SB: Silver Bombalai BL: Bronze Lario RR: Rust Rame BF: Beige Futura GK: Gold Karkar BT: Blue Telica
3951	29	136	900	HRTERR		LA: fascio largo wide beam		
4590	34	135	1050	HRTERU				

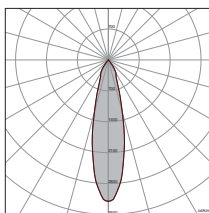


A richiesta | On request

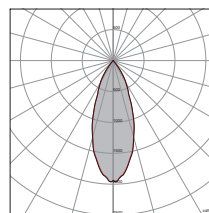
Ottica SP 16°



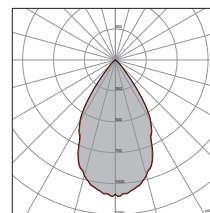
Ottica ST 25°



Ottica MD 38°



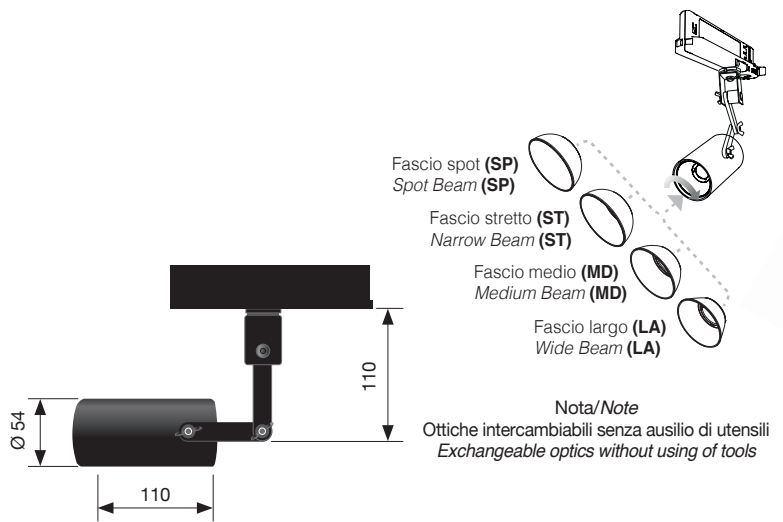
Ottica LA 50°



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8



# MUSE 56 RIKI

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Proiettore LED orientabile a binario con staffa snodabile per gole luminose.  
Adjustable track-mounted LED projector with articulated bracket for cuts of light.  
Projecteur LED orientable monté sur rail avec support articulé pour effets de lumière.  
Proyector LED orientable montado en riel con soporte articulado para cortes de luz.

Corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore di calore verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica in policarbonato metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Completo di staffa snodabile per installazioni in gole luminose. Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario con alimentazione integrata nell'adattatore ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminium body machined from solid, with heatsink function, painted with polyester powders after washing with demineralised water. Metallized aluminium polycarbonate louver wide beam (code LA), medium beam (code MD) narrow beam (code ST) spot beam (code SP). Complete with adjustable bracket for installation in cuts of light. LED light source. Direct light emission. Track mounting system with built-in electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en aluminium extrudé usiné dans la masse avec fonction de dissipateur thermique, peint par poudrage polyester après rinçage en eau déminéralisée. Optique en polycarbonate métallisé, faisceau large (cod. LA), faisceau moyen (cod. MD), faisceau étroit (cod. ST), faisceau spot (cod. SP). Fourni avec étrier articulé pour installations dans les gorges lumineuses. Source lumineuse LED. Émission directe. Système de fixation sur rail avec alimentation intégrée à l'adaptateur ON/OFF. Sur demande : dimmable DALI (cod. DL).

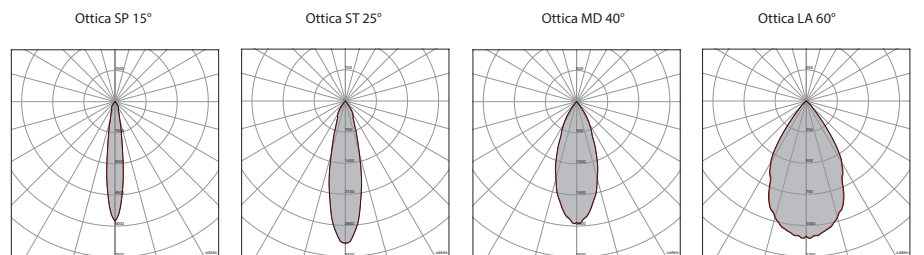
Cuerpo de aluminio extruido mecanizado a partir de sólido con función de Disipador barnizado con polvo de poliéster previamente lavado con agua desmineralizada. Óptica de policarbonato metalizado de haz amplio (cod. LA), haz medio (cod. MD), haz estrecho (cod. ST), haz spot (cod. SP). Incluye soporte articulado para instalaciones en cortes de luz. Fuente de iluminación LED. Emisión directa. Sistema de fijación con carril con alimentación integrada en el adaptador ON/OFF. Bajo pedido: regulable DALI (cod. DL).

5Y WARRANTY 5% FAILURE RATE | 60.000 h LED LIFETIME L70B10 | 100.000 h LED LIFETIME L70B50 | RIPPLE FREE

Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1570	13	120	350	HRM6RE	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
2170	18	120	500	HRM6RH		ST: fascio stretto narrow beam		
2652	22	120	650	HRM6RM		MD: fascio medio medium beam LA: fascio largo wide beam		

CE | >90 CRI | 3SDCM | IP20 EN 60529 | IK 07 EN 60068 | 230 V 2014/35/EU | 50/60 Hz | 850° EN 60695 | DALI | DIM W | IP44 EN 60594

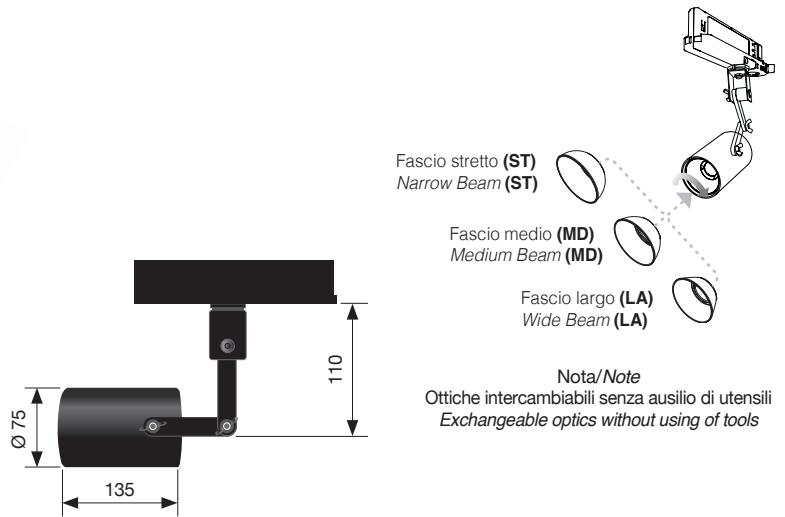
A richiesta | On request



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8



# MUSE 75 IN RIKI

FASCIO/BEAM/FAISCEAU/HAZ ST | MD | LA

Proiettore LED orientabile a binario con staffa snodabile per gole luminose.  
Adjustable track-mounted LED projector with articulated bracket for cuts of light.  
Projecteur LED orientable monté sur rail avec support articulé pour effets de lumière.  
Projector LED orientable montado en riel con soporte articulado para cortes de luz.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica retratta di mm57 in policarbonato lenticolare fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario con staffa snodabile e alimentazione integrata nell'adattatore ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Extruded aluminium body, with heatsink function, painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Retracted optic of 57 mm in lenticular polycarbonate, wide beam (code LA), medium beam (code MD) narrow beam (code ST). LED light source. Direct light emission. Track mounting system with articulated bracket and with built-in electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur en aluminium extrudé. Optique rétractable de 57 mm de polycarbonate lenticulaire, faisceau large (cod. LA), faisceau moyen (cod. MD), faisceau étroit (cod. ST). Source lumineuse LED. Emission directe. Système de fixation sur rail avec support pivotant et alimentation intégrée à l'adaptateur ON/OFF. Sur demande : dimmable DALI (cod. DL).

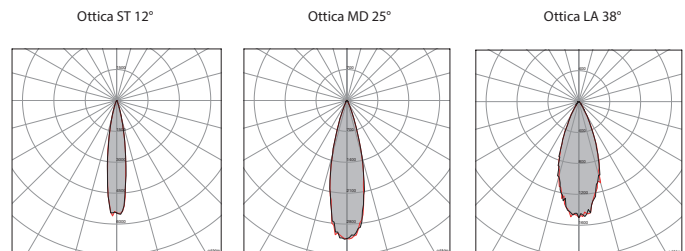
Cuerpo de aluminio extruido recubierto con polvo de poliéster previo lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica retráctil de 57 mm de policarbonato lenticular de haz amplio (cod. LA), haz medio (cod. MD), haz estrecho (cod. ST). Fuente de iluminación LED. Emisión directa. Sistema de fijación con Carril con soporte articulado y alimentación integrada en el adaptador ON/OFF. Opcionalmente, regulable con DALI (cod. DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1570	13	120	350	HRM7RE	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>ST:</b> fascio stretto narrow beam	<b>OF:</b> ON/OFF <b>DL:</b> DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
2170	18	120	500	HRM7RH		<b>MD:</b> fascio medio medium beam		
2652	22	120	650	HRM7RM		<b>LA:</b> fascio largo wide beam		



A richiesta | On request



H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.2	1	0.4	1	0.7
2	0.4	2	0.8	2	1.4
3	0.6	3	1.3	3	2.1
4	0.8	4	1.7	4	2.7
5	1.0	5	2.1	5	3.4

Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90;  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90;  
Watt: system power  
Tolerance ± 10%

MUSE 54 OUT

MUSE 55 LENS OUT

MUSE 55 LENS OUT Q1

MUSE 56 OUT

MUSE 75 IN OUT

SNOPY OUT

SNOPY OUT Q1

SNOPY OUT Q2

SNOPY OUT Q3

SNOPY OUT Q TE1

SNOPY OUT Q TE2

SNOPY OUT Q TE3

Apparecchi LED da incasso estraibili.

*LED extractable recessed downlights.*

*Spots encastrés LED extractibles.*

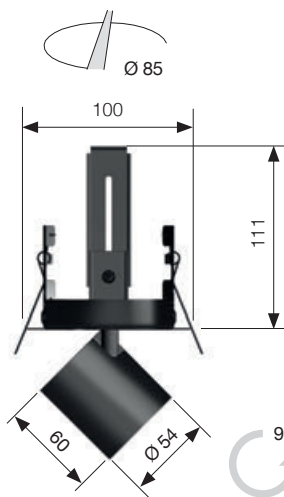
*Downlights LED empotrados extraíbles.*

## INCASSI ESTRAIBILI

*EXTRACTABLE RECESSED  
ENCASTRÉS EXTRACTIBLES  
EMPOTRADOS EXTRAIBLES*







Fascio spot (SP)  
Spot Beam (SP)

Fascio stretto (ST)  
Narrow Beam (ST)

Fascio medio (MD)  
Medium Beam (MD)

Fascio largo (LA)  
Wide Beam (LA)

Nota/Note  
Ottiche intercambiabili senza ausilio di utensili  
Exchangeable optics without using of tools

# MUSE 54 OUT

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Apparecchio LED orientabile con corpo estraibile.  
Adjustable LED downlight with extractable body.  
Spot LED encastré orientable avec corps extractible.  
Downlight LED orientable con cuerpo extraíble.

Proiettore ad incasso estraibile ed orientabile con corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore di calore verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica in policarbonato metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso mediante molle. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Recessed adjustable LED projector with extractable extruded aluminium body, with heatsink function, painted with polyester powders after washing with demineralised water. Metallized aluminium polycarbonate louver wide beam (code LA), medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Projecteur LED encastré, extractible et orientable avec corps usiné dans la masse en aluminium extrudé, avec fonction de dissipateur thermique, peint par poudrage polyester après rinçage en eau déminéralisée. Optique en polycarbonate métallisé, faisceau large (cod. LA), faisceau moyen (cod. MD), faisceau étroit (cod. ST), Source de lumière LED. Emission de lumière directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

Projector LED empotrable y orientable con cuerpo de aluminio extruido mecanizado a partir de sólido con función de disipador recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Óptica de policarbonato metalizado de haz amplio (cod. LA), haz medio (cod. MD), haz estrecho (cod. ST), haz spot (cod. SP) Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado con muelles. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cod.DL).

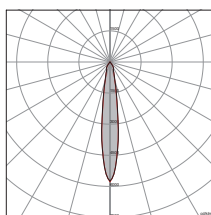


Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1100	9	122	250	HRM50C	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam	OF: ON/OFF DL: DALI	<b>Standard:</b> ● WI: White Irazu ● BLL: Black Lava <b>Su richiesta / On request:</b> ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica
1550	13	119	350	HRM50E		ST: fascio stretto narrow beam		
2150	18,5	116	500	HRM50H		MD: fascio medio medium beam LA: fascio largo wide beam		

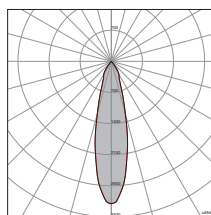


A richiesta | On request

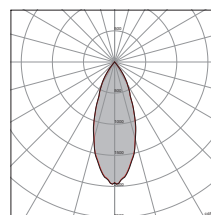
Ottica SP 15°



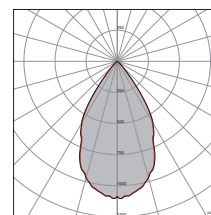
Ottica ST 25°



Ottica MD 40°



Ottica LA 60°



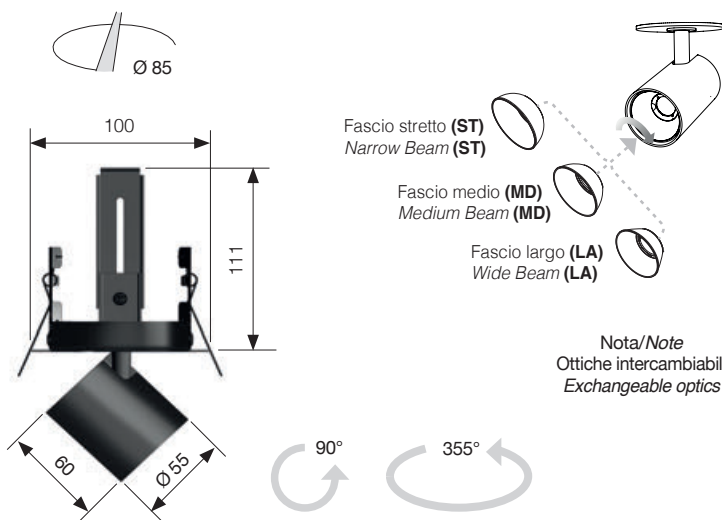
Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8







Nota/Note  
Ottiche intercambiabili  
Exchangeable optics

# MUSE 55 LENS OUT

FASCIO/BEAM/FAISCEAU/HAZ ST | MD | LA

Apparecchio LED orientabile con corpo estraibile.  
Adjustable LED downlight with extractable body.  
Spot LED encastré orientable avec corps extractible.  
Downlight LED orientable con cuerpo extraíble.

Proiettore ad incasso estraibile con corpo in estruso d'alluminio verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in policarbonato lenticolare fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a incasso mediante molle. Alimentazione esterna ON/OFF. A richiesta dimmerabile DALI (cod. DL)

Recessed adjustable projector with extractable extruded aluminium body painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Lenticular polycarbonate louver wide beam (code LA), medium beam (code MD) narrow beam (code ST). LED light source. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Projecteur LED encastré, extractible et orientable avec corps en aluminium extrudé peint par poudre polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique en polycarbonate lenticulaire, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST). Source de lumière LED. Émission de lumière directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande: DALI dimmable (code DL).

Projector LED empotrable y orientable con cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica lenticular de policarbonato de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado con muelles. Alimentación separada ON/OFF. Bajo pedido: regulable DALI (cód. DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1100	9	≤ 122	250	HRM6LOC	WW: 2700 W:3000 X:3500 N:4000	ST: fascio stretto narrow beam	-: ON/OFF DL: DALI	<b>Standard:</b> ● <b>WL:</b> White Irazu ● <b>BLL:</b> Black Lava
1550	13	≤ 119	350	HRM6LOE		MD: fascio medio medium beam		<b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
2150	18,5	≤ 116	500	HRM6LOH		LA: fascio largo wide beam		



A richiesta | On request

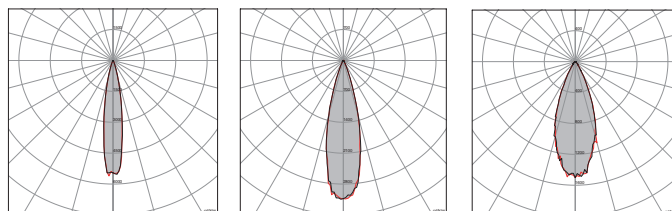
Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI90;  
Variazione flusso con CRI85 + 8%, con CRI95 - 8%.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI90;  
Flux variation with CRI85 + 8%, with CRI95 - 8%.  
Watt: system power  
Tolerance ± 10%

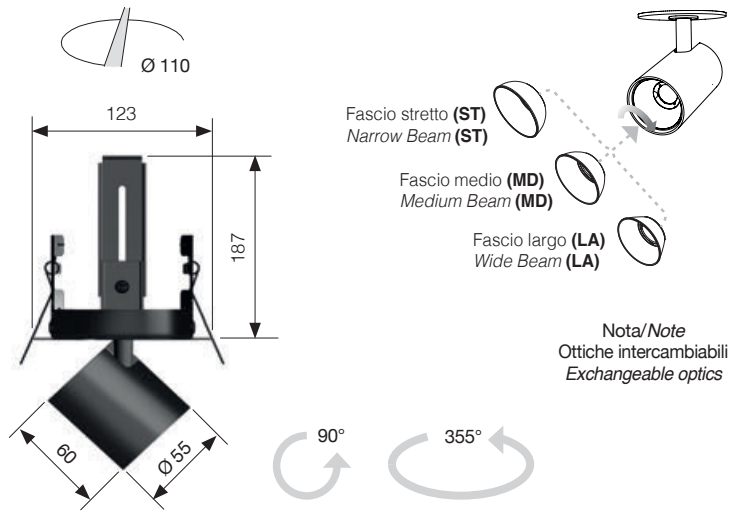
Ottica ST 12°

Ottica MD 25°

Ottica LA 38°



H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.2	1	0.4	1	0.7
2	0.4	2	0.8	2	1.4
3	0.6	3	1.3	3	2.1
4	0.8	4	1.7	4	2.7
5	1.0	5	2.1	5	3.4



# MUSE 55 LENS OUT Q1

FASCIO/BEAM/FAISCEAU/HAZ ST | MD | LA

Apparecchio LED orientabile con corpo estraibile.  
Adjustable LED downlight with extractable body.  
Spot LED encastré orientable avec corps extractible.  
Downlight LED orientable con cuerpo extraíble.

Proiettore ad incasso estraibile con corpo in estruso d'alluminio verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in policarbonato lenticolare fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a incasso mediante molle. Alimentazione esterna ON/OFF. A richiesta dimmerabile DALI (cod. DL)

Recessed adjustable projector with extractable extruded aluminium body painted with polystyrene powders after washing with demineralised water. Extruded aluminium heatsink. Lenticular polycarbonate louver wide beam (code LA), medium beam (code MD) narrow beam (code ST). LED light source. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Projecteur LED encrê, extractible et orientable avec corps en aluminium extrudé peint par poudre polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique en polycarbonate lenticulaire, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST). Source de lumière LED. Emission de lumière directe. Système de fixation encrêtré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande: DALI dimmable (code DL).

Projector LED empotrable y orientable con cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica lenticular de policarbonato de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado con muelles. Alimentación separada ON/OFF. Bajo pedido: regulable DALI (cód. DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1100	9	≤ 122	250	HRM6LOQC	WW: 2700 W:3000 X:3500 N:4000	ST: fascio stretto narrow beam	--: ON/OFF DL: DALI	<b>Standard:</b> ● WI: White Irazu ● BLL: Black Lava
1550	13	≤ 119	350	HRM6LOQE		MD: fascio medio medium beam		<b>Su richiesta / On request:</b> ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica
2150	18,5	≤ 116	500	HRM6LOQH		LA: fascio largo wide beam		

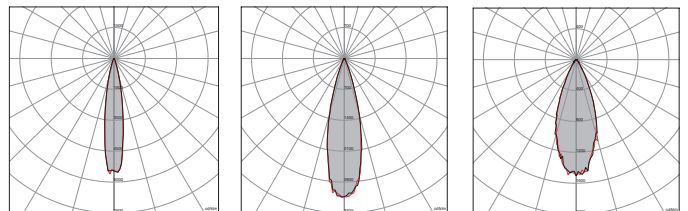


A richiesta | On request

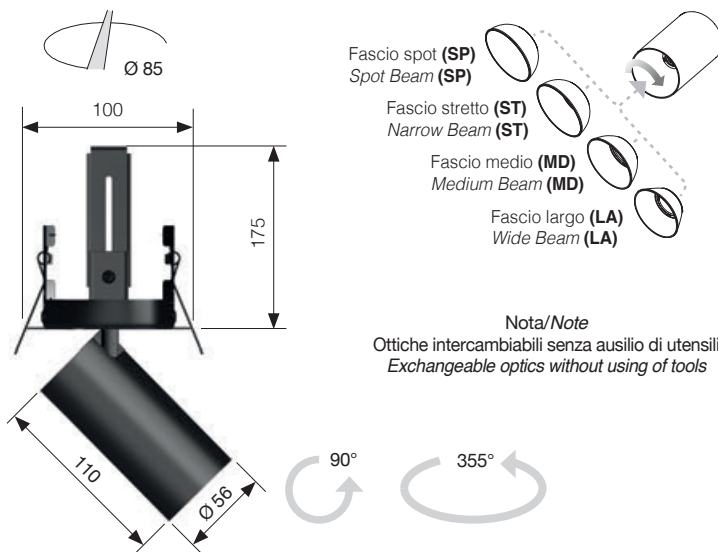
Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI90;  
Variazione flusso con CRI85 + 8%, con CRI95 - 8%.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI90;  
Flux variation with CRI85 + 8%, with CRI95 - 8%.  
Watt: system power  
Tolerance ± 10%

Ottica ST 12°      Ottica MD 25°      Ottica LA 38°



H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.2	1	0.4	1	0.7
2	0.4	2	0.8	2	1.4
3	0.6	3	1.3	3	2.1
4	0.8	4	1.7	4	2.7
5	1.0	5	2.1	5	3.4



# MUSE 56 OUT

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Proiettore LED orientabile con ottiche intercambiabili.  
Adjustable LED projector, exchangeable optics.  
Projecteur LED orientable avec optiques échangeables.  
Proyector LED orientable con ópticas intercambiables.

Proiettore ad incasso estraibile con corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore di calore verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica in policarbonato metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fasciospot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a incasso mediante molle. Alimentazione esterna ON/OFF. A richiesta dimmerabile DALI (cod. DL).

Recessed adjustable projector with extractable extruded aluminium body machined from solid, with heatsink function, painted with polyester powders after washing with demineralised water. Metallized aluminium polycarbonate louver wide beam (code LA), medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Projecteur LED encastré, extractible et orientable avec corps en aluminium extrudé usiné dans la masse avec fonction de dissipateur thermique, peint par poudrage polyester après rinçage en eau déminéralisée. Optique en polycarbonate métallisé, faisceau large (cod. LA), faisceau moyen (cod. MD), faisceau étroit (cod. ST), faisceau spot (cod. SP). Source lumineuse LED. Émission directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande: DALI dimmable (code DL).

Proyector LED empotrable y orientable con cuerpo de aluminio extruido mecanizado a partir de sólido con función de Disipador barnizado con polvo de poliéster previamente lavado con agua desmineralizada. Óptica de policarbonato metalizado de haz amplio (cod. LA), haz medio (cod. MD), haz estrecho (cod. ST), haz spot (cod. SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado con muelles. Alimentación separada ON/OFF. Bajo pedido: regulable DALI (cód. DL).



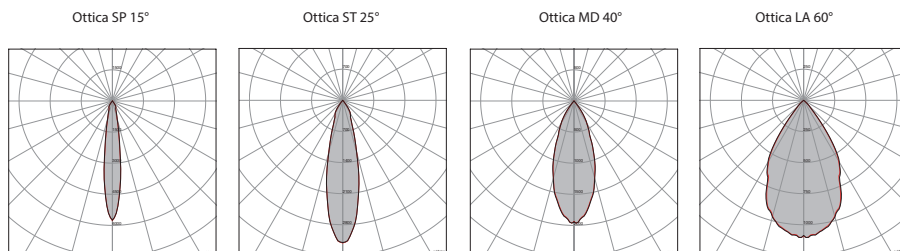
Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1100	9	≤ 122	250	HRM6OC	WW: 2700 W: 3000 X: 3500 N: 4000	SP: fascio spot spot beam	-: ON/OFF  DL: DALI	<b>Standard:</b> ● WI: White Irazu ● BLL: Black Lava <b>Su richiesta / On request:</b> ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica
1550	13	≤ 119	350	HRM6OE		ST: fascio stretto narrow beam		
2150	18,5	≤ 116	500	HRM6OH		MD: fascio medio medium beam		
2950	26	≤ 114	700	HRM6ON		LA: fascio largo wide beam		



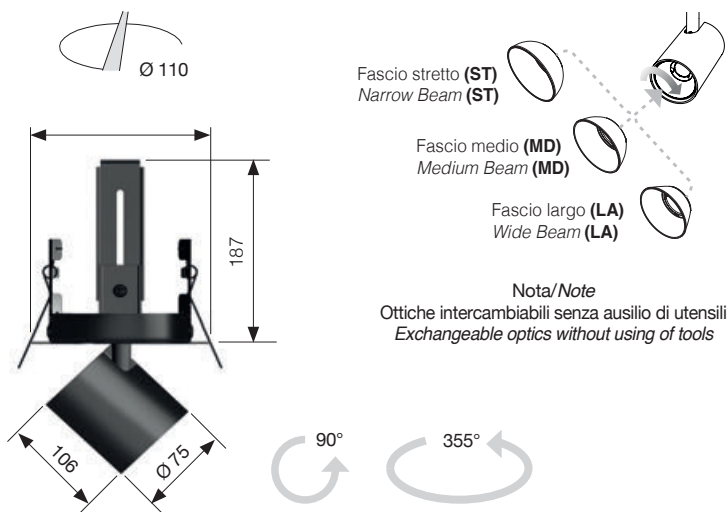
A richiesta | On request

Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI90.  
Variazione flusso con CRI85 + 8%, con CRI95 - 8%.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI90.  
Flux variation with CRI85 + 8%, with CRI95 - 8%.  
Watt: system power  
Tolerance ± 10%



H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8



# MUSE 75 IN OUT

FASCIO/BEAM/FAISCEAU/HAZ ST | MD | LA

Apparecchio LED orientabile con corpo estraibile.  
Adjustable LED downlight with extractable body.  
Spot LED encastré orientable avec corps extractible.  
Downlight LED orientable con cuerpo extraíble.

Proiettore ad incasso estraibile ed orientabile con corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica retratta di mm57 in policarbonato lenticolare fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso mediante molle. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Recessed adjustable LED projector with extractable extruded aluminium body painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Retracted optic of 57 mm in lenticular polycarbonate, wide beam (code LA), medium beam (code MD) narrow beam (code ST). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Projecteur LED encastrable, réglable avec corps en aluminium extrudé extractible peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique rétractée de 57 mm en polycarbonate lenticulaire, faisceau large (code LA), faisceau moyen (code MD) faisceau étroit (code ST). Source de lumière LED. Emission de lumière directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

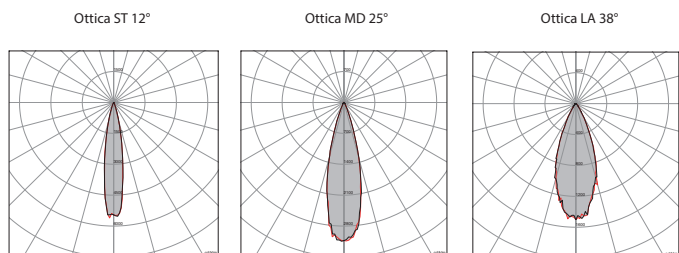
Proyector LED empotrable y orientable con cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica retráctil de 57 mm de policarbonato lenticular, haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado con muelles. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1570	13	120	350	HRM710E	WW: 2700 OW: 3000 OX: 3500 ON: 4000	ST: fascio stretto narrow beam	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
2170	18	120	500	HRM710H		MD: fascio medio medium beam		
2652	22	120	650	HRM710M		LA: fascio largo wide beam		



A richiesta | On request

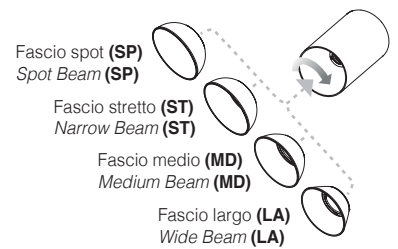
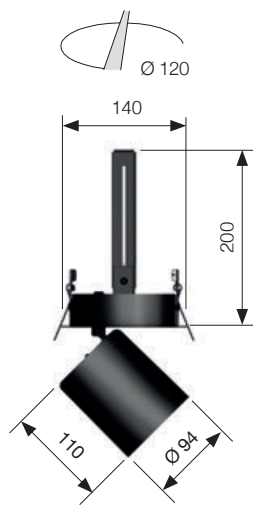


H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.2	1	0.4	1	0.7
2	0.4	2	0.8	2	1.4
3	0.6	3	1.3	3	2.1
4	0.8	4	1.7	4	2.7
5	1.0	5	2.1	5	3.4

Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%





Nota/Note  
Ottiche intercambiabili senza ausilio di utensili  
Exchangeable optics without using of tools



# SNOPY OUT

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Apparecchio LED orientabile con corpo estraibile.  
Adjustable LED downlight with extractable body.  
Spot LED encastré orientable avec corps extractible.  
Downlight LED orientable con cuerpo extraíble.

Proiettore ad incasso estraibile ed orientabile con corpo in alluminio tornito verniciato con polveri poliesteri previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso mediante molle. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Recessed adjustable LED projector with extractable extruded aluminium body, with heatsink function, painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Metallized aluminium optic wide beam (code LA), medium beam (code MD), narrow beam (code ST), spot beam (code SP). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Projecteur LED encastrable, réglable avec corps en aluminium extrudé extractible peint par poudre polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Emission de lumière directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande: DALI dimmable (code DL).

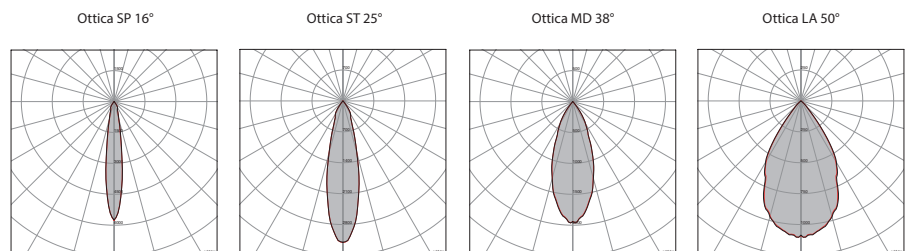
Projector LED empotrable y orientable con cuerpo de aluminio torneado recubierto con polvo de poliéster previamente lavado con agua demineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado con muelles. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
2340	18	130	500	HRSNOH	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam	OF: ON/OFF  DL: DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
2760	22	126	600	HRSNOL		ST: fascio stretto narrow beam		
3080	25,5	121	700	HRSNON		MD: fascio medio medium beam		
3770	33	114	900	HRSNOR		LA: fascio largo wide beam		



A richiesta | On request

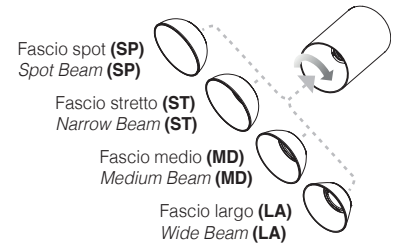
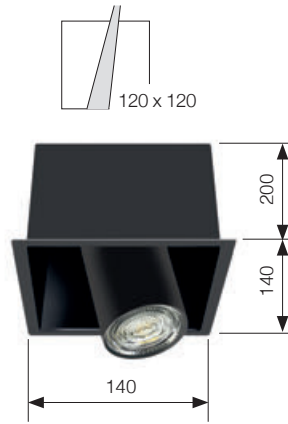


Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8





Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools



# SNOPI OUT Q1

FASCIO/BEAM/FAISCEAU/HAZ SP|ST|MD|LA

Apparecchio LED da incasso con proiettore estraibile e orientabile.  
 Recessed LED downlight with adjustable extractable projector.  
 Spot encastré LED avec projecteur extractible orientable.  
 Downlight LED empotrado con proyector orientable y extraíble.

Corpo in lamiera d'acciaio e proiettore in alluminio tornito estraibile e orientabile verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso mediante molle. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Steel sheet body and turned aluminium extractable and adjustable projector painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Aluminium metallized louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier et projecteur extractible et réglable en aluminium travaillé sur tour, peints avec des poudres de polyester après lavage à l'eau déminéralisée. Dissipateur thermique en aluminium extrudé, optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Émission de lumière directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

Cuerpo de chapa de acero y proyector de aluminio torneado extraíble y orientable recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado TRIM. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
2340	18	130	500	HRSNOQH	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>SP:</b> fascio spot spot beam  <b>ST:</b> fascio stretto narrow beam  <b>MD:</b> fascio medio medium beam  <b>LA:</b> fascio largo wide beam	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
2760	22	126	600	HRSNOQL				
3080	25,5	121	700	HRSNOQN				
3770	33	114	900	HRSNOQR				



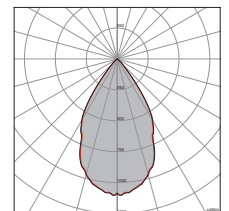
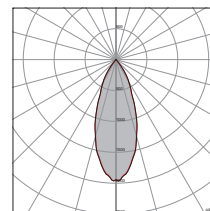
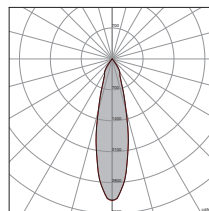
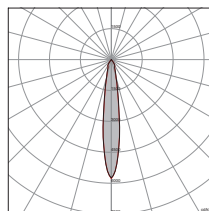
A richiesta | On request

Ottica SP 16°

Ottica ST 25°

Ottica MD 38°

Ottica LA 50°

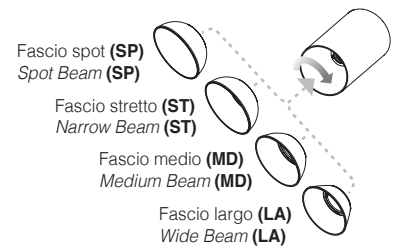
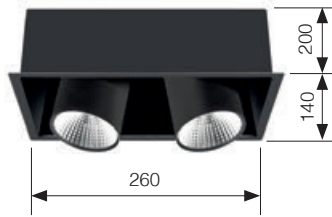
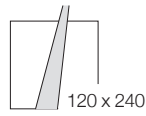


Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8





Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools



# SNOPI OUT Q2

FASCIO/BEAM/FAISCEAU/HAZ SP|ST|MD|LA

Apparecchio LED da incasso con proiettore estraibile e orientabile.  
 Recessed LED downlight with adjustable extractable projector.  
 Spot encastré LED avec projecteur extractible orientable.  
 Downlight LED empotrado con proyector orientable y extraíble.

Corpo in lamiera d'acciaio e proiettore in alluminio tornito estraibile e orientabile verniciato con polveri poliestere, previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso mediante molle. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Steel sheet body and turned aluminium extractable and adjustable projector painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Aluminium metallized lower wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier et projecteur extractible et réglable en aluminium travaillé sur tour, peints avec des poudres de polyester après lavage à l'eau déminéralisée. Dissipateur thermique en aluminium extrudé, optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Émission de lumière directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

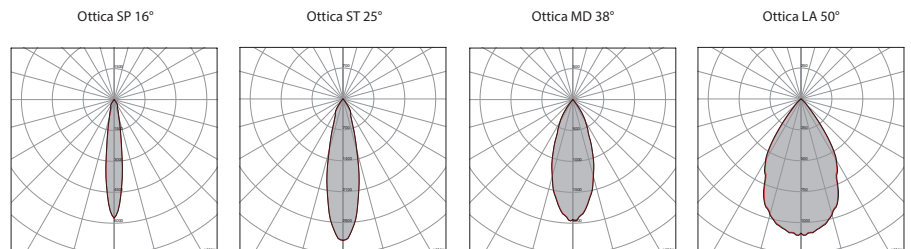
Cuerpo de chapa de acero y proyector de aluminio torneado extraíble y orientable recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado TRIM. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).

**5Y WARRANTY** 5% FAILURE RATE  
**60.000 h** LED LIFETIME L70B10  
**100.000 h** LED LIFETIME L70B50  
**RIPPLE FREE**

Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
4680	2x18	130	500	HRS2OQH	WW: 2700 OW: 3000 OX: 3500 ON: 4000	<b>SP:</b> fascio spot spot beam  <b>ST:</b> fascio stretto narrow beam  <b>MD:</b> fascio medio medium beam  <b>LA:</b> fascio largo wide beam	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b> ● <b>W1:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
5520	2x22	126	600	HRS2OQL				
6160	2x25,5	121	700	HRS2OQN				
7540	2x33	114	900	HRS2OQR				

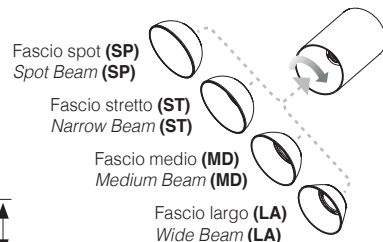
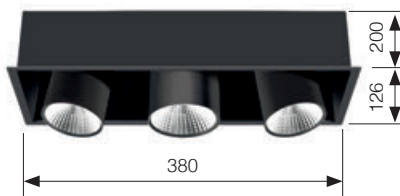
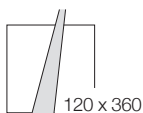
CE, >90 CRI, 3SDCM, IP20, IK 07, 230 V, 50/60 Hz, 850°, DALI, RG 0, IP44, DALI, DIM W, FNO 700mA

A richiesta | On request



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%  
  
 Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8



Nota/Note  
Ottiche intercambiabili senza ausilio di utensili  
Exchangeable optics without using of tools



# SNOOPY OUT Q3

FASCIO/BEAM/FAISCEAU/HAZ SP|ST|MD|LA

Apparecchio LED da incasso con proiettore estraibile e orientabile.  
Recessed LED downlight with adjustable extractable projector.  
Spot encastré LED avec projecteur extractible orientable.  
Downlight LED empotrado con proyector orientable y extraíble.

Corpo in lamiera d'acciaio e proiettore in alluminio tornito estraibile e orientabile verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso mediante molle. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Steel sheet body and turned aluminium extractable and adjustable projector painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Aluminium metallized louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier et projecteur extractible et réglable en aluminium travaillé sur tour, peints avec des poudres de polyester après lavage à l'eau déminéralisée. Dissipateur thermique en aluminium extrudé, optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Émission de lumière directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

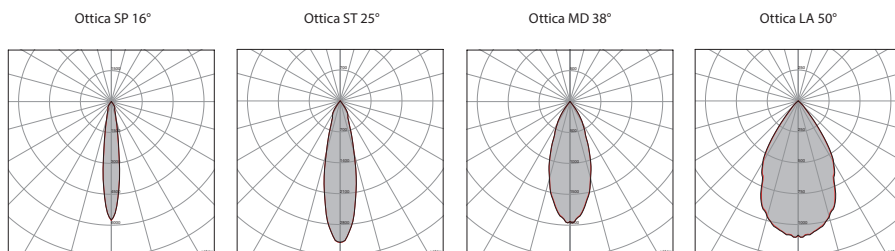
Cuerpo de chapa de acero y proyector de aluminio torneado extraíble y orientable recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado TRIM. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
7020	3x18	130	500	HRS30QH	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam	OF: ON/OFF  DL: DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
8280	3x22	126	600	HRS30QL		ST: fascio stretto narrow beam		
9240	3x25,5	121	700	HRS30QN		MD: fascio medio medium beam		
11310	3x33	114	900	HRS30QR		LA: fascio largo wide beam		



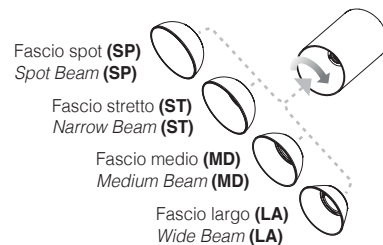
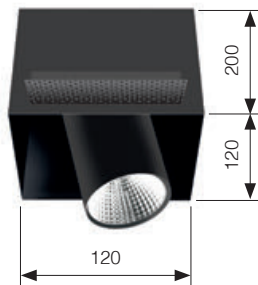
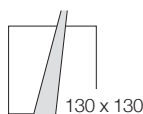
A richiesta | On request



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8



Nota/Note  
Ottiche intercambiabili senza ausilio di utensili  
Exchangeable optics without using of tools



# SNOPI OUT Q TE1

FASCIO/BEAM/FAISCEAU/HAZ SP|ST|MD|LA

Apparecchio LED da incasso trimless con corpo estraibile e orientabile.  
Trimless recessed LED downlight with adjustable extractable projector.  
Spot encastré LED trimless avec projecteur extractible orientable.  
Downlight LED empotrado sin marco con projector orientable y extraíble.

Corpo in lamiera d'acciaio e proiettore in alluminio tornito estraibile e orientabile verniciato con polveri poliesteri previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso trimless. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Steel sheet body and turned aluminium extractable and adjustable projector painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Aluminium metallized lower wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Trimless recessed fixing system. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier et projecteur extractible et réglable en aluminium travaillé sur tour, peints avec des poussières de polyester après lavage à l'eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Émission de lumière directe. Système de fixation encastré trimless. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

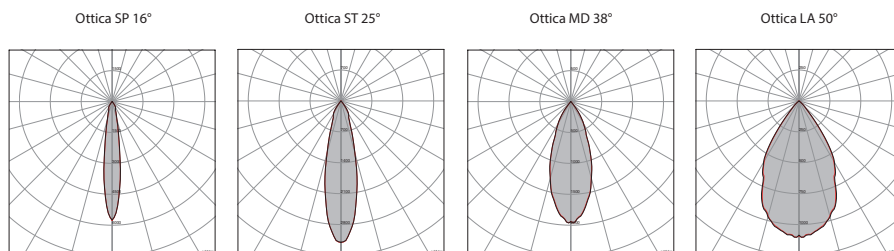
Cuerpo de chapa de acero y proyector de aluminio torneado extraíble y orientable recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado sin marco. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
2340	18	130	500	HRSQTEH	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>SP:</b> fascio spot spot beam	<b>ON:</b> ON/OFF <b>DL:</b> DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BR:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
2760	22	126	600	HRSQTEL		<b>ST:</b> fascio stretto narrow beam		
3080	25,5	121	700	HRSQTEN		<b>MD:</b> fascio medio medium beam		
3770	33	114	900	HRSQTER		<b>LA:</b> fascio largo wide beam		



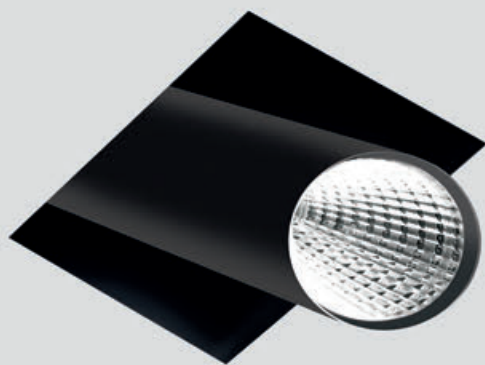
A richiesta | On request

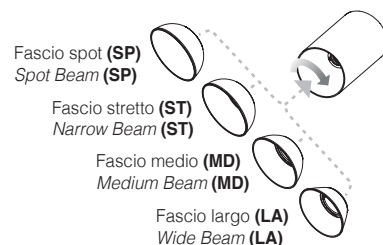
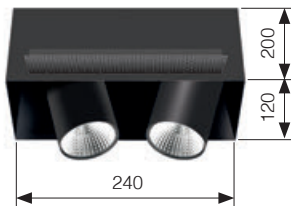
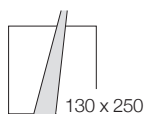


Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90;  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90;  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8





Nota/Note  
Ottiche intercambiabili senza ausilio di utensili  
Exchangeable optics without using of tools



# SNOPY OUT Q TE2

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Apparecchio LED da incasso trimless con corpo estraibile e orientabile.  
Trimless recessed LED downlight with adjustable extractable projector.  
Spot encastré LED trimless avec projecteur extractible orientable.  
Downlight LED empotrado sin marco con projector orientable y extraíble.

Corpo in lamiera d'acciaio e proiettore in alluminio tornito estraibile e orientabile verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso trimless. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Steel sheet body and turned aluminium extractable and adjustable projector painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Aluminium metallized louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Trimless recessed fixing system. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier et projecteur extractible et réglable en aluminium travaillé sur tour, peints avec des poudres de polyester après lavage à l'eau déminéralisée. Dissipateur thermique en aluminium extrudé. optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Emission de lumière directe. Système de fixation encastré trimless. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

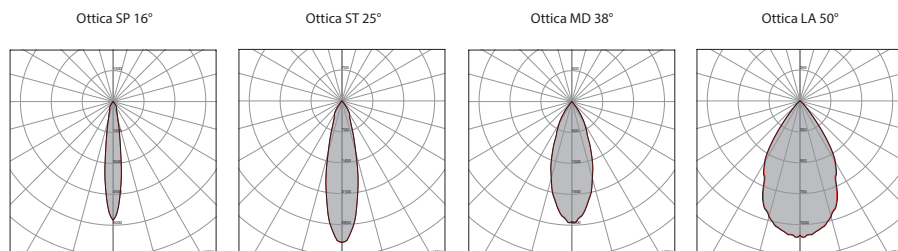
Cuerpo de chapa de acero y proyector de aluminio torneado extraíble y orientable recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado sin marco. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
4680	2x18	130	500	HRS2QTEH	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>SP:</b> fascio spot spot beam	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b> ● <b>WL:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
5520	2x22	126	600	HRS2QTEL		<b>ST:</b> fascio stretto narrow beam		
6160	2x25,5	121	700	HRS2QTEN		<b>MD:</b> fascio medio medium beam		
7540	2x33	114	900	HRS2QTER		<b>LA:</b> fascio largo wide beam		



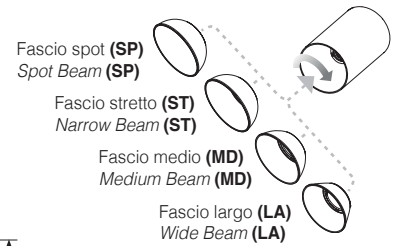
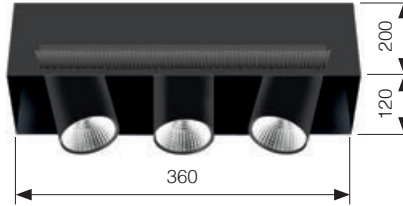
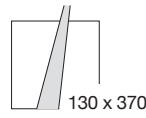
A richiesta | On request



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8



Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools



# SNOPY OUT Q TE3

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Apparecchio LED da incasso trimless con corpo estraibile e orientabile.  
 Trimless recessed LED downlight with adjustable extractable projector.  
 Spot encastré LED trimless avec projecteur extractible orientable.  
 Downlight LED empotrado sin marco con proyector orientable y extraíble.

Corpo in lamiera d'acciaio e proiettore in alluminio tornito estraibile e orientabile verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in alluminio metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso trimless. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Steel sheet body and turned aluminium extractable and adjustable projector painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Aluminium metallized louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Trimless recessed fixing system. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier et projecteur extractible et réglable en aluminium travaillé sur tour, peints avec des poudres de polyester après lavage à l'eau déminéralisée. Dissipateur thermique en aluminium extrudé. optique en aluminium métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Émission de lumière directe. Système de fixation encastré trimless. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

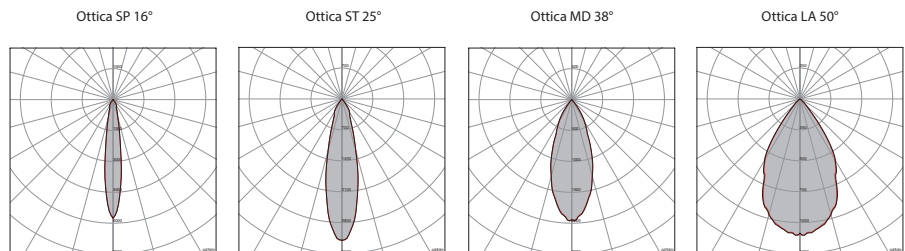
Cuerpo de chapa de acero y proyector de aluminio torneado extraíble y orientable recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de aluminio metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado sin marco. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
7020	3x18	130	500	HRS3QTEH	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>SP:</b> fascio spot spot beam <b>ST:</b> fascio stretto narrow beam <b>MD:</b> fascio medio medium beam <b>LA:</b> fascio largo wide beam	<b>OF:</b> ON/OFF <b>DL:</b> DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
8280	3x22	126	600	HRS3QTEL				
9240	3x25,5	121	700	HRS3QTEN				
11310	3x33	114	900	HRS3QTER				



A richiesta | On request



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8

MINI ALL 4 CUT/OFF

MINI ALL 7 CUT/OFF

MINI ALL 14 CUT/OFF

Apparecchi LED da incasso.

*Recessed LED fixture.*

*Luminaire LED encastré.*

*Accesorio LED empotrado.*

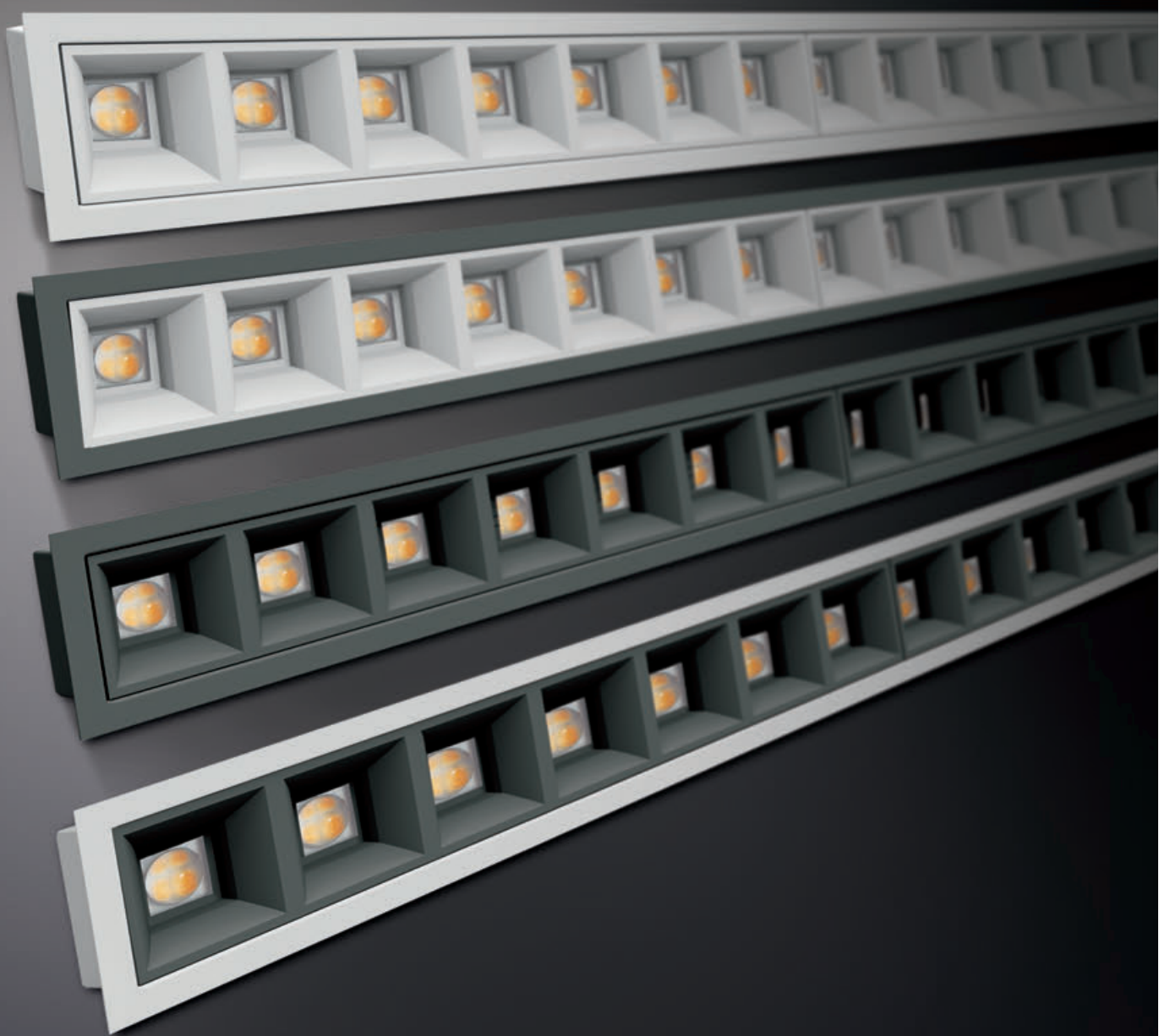
## INCASSI FISSI

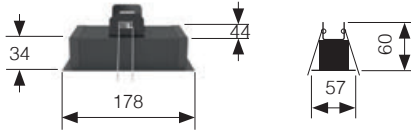
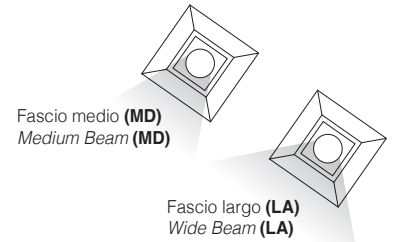
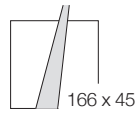
RECESSED  
ENCASTRE  
EMPOTRADO











# MINI ALL 4 CUT/OFF

Apparecchio LED da incasso 4 luci.  
 Recessed 4 lights LED fixture.  
 Luminaire LED encastré 4 spots.  
 Accesorio LED empotrado de 4 luces.

Corpo in lamiera d'acciaio pressopiegato verniciato con polveri poliestere previo lavaggio con acqua demineralizzata, con funzione di dissipatore. Gruppo ottico in PMMA ad alto rendimento (sistema di microriflettori) fascio medio (cod. MD) fascio largo (cod. LA). Cover ottica per controllo UGR bianca (cod. B) nera (cod. N). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso mediante molle. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Bent steel sheet body painted with poliestere powders after washing with demineralised water, with heatsink function. High performance PMMA optic group (micro reflector system) wide beam (code LA) medium beam (code MD). UGR control optic cover white (code B) black (code N). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier pliée, peint par poudrage polyester après rinçage en eau déminéralisée, avec fonction de dissipateur thermique. Groupe optique en PMMA haute performance (système de micro réflecteurs), faisceau large (code LA), faisceau moyen (code MD). Couverture optique pour contrôle UGR blanche (code B), noire (code N). Source de lumière LED. Emission de lumière directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

Cuerpo de chapa de acero plegada y recubierta con polvo de poliéster previamente lavado con agua desmineralizada, con función de disipador. Grupo óptico de alto rendimiento de PMMA (sistema de microreflectores) de haz medio (cód.MD), haz amplio (cód.LA). Cover óptica para control UGR, blanca (cód.B) o negra (cód.N). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado con muelles. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).

5Y WARRANTY 5% FAILURE RATE | 60.000 h LED LIFETIME L90B10 | 100.000 h LED LIFETIME L70B50 | RIPPLE FREE

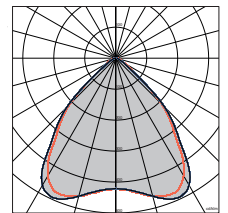
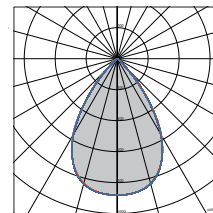
Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Ottica* Optic*	Alimentazione power Supply	Colore Colour
338	2,5	135	100	HRMC4T	WW: 2700 OW: 3000 OX: 3500 ON: 4000	MD: fascio medio medium beam  LA: fascio largo wide beam	* Colore Color  B: bianco white  N: nero black	OF: ON/OFF  DL: DALI	<b>Standard:</b> ● WI: White Irazu ● BLL: Black Lava  <b>Su richiesta / On request:</b> ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica
460	3,4	135	150	HRMC4S					
616	4,6	134	200	HRMC4B					
778	5,8	134	250	HRMC4C					
1040	8,5	122	350	HRMC4E					

CE | >90 CRI | 3SDCM | IP44 EN 60529 | IK 07 EN 60068 | 230 V 2014/35/EU | 50/60 Hz | 850° EN 60895 | DALI | RG 0 EN 62471 | 19 UGR | DALI

A richiesta | On request

Ottica MD 68°

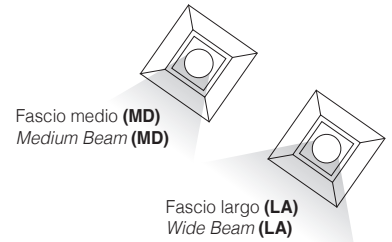
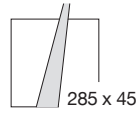
Ottica LA 90°



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)
1	1.3	1	1.9
2	2.7	2	3.7
3	4.0	3	5.6
4	5.4	4	7.5
5	5.8	5	9



# MINI ALL 7 CUT/OFF

Apparecchio LED da incasso 7 luci.  
 Recessed 7 lights LED fixture.  
 Luminaire LED encastré 7 spots.  
 Accesorio LED empotrado de 7 luces.

Corpo in lamiera d'acciaio pressopiegato verniciato con polveri poliestere previo lavaggio con acqua demineralizzata, con funzione di dissipatore. Gruppo ottico in PMMA ad alto rendimento (sistema di microriflettori) fascio medio (cod. MD) fascio largo (cod. LA). Cover ottica per controllo UGR bianca (cod. B) nera (cod. N). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso mediante molle. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Bent steel sheet body painted with poliestere powders after washing with demineralised water, with heatsink function. High performance PMMA optic group (micro reflector system) wide beam (code LA) medium beam (code MD). UGR control optic cover white (code B) black (code N). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier pliée, peint par poudrage polyester après rinçage en eau déminéralisée, avec fonction de dissipateur thermique. Groupe optique en PMMA haute performance (système de micro réflecteurs), faisceau large (code LA), faisceau moyen (code MD). Couverture optique pour contrôle UGR blanche (code B), noire (code N). Source de lumière LED. Émission de lumière directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

Cuerpo de chapa de acero plegada y recubierta con polvo de poliéster previamente lavado con agua desmineralizada, con función de disipador. Grupo óptico de alto rendimiento de PMMA (sistema de microreflectores) de haz medio (cód.MD), haz amplio (cód.LA). Cover óptica para control UGR, blanca (cód.B) o negra (cód.N). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado con muelles. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).

**5Y WARRANTY**  
 5% FAILURE RATE

**60.000 h**  
 LED LIFETIME L90B10

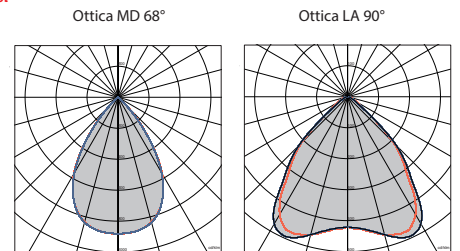
**100.000 h**  
 LED LIFETIME L70B50

**RIPPLE FREE**

Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Optica* Optic*	Alimentazione power Supply	Colore Colour
540	4,0	135	100	HRMC7T	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>MD:</b> fascio medio medium beam  <b>LA:</b> fascio largo wide beam	* Colore Color  <b>B:</b> bianco white  <b>N:</b> nero black	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b>  ● <b>W1:</b> White Irazu ● <b>BLL:</b> Black Lava  <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
810	6,0	135	150	HRMC7S					
1075	8,0	134	200	HRMC7B					
1350	10	134	250	HRMC7C					
1850	15	122	350	HRMC7E					

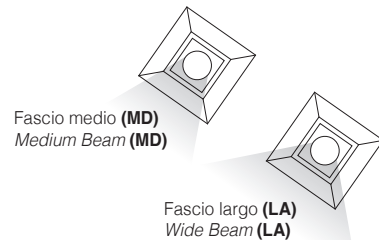
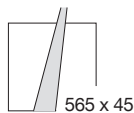
CE, >90 CRI, 3SDCM, IP44, IK 07, 230 V, 50/60 Hz, 850°, DALI, RG 0, 19 UGR, DL DALI

A richiesta | On request



H (m)	Ø (m)	H (m)	Ø (m)
1	1.3	1	1.9
2	2.7	2	3.7
3	4.0	3	5.6
4	5.4	4	7.5
5	5.8	5	9

Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%  
  
 Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%



# MINI ALL 14 CUT/OFF

Apparecchio LED da incasso 14 luci.  
 Recessed 14 lights LED fixture.  
 Luminaire LED encastré 14 spots.  
 Accesorio LED empotrado de 14 luces.

Corpo in lamiera d'acciaio pressopiegato verniciato con polveri poliestere previo lavaggio con acqua demineralizzata, con funzione di dissipatore. Gruppo ottico in PMMA ad alto rendimento (sistema di microriflettori) fascio medio (cod. MD) fascio largo (cod. LA). Cover ottica per controllo UGR bianca (cod. B) nera (cod. N). Sorgente luminosa LED. Emissione diretta. Fissaggio ad incasso mediante molle. Alimentazione elettronica separata ON/OFF. A richiesta: dimmerabile DALI (cod. DL).

Bent steel sheet body painted with polystere powders after washing with demineralised water, with heatsink function. High performance PMMA optic group (micro reflector system) wide beam (code LA) medium beam (code MD). UGR control optic cover white (code B) black (code N). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL).

Corps en tôle d'acier pliée, peint par poudrage polyester après rinçage en eau déminéralisée, avec fonction de dissipateur thermique. Groupe optique en PMMA haute performance (système de micro réflecteurs), faisceau large (code LA), faisceau moyen (code MD). Couverture optique pour contrôle UGR blanche (code B), noire (code N). Source de lumière LED. Émission de lumière directe. Système de fixation encastré avec ressorts. Alimentation électronique séparée ON/OFF. Sur demande : DALI dimmable (code DL).

Cuerpo de chapa de acero plegada y recubierta con polvo de poliéster previamente lavado con agua desmineralizada, con función de disipador. Grupo óptico de alto rendimiento de PMMA (sistema de microreflectores) de haz medio (cód.MD), haz amplio (cód.LA). Cover óptica para control UGR, blanca (cód.B) o negra (cód.N). Fuente de iluminación LED. Emisión directa. Sistema de fijación empotrado con muelles. Alimentación electrónica separada ON/OFF. Bajo pedido: regulable DALI (cód.DL).



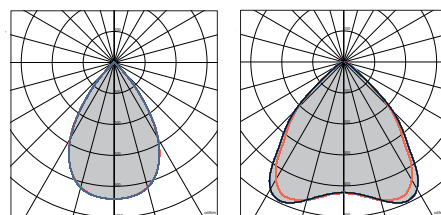
Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Ottica* Optic*	Alimentazione power Supply	Colore Colour
1012	7,5	135	200	HRMC14B	WW: 2700 OW: 3000 OX: 3500 ON: 4000	MD: fascio medio medium beam LA: fascio largo wide beam	* Colore Color B: bianco white N: nero black	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
1550	11,5	135	300	HRMC14D					
2080	15,5	134	400	HRMC14F					
2680	20,0	134	500	HRMC14H					
3540	29,0	122	700	HRMC14N					



A richiesta | On request

Ottica MD 68°

Ottica LA 90°



H (m)	Ø (m)	H (m)	Ø (m)
1	1.3	1	1.9
2	2.7	2	3.7
3	4.0	3	5.6
4	5.4	4	7.5
5	5.8	5	9

Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

MUSE 55 LV

MUSE 55 LENS LV

MUSE 56 LV

MUSE 75 IN LV

MUSE 45 LV

MUSE 35 LV

TUBÌ S LV

VIKI 55 LV

DECOR MINI LV

Apparecchi LED con attacco a binario 48 Volt

*LED lightin fitting with track connection 48 Volt.*

*Luminaire LED avec connexion sur rail 48 Volt.*

*Luminaria LED con conexión a riel de 48 voltios.*



## APPARECCHI A BINARIO

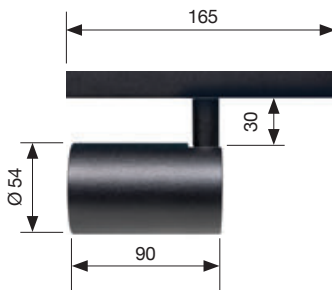
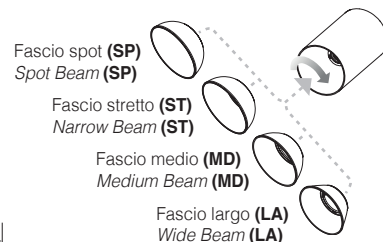
TRACK LIGHTING FITTINGS

LUMINAIRE SUR RAIL

LUMINARIA A RIEL







Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools

# MUSE 55 LV

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Proiettore LED orientabile 48 Volt a binario.  
 Track mounted adjustable LED projector 48 Volt.  
 Projecteur LED orientable monté sur rail 48 Volt.  
 Projector LED orientable montado en riel de 48 voltios.

Corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore, verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica in policarbonato metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario. Alimentazione 48 Volt ON/OFF esterna. A richiesta: dimmerabile DALI (cod. DL). Alimentatore non incluso, da ordinare separatamente.(vedi pag. binari 48 Volt).

Extruded aluminium body machined from solid, with heatsink function, painted with polyesterpowders after washing with demineralised water. Metallized polycarbonate louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Track mounting system. Separate electronic driver 48 Volt ON/OFF. On request: dimmable DALI (code DL). Driver not included, to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé usiné dans la masse, avec fonction de dissipateur thermique, peint par poudrage polyester après rinçage en eau déminéralisée. optique en polycarbonate métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Emission de lumière directe. Système de montage sur rail. Alimentation externe 48 volts ON/OFF. Sur demande, dimmable DALI (cod. DL). Alimentation non fournie, à commander séparément (voir page Track 48 Volt).

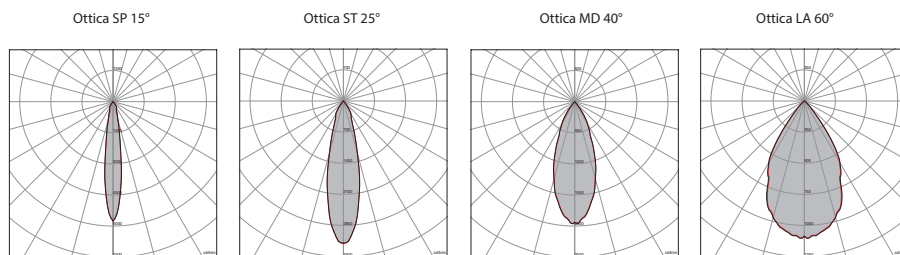
Cuerpo de aluminio extruido mecanizado a partir de sólido con función de disipador recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Óptica de policarbonato metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación en carril. Alimentación externa de 48 V ON/OFF. Bajo pedido; regulable DALI (cod.DL). Fuente de alimentación no incluida, a pedir por separado (ver página de carriles 48V).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1100	9	122	250	HRM5LVC	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>OX:</b> 3500 <b>ON:</b> 4000	<b>SP:</b> fascio spot spot beam <b>ST:</b> fascio stretto narrow beam <b>MD:</b> fascio medio medium beam <b>LA:</b> fascio largo wide beam	<b>OF:</b> ON/OFF  <b>DL:</b> DALI	<b>Standard:</b> ● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
1550	13	119	350	HRM5LVE				
2150	18,5	116	500	HRM5LVH				



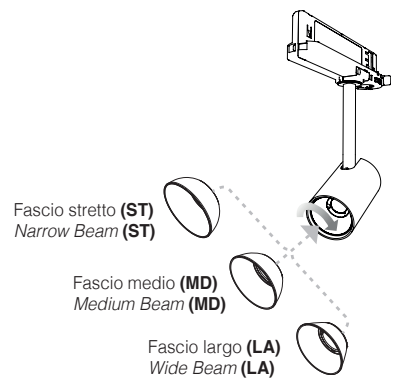
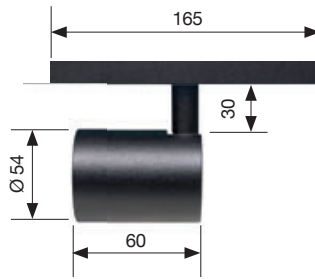
A richiesta / On request



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8



Nota/Note  
Ottiche intercambiabili  
Exchangeable optics

# MUSE 55 LENS LV

FASCIO/BEAM/FAISCEAU/HAZ | ST | MD | LA

Proiettore LED orientabile 48 Volt a binario.  
Track mounted adjustable LED projector 48 Volt.  
Projecteur LED orientable monté sur rail 48 Volt.  
Proyector LED orientable montado en riel de 48 voltios.

Corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore, verniciato con poliestereprevio lavaggio con acqua demineralizzata. Ottica in policarbonato lenticolare fascio largo (cod. LA) fascio medio (cod. MD), fascio stretto (cod. ST). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario. Alimentatore remoto a binario 48 Volt da ordinare separatamente.(vedi pag. binari 48 Volt).

Extruded aluminium body machined from solid, with heatsink function, painted with polyesterpowders after washing with demineralised water. Lenticular polycarbonate louver wide beam (code LA) medium beam (code MD), narrow beam (code ST). LED light source. Direct light emission. Track mounting system. Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé usiné dans la masse, avec fonction de dissipateur thermique, peint par poudrage polyester après rinçage en eau déminéralisée. Optique lenticulaire en polycarbonate, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST). Source de lumière LED. Émission de lumière directe. Système de montage sur rail. Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

Cuerpo de aluminio extruido mecanizado a partir de sólido, con función de disipador, recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Lente lenticular de policarbonato, haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST). Fuente de iluminación LED. Emisión directa. Sistema de fijación en carril. Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).

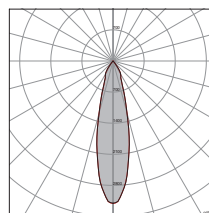


Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1100	9	122	250	HRM5LLVC	WW: 2700 OW:3000 OX:3500 ON:4000	ST: fascio stretto narrow beam	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>W1:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
1550	13	119	350	HRM5LLVE		MD: fascio medio medium beam		
2150	18,5	116	500	HRM5LLVH		LA: fascio largo wide beam		

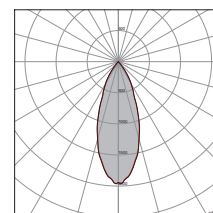


A richiesta | On request

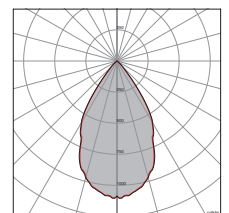
Ottica ST 25°



Ottica MD 40°



Ottica LA 60°



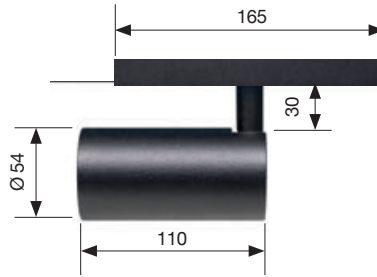
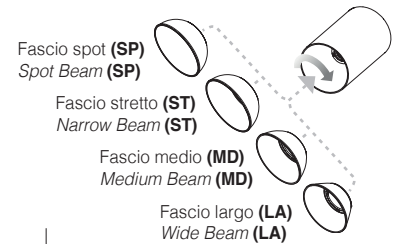
Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.4	1	0.7	1	1.1
2	0.9	2	1.5	2	2.3
3	1.3	3	2.2	3	3.5
4	1.8	4	2.9	4	4.6
5	2.2	5	3.6	5	5.8







**Nota/Note**  
Ottiche intercambiabili senza ausilio di utensili  
Exchangeable optics without using of tools

# MUSE 56 LV

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Proiettore LED orientabile 48 Volt a binario.  
Track mounted adjustable LED projector 48 Volt.  
Projecteur LED orientable monté sur rail 48 Volt.  
Projector LED orientable montado en riel de 48 voltios.

Corpo in estruso d'alluminio lavorato dal pieno con funzione di dissipatore, verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica in policarbonato metallizzato fascio largo (cod. LA) fascio medio (cod. MD) fascio stretto (cod. ST) spot beam (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario. Alimentatore remoto a binario 48 Volt da ordinare separatamente (vedi pag. binari 48 Volt).

Extruded aluminium body machined from solid, with heatsink function, painted with polyester powders after washing with demineralised water. Metallized polycarbonate louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Track mounting system. Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé usiné dans la masse, avec fonction de dissipateur thermique, peint par poudrage polyester après rinçage en eau déminéralisée. Optique en polycarbonate métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Emission de lumière directe. Système de montage sur rail. Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

Cuerpo de aluminio extruido mecanizado a partir de sólido, con función de disipador recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Óptica de policarbonato metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación en carril. Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1100	9	122	250	HRM6LVC	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam	OF: ON/OFF DL: DALI	<b>Standard:</b>
1550	13	119	350	HRM6LVE		ST: fascio stretto narrow beam		● <b>WL:</b> White Irazu ● <b>BLL:</b> Black Lava
2150	18,5	116	500	HRM6LVH		MD: fascio medio medium beam LA: fascio largo wide beam		<b>Su richiesta / On request:</b>
								● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica



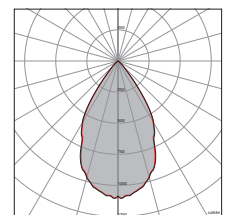
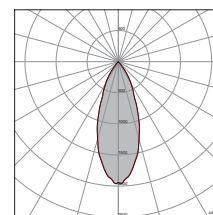
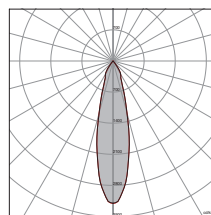
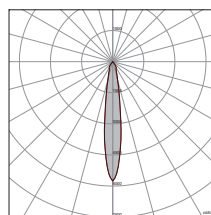
A richiesta | On request

Ottica SP 15°

Ottica ST 25°

Ottica MD 40°

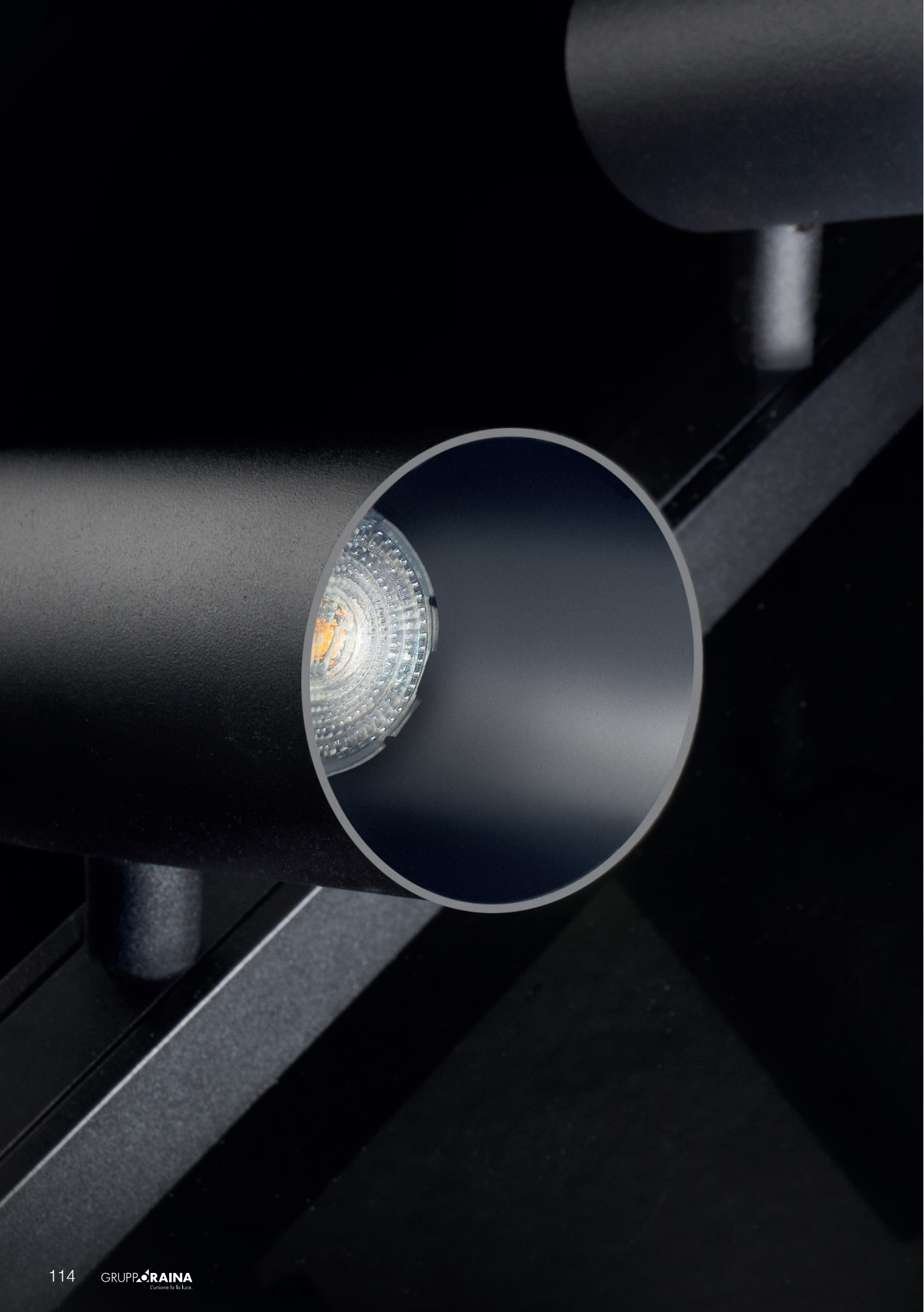
Ottica LA 60°

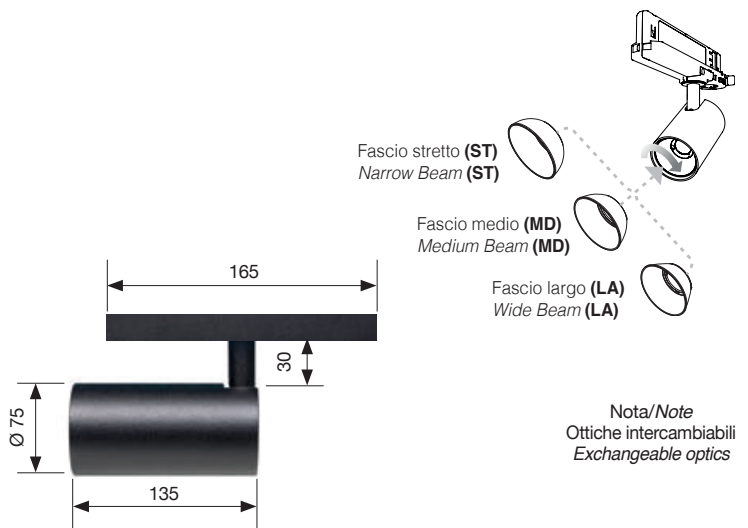


Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8





Nota/Note  
 Ottiche intercambiabili  
 Exchangeable optics

# MUSE 75 IN LV

FASCIO/BEAM/FAISCEAU/HAZ | ST | MD | LA

Proiettore LED orientabile 48 Volt a binario.  
 Track mounted adjustable LED projector 48 Volt.  
 Projecteur LED orientable monté sur rail 48 Volt.  
 Projector LED orientable montado en riel de 48 voltios.

Corpo in estruso d'alluminio verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica retratta di mm57 in policarbonato lenticolare fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario. Alimentatore remoto a binario 48 Volt da ordinare separatamente.(vedi pag. binari 48 Volt).

Extruded aluminium body painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Retracted optic of 57 mm in lenticular polycarbonate, wide beam (code LA), medium beam (code MD) narrow beam (code ST). LED light source. Direct light emission. Track mounting system. Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique rétractée de 57 mm en polycarbonate lenticulaire, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST). Source de lumière LED. Emission directe. Système de montage sur rail. Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

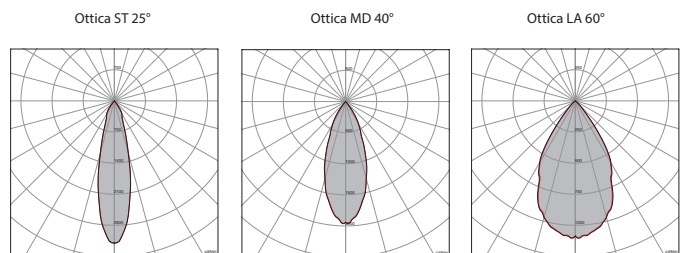
Cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica retráctil de 57 mm de policarbonato lenticular de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST). Fuente de iluminación LED. Emisión directa. Sistema de fijación en carril. Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
1550	13	122	350	HRM7LVE	WW: 2700 OW: 3000 OX: 3500 ON: 4000	ST: fascio stretto narrow beam	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>WL:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Larlo ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica
2150	18,5	119	500	HRM7LVH		MD: fascio medio medium beam		
2550	22	116	650	HRM7LVM		LA: fascio largo wide beam		



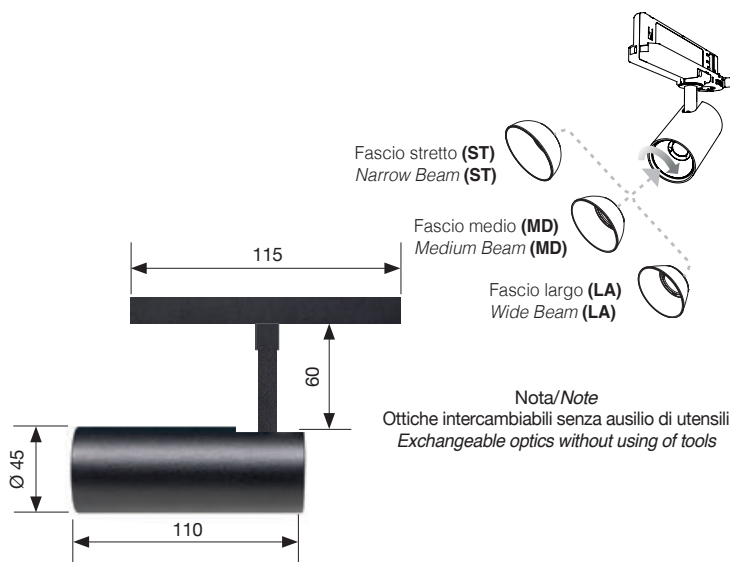
A richiesta | On request



H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.4	1	0.7	1	1.1
2	0.9	2	1.5	2	2.3
3	1.3	3	2.2	3	3.5
4	1.8	4	2.9	4	4.6
5	2.2	5	3.6	5	5.8

Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%



# MUSE 45 LV

FASCIO/BEAM/FAISCEAU/HAZ ST | MD | LA

Proiettore LED orientabile 48 Volt a binario.  
Track mounted adjustable LED projector 48 Volt.  
Projecteur LED orientable monté sur rail 48 Volt.  
Proyector LED orientable montado en riel de 48 voltios.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica retratta di mm57 in policarbonato lenticolare fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario. Alimentatore remoto a binario 48 Volt da ordinare separatamente. (vedi pag. binari 48 Volt).

Extruded aluminium body, with heatsink function, painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Retracted optic of 57 mm in lenticular polycarbonate, wide beam (code LA), medium beam (code MD) narrow beam (code ST). LED light source. Direct light emission. Track mounting system. Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé, avec fonction de dissipateur thermique, peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique rétractée de 57 mm en polycarbonate lenticulaire, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST). Source de lumière LED. Émission de lumière directe. Système de montage sur rail. Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

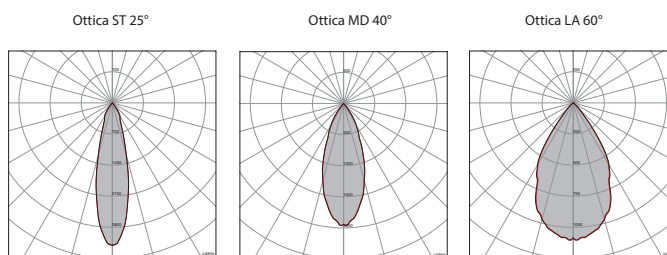
Cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica retráctil de 57 mm de policarbonato lenticular de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST). Fuente de iluminación LED. Emisión directa. Sistema de fijación en carril. Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).



Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
700	10	70	250	HRM45LVC	WW: 2700 OW: 3000 OX: 3500 ON: 4000	ST: fascio stretto narrow beam MD: fascio medio medium beam LA: fascio largo wide beam	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>W1:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta / On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica



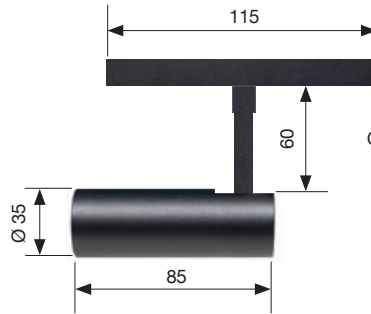
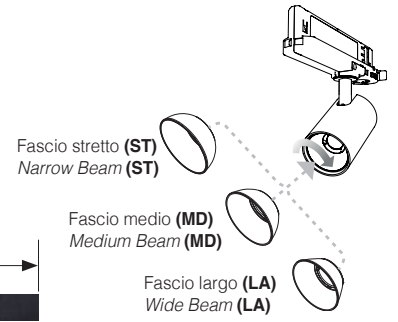
A richiesta | On request



H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.4	1	0.7	1	1.1
2	0.9	2	1.5	2	2.3
3	1.3	3	2.2	3	3.5
4	1.8	4	2.9	4	4.6
5	2.2	5	3.6	5	5.8

Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%



Nota/Note  
Ottiche intercambiabili senza ausilio di utensili  
Exchangeable optics without using of tools

# MUSE 35 LV

FASCIO/BEAM/FAISCEAU/HAZ | ST | MD | LA

Proiettore LED orientabile 48 Volt a binario.  
Track mounted adjustable LED projector 48 Volt.  
Projecteur LED orientable monté sur rail 48 Volt.  
Proyector LED orientable montado en riel de 48 voltios.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica retratta di mm57 in policarbonato lenticolare fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario. Alimentatore remoto a binario 48 Volt da ordinare separatamente. (vedi pag. binari 48 Volt).

Extruded aluminium body, with heatsink function, painted with poliestere powders after washing with demineralised water. Extruded aluminium heatsink. Retracted optic of 57 mm in lenticular polycarbonate, wide beam (code LA), medium beam (code MD) narrow beam (code ST). LED light source. Direct light emission. Track mounting system. Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé, avec fonction de dissipateur thermique, peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique rétractée de 57 mm en polycarbonate lenticulaire, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST). Source de lumière LED. Émission de lumière directe. Système de montage sur rail. Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

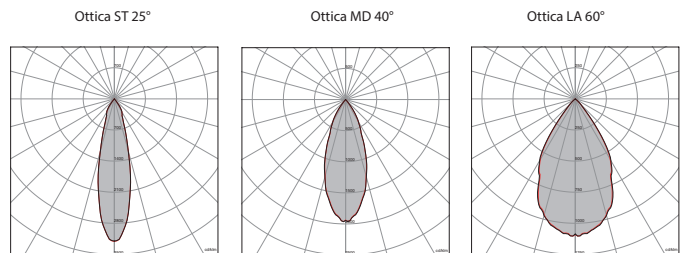
Cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica retráctil de 57 mm de policarbonato lenticular de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST). Fuente de iluminación LED. Emisión directa. Sistema de fijación en carril. Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).

5Y WARRANTY 5% FAILURE RATE | 60.000 h LED LIFETIME L70B10 | 100.000 h LED LIFETIME L70B50 | RIPPLE FREE

Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
350	5	70	140	HRM35LVV	WW: 2700 OW: 3000 OX: 3500 ON: 4000	ST: fascio stretto narrow beam MD: fascio medio medium beam LA: fascio largo wide beam	OF: ON/OFF DL: DALI	<b>Standard:</b> ● <b>WL:</b> White Irazu ● <b>BLL:</b> Black Lava <b>Su richiesta /On request:</b> ● <b>SB:</b> Silver Bombalai ● <b>BL:</b> Bronze Lario ● <b>RR:</b> Rust Rame ● <b>BF:</b> Beige Futura ● <b>GK:</b> Gold Karkar ● <b>BT:</b> Blue Telica

CE | II | >90 CRI | 3SDCM | IP44 EN 60529 | IK 07 EN 60068 | 48V 2014/35/UE | 50/60 Hz | 850° EN 60895 | DALI | RG 0 EN 62471 | DALI

A richiesta | On request

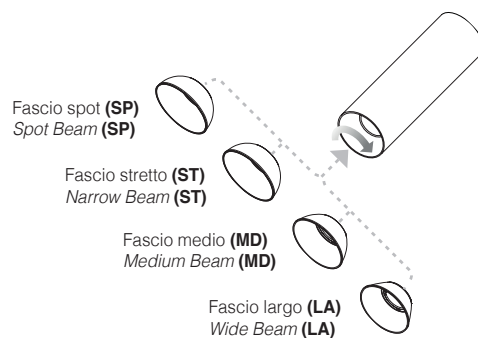
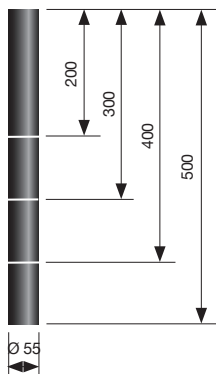


H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.4	1	0.7	1	1.1
2	0.9	2	1.5	2	2.3
3	1.3	3	2.2	3	3.5
4	1.8	4	2.9	4	4.6
5	2.2	5	3.6	5	5.8

Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%





Nota/Note  
 Ottiche intercambiabili senza ausilio di utensili  
 Exchangeable optics without using of tools

## TUBÌ S LV

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Sospensione tubolare decorativa Ø 55.  
 Decorative tubular suspension Ø 55.  
 Suspension tubulaire décorative Ø 55.  
 Suspensión tubular decorativa Ø 55.



Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in policarbonato metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a sospensione su binario (completo di cavo L. 2m). Alimentatore remoto a binario 48 Volt da ordinare separatamente. (vedi pag. binari 48 Volt).

Extruded aluminium body painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Metallized polycarbonate louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Suspension fixing system on track (complete with 2m length cable). Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique en polycarbonate métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Émission de lumière directe. Système de fixation par suspension sur rail (fourni avec câble L. 2m). Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

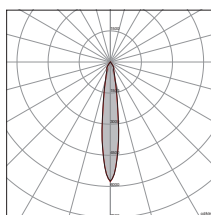
Cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de policarbonato metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación en suspensión con carril (cable de 2 m incluido). Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).

Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour				
<b>TUBÌ S LV 200</b>												
1100	9	122	250	HRTSL2C	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam ST: fascio stretto narrow beam MD: fascio medio medium beam LA: fascio largo wide beam	OF: ON/OFF DL: DALI	Standard: ● WI: White Irazu ● BLL: Black Lava Su richiesta /On request: ● SB: Silver Bombalai ● BL: Bronzo Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica				
1550	13	119	350	HRTSL2E								
<b>TUBÌ S LV 300</b>												
1100	9	122	250	HRTSL3C								
1550	13	119	350	HRTSL3E								
1850	16	116	450	HRTSL3G								
<b>TUBÌ S LV 400</b>												
1100	9	122	250	HRTSL4C								
1550	13	119	350	HRTSL4E								
1850	16	116	450	HRTSL4G								
<b>TUBÌ S LV 500</b>												
1100	9	122	250	HRTSL5C								
1550	13	119	350	HRTSL5E								
1850	16	116	450	HRTSL5G								

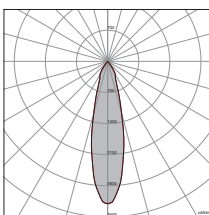


A richiesta | On request

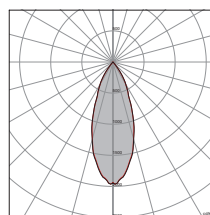
Ottica SP 15°



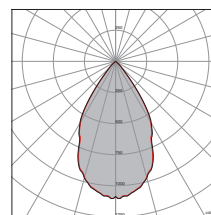
Ottica ST 25°



Ottica MD 40°



Ottica LA 60°

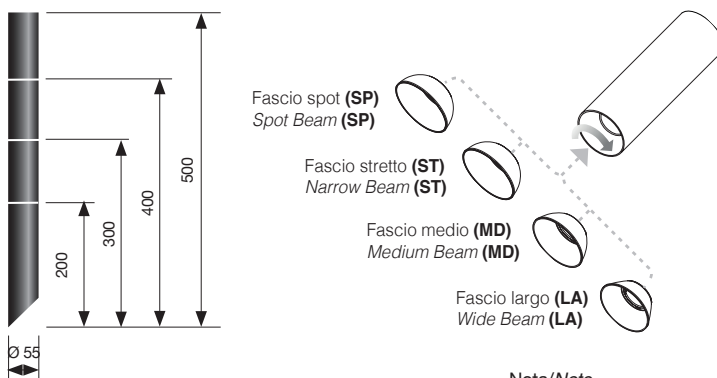


Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>90.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>90.  
 Watt: system power  
 Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8





Nota/Note  
Ottiche intercambiabili senza ausilio di utensili  
Exchangeable optics without using of tools

# VIKY 55 LV

FASCIO/BEAM/FAISCEAU/HAZ SP | ST | MD | LA

Sospensione tubolare decorativa Ø 55.  
Decorative tubular suspension Ø 55.  
Suspension tubulaire décorative Ø 55.  
Suspensión tubular decorativa Ø 55.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in policarbonato metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a sospensione su binario (completo di cavo L. 2m). Alimentatore remoto a binario 48 Volt da ordinare separatamente. (vedi pag. binari 48 Volt).

Extruded aluminium body painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Metallized polycarbonate louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Suspension fixing system on track (complete with 2 mt length cable). Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique en polycarbonate métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Émission de lumière directe. Système de fixation par suspension sur rail (fourni avec câble L. 2m). Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

Cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Dissipador de aluminio extruido. Óptica de policarbonato metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación en suspensión con carril (cable de 2 m incluido). Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).

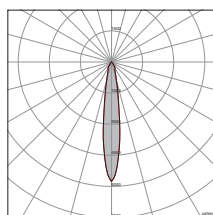


Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour	
<b>VIKY 55 LV 200</b>									
1100	9	122	250	HRVKL2C					
1550	13	119	350	HRVKL2E					
<b>VIKY 55 LV 300</b>									
1100	9	122	250	HRVKL3C	WW: 2700 OW: 3000 OX: 3500 ON: 4000	SP: fascio spot spot beam	OF: ON/OFF DL: DALI	<b>Standard:</b> ● WI: White Irazu ● BLL: Black Lava  <b>Su richiesta /On request:</b> ● SB: Silver Bombalai ● BL: Bronze Lario ● RR: Rust Rame ● BF: Beige Futura ● GK: Gold Karkar ● BT: Blue Telica	
1550	13	119	350	HRVKL3E		ST: fascio stretto narrow beam			
1850	16	116	450	HRVKL3G		MD: fascio medio medium beam			
<b>VIKY 55 LV 400</b>									
1100	9	122	250	HRVKL4C		LA: fascio largo wide beam			
1550	13	119	350	HRVKL4E					
1850	16	116	450	HRVKL4G					
<b>VIKY 55 LV 500</b>									
1100	9	122	250	HRVKL5C					
1550	13	119	350	HRVKL5E					
1850	16	116	450	HRVKL5G					

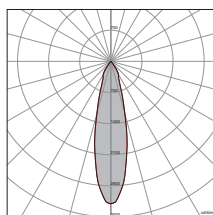


A richiesta / On request

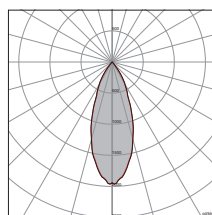
Ottica SP 15°



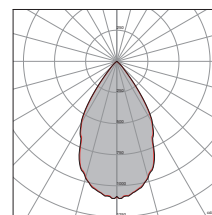
Ottica ST 25°



Ottica MD 40°



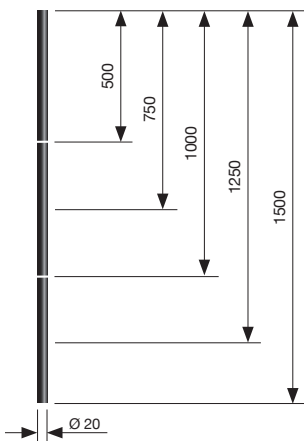
Ottica LA 60°



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI90.  
Watt: system power  
Tolerance ± 10%

H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)	H (m)	Ø (m)
1	0.3	1	0.4	1	0.7	1	1.1
2	0.5	2	0.9	2	1.5	2	2.3
3	1.7	3	1.3	3	2.2	3	3.5
4	1.0	4	1.8	4	2.9	4	4.6
5	1.2	5	2.2	5	3.6	5	5.8



# DECOR MINI LV

FASCIO/BEAM/FAISCEAU/HAZ MD

Sospensione tubolare decorativa Ø 20.  
Decorative tubular suspension Ø 20.  
Suspension tubulaire décorative Ø 20.  
Suspensión tubular decorativa Ø 20.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Dissipatore in alluminio estruso. Ottica in policarbonato metallizzato fascio largo (cod. LA), fascio medio (cod. MD) fascio stretto (cod. ST) fascio spot (cod. SP). Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a sospensione su binario (completo di cavo L. 2m). Alimentatore remoto a binario 48 Volt da ordinare separatamente.(vedi pag. binari 48 Volt).

Extruded aluminium body painted with polyester powders after washing with demineralised water. Extruded aluminium heatsink. Metallized polycarbonate louver wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Suspension fixing system on track (complete with 2 mt length cable). Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Dissipateur thermique en aluminium extrudé. Optique en polycarbonate métallisé, faisceau large (code LA), faisceau moyen (code MD), faisceau étroit (code ST), faisceau spot (code SP). Source de lumière LED. Emission de lumière directe. Système de fixation par suspension sur rail (fourni avec câble L. 2m). Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

Cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Disipador de aluminio extruido. Óptica de policarbonato metalizado de haz amplio (cód.LA), haz medio (cód.MD), haz estrecho (cód.ST), haz spot (cód.SP). Fuente de iluminación LED. Emisión directa. Sistema de fijación en suspensión con carril (cable de 2 m incluido). Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).

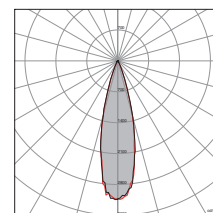


Lumen	Watt	Lumen Watt Out	mA	Codice Code	K	Fascio Beam	Alimentazione Power Supply	Colore Colour
<b>DECOR 500</b> 220	2,1	104	180	<b>HRDML1A</b>	<b>WW:</b> 2700 <b>OW:</b> 3000 <b>ON:</b> 4000	<b>MD:</b> fascio medio medium beam	<b>OF:</b> ON/OFF <b>DL:</b> DALI	<b>Standard:</b> <ul style="list-style-type: none"> <li>● <b>WI:</b> White Irazu</li> <li>● <b>BLL:</b> Black Lava</li> </ul> <b>Su richiesta /On request:</b> <ul style="list-style-type: none"> <li>● <b>SB:</b> Silver Bombalari</li> <li>● <b>BL:</b> Bronze Lario</li> <li>● <b>RR:</b> Rust Rame</li> <li>● <b>BF:</b> Beige Futura</li> <li>● <b>GK:</b> Gold Karkar</li> <li>● <b>BT:</b> Blue Telica</li> </ul>
<b>DECOR 750</b> 220	2,1	104	180	<b>HRDML2A</b>				
<b>DECOR 1000</b> 220	2,1	104	180	<b>HRDML3A</b>				
<b>DECOR 1250</b> 220	2,1	104	180	<b>HRDML4A</b>				
<b>DECOR 1500</b> 220	2,1	104	180	<b>HRDML5A</b>				



A richiesta | On request

Ottica MD 24°



Temperatura ambiente min. - max: -10°+40° C.  
Lumen: flusso totale in uscita con 3000K CRI>90.  
Watt: potenza di sistema  
Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
Lumen: total output flux with 3000K CRI>90.  
Watt: system power  
Tolerance ± 10%



MYRIAD UGR

MYRIAD LENS

MYRIAD MP

MYRIAD OP

Sistemi LED lineari con attacco a binario.

*LED linear lighting systems with track connection.*

*Systèmes d'éclairage linéaire LED avec connexion sur rail.*

*Sistemas de iluminación lineal LED con conexión a riel.*



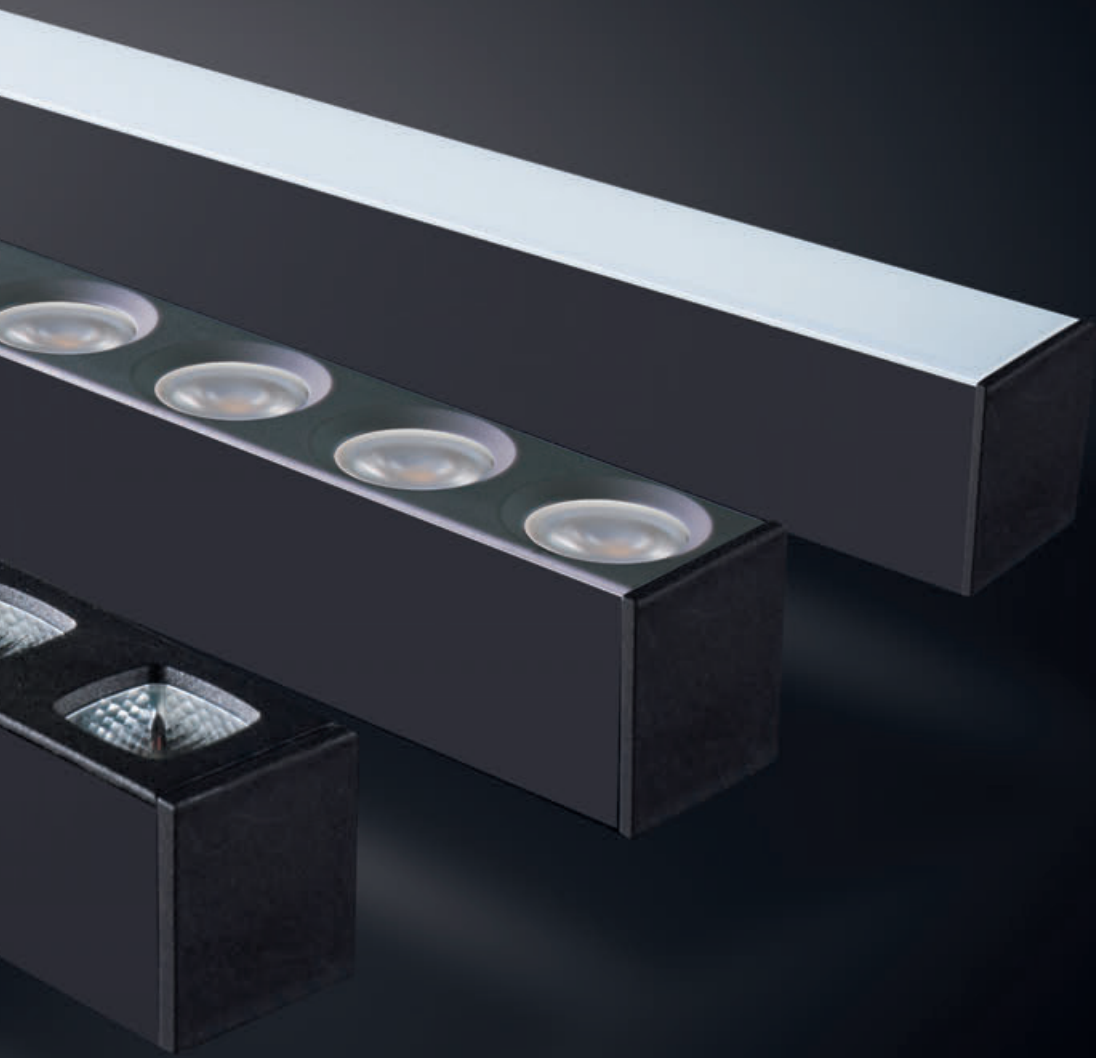
**SISTEMI LED LINEARI CON ATTACCO  
A BINARIO 48V**

*LINEAR LED LIGHTING SYSTEMS WITH  
48V TRACK CONNECTION*

*SYSTÈMES D'ÉCLAIRAGE LINÉAIRE LED  
AVEC CONNEXION SUR RAIL 48V*

*SISTEMAS DE ILUMINACIÓN LINEAL LED  
CON CONEXIÓN A RIEL 48V*







# MYRIAD UGR

## SCHERMO/DIFFUSER TP

Sistema LED lineare con attacco a binario 48 Volt.  
 Linear LED lighting system with track connection 48Volt.  
 Système d'éclairage linéaire LED avec connexion sur rail 48Volt.  
 Sistema de iluminación lineal LED con conexión a riel 48Volt.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica microriflettori. Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario. Alimentatore remoto a binario 48 Volt da ordinare separatamente. (vedi pag. binari 48 Volt).

Extruded aluminium body painted with polyester powders after washing with demineralised water. Microreflector louver. LED light source. Direct light emission. Track mounting system. Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Optique à micro-rélecteurs. Source de lumière LED. Emission de lumière directe. Système de montage sur rail. Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

Cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Óptica de microreflectores. Fuente de iluminación LED. Emisión directa. Sistema de fijación en carril. Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).

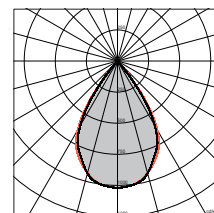
5Y WARRANTY  
5% FAILURE RATE
60.000 h  
LED LIFETIME L90B10
100.000 h  
LED LIFETIME L70B50
RIPPLE  
FREE

Lumen	Watt	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Lenght mm	K	Alimentazione Power Supply	Colore Colour
579	6	97	48	HRMYLU1	286	W:3000 N:4000	-: ON/OFF DL: DALI	● WI: White Irazu ● BLL: Black Lava
1159	11	106	48	HRMYLU2	567			
1739	16	109	48	HRMYLU3	847			
2087	19	110	48	HRMYLU4	1128			

CE
III
>98  
CRI
3SDCM
IP20  
EN 60529
IK 07  
EN 60068
48 V  
2014/25/UE
850°  
EN 60895
APP  
FPM  
A
RG 0  
EN 62471
19  
UGR
DL  
DALI

A richiesta | On request

Ottica 66°



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>98.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>98.  
 Watt: system power  
 Tolerance ± 10%





# MYRIAD LENS

## SCHERMO/DIFFUSER TP

Sistema LED lineare con attacco a binario 48 Volt.  
 Linear LED lighting system with track connection 48Volt.  
 Système d'éclairage linéaire LED avec connexion sur rail 48Volt.  
 Sistema de iluminación lineal LED con conexión a riel 48Volt.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica lenticolare. Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario. Alimentatore remoto a binario 48 Volt da ordinare separatamente. (vedi pag. binari 48 Volt).

Extruded aluminium body painted with polyester powders after washing with demineralised water. Lenticular louver. LED light source. Direct light emission. Track mounting system. Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Optique lenticulaire. Source de lumière LED. Émission de lumière directe. Système de montage sur rail. Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

Cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Óptica lenticular. Fuente de iluminación LED. Emisión directa. Sistema de fijación en carril. Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).

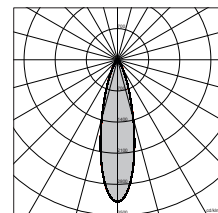
**5Y WARRANTY**  
5% FAILURE RATE
**60.000 h**  
LED LIFETIME L70B10
**100.000 h**  
LED LIFETIME L70B50
**RIPPLE FREE**

Lumen	Watt	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Lenght mm	K	Alimentazione Power Supply	Colore Colour
579	6	97	48	<b>HRMYLL1</b>	286	<b>OW:3000</b> <b>ON:4000</b>	<b>OF: ON/OFF</b> <b>DL: DALI</b>	● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava
1159	11	106	48	<b>HRMYLL2</b>	567			
1739	16	109	48	<b>HRMYLL3</b>	847			
2087	19	110	48	<b>HRMYLL4</b>	1128			

CE
III
>98 CRI
3SDCM
IP44 EN 60529
IK 07 EN 60068
48 V 2014/25/02 EN 60695
LED A+ A
RG 0 EN 62471
DL DALI

A richiesta | On request

Ottica 27°



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>98.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>98.  
 Watt: system power  
 Tolerance ± 10%





# MYRIAD MP

## SCHERMO/DIFFUSER MP

Sistema LED lineare con attacco a binario 48 Volt.  
 Linear LED lighting system with track connection 48Volt.  
 Système d'éclairage linéaire LED avec connexion sur rail 48Volt.  
 Sistema de iluminación lineal LED con conexión a riel 48Volt.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica microprismata. Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario. Alimentatore remoto a binario 48 Volt da ordinare separatamente. (vedi pag. binari 48 Volt).

Extruded aluminium body painted with polyester powders after washing with demineralised water. Microprismatic optic. LED light source. Direct light emission. Track mounting system. Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Optique microprismatique. Source de lumière LED. Emission de lumière directe. Système de montage sur rail. Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

Cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Óptica microprismática. Fuente de iluminación LED. Emisión directa. Sistema de fijación en carril. Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).

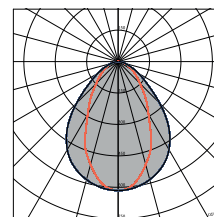
**5Y WARRANTY**  
5% FAILURE RATE
**60.000 h**  
LED LIFETIME L70B10
**100.000 h**  
LED LIFETIME L70B50
**RIPPLE FREE**

Lumen	Watt	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Lenght mm	K	Alimentazione Power Supply	Colore Colour
782	6	124	48	<b>HRMYLM1</b>	286	<b>OW:3000</b> <b>ON:4000</b>	<b>OF: ON/OFF</b> <b>DL: DALI</b>	● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava
1560	12	124	48	<b>HRMYLM2</b>	567			
2345	18	124	48	<b>HRMYLM3</b>	847			
3125	24	124	48	<b>HRMYLM4</b>	1128			

CE
III
>98  
CRI
3SDCM
IP44  
EN 60529
IK 07  
EN 60068
48 V  
2014/25/EU
850°  
EN 60695
LED  
A+
RG 0  
EN 62471
DL  
DALI

A richiesta | On request

Ottica 57°



H (m)	Ø (m)
1	1.1
2	2.2
3	3.3
4	4.4
5	5.5

Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>98.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>98.  
 Watt: system power  
 Tolerance ± 10%



# MYRIAD OP

## SCHERMO/DIFFUSER OP

Sistema LED lineare con attacco a binario 48 Volt.  
 Linear LED lighting system with track connection 48Volt.  
 Système d'éclairage linéaire LED avec connexion sur rail 48Volt.  
 Sistema de iluminación lineal LED con conexión a riel 48Volt.

Corpo in alluminio estruso verniciato con polveri poliestere previo lavaggio con acqua demineralizzata. Ottica opale. Sorgente luminosa LED. Emissione diretta. Sistema di fissaggio a binario. Alimentatore remoto a binario 48 Volt da ordinare separatamente.(vedi pag. binari 48 Volt).

Extruded aluminium body painted with polyester powders after washing with demineralised water. Opal optic. LED light source. Direct light emission. Track mounting system. Track remote driver 48 Volt to be ordered separately. (see page Track 48 Volt).

Corps en aluminium extrudé peint par poudrage polyester après rinçage en eau déminéralisée. Optique opale. Source de lumière LED. Emission de lumière directe. Système de montage sur rail. Alimentation déportée 48 volts à commander séparément (voir page Track 48 Volt).

Cuerpo de aluminio extruido recubierto con polvo de poliéster previamente lavado con agua desmineralizada. Óptica opal. Fuente de iluminación LED. Emisión directa. Sistema de fijación en carril. Alimentación remota de 48 V a pedir por separado (ver página de carriles 48V).

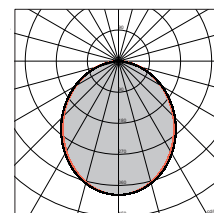


Lumen	Watt	Lumen Watt Out	Volt	Codice Code	Lunghezza mm Length mm	K	Alimentazione Power Supply	Colore Colour
744	6	124	48	HRMYLO1	286	<b>0W:</b> 3000 <b>0N:</b> 4000	<b>OF:</b> ON/OFF <b>DL:</b> DALI	● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava
1488	12	124	48	HRMYLO2	567			
2232	18	124	48	HRMYLO3	847			
2976	24	124	48	HRMYLO4	1128			



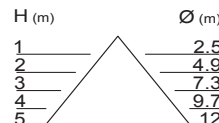
A richiesta | On request

Ottica 101°



Temperatura ambiente min. - max: -10°+40° C.  
 Lumen: flusso totale in uscita con 3000K CRI>98.  
 Watt: potenza di sistema  
 Tolleranza ± 10%

Min and Max room temperature: -10°+40° C.  
 Lumen: total output flux with 3000K CRI>98.  
 Watt: system power  
 Tolerance ± 10%





**BINARIO BASIC 1 48V**

**BINARIO STANDARD H2 48V**

**BINARIO STANDARD 6 48V**

**BINARIO TRIMLESS 5 48V**

Binario elettrificato a bassa tensione in estruso di alluminio a 4 conduttori.

*Low voltage electrified track in extruded aluminium with 4 conductors.*

*Rail électrifié basse tension en aluminium extrudé avec 4 conducteurs.*

*Carriles electrificados de baja tensión de aluminio extruido con 4 conductores.*

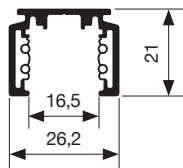


**BINARI 48V**

48V TRACKS  
RAILS 48V  
CARRILES 48V







## BINARIO BASIC 1 48V

Binario base.  
Basic track.  
Basic rail.  
Carril basico.

Binario elettrificato in estruso di alluminio a bassa tensione per installazione a plafone.

*Low voltage electrified aluminium track for ceiling installation.*

*Rail électrifié en aluminium basse tension pour installation au plafond.*

*Carril electrificado de aluminio extruido de baja tensión para instalación en techo.*

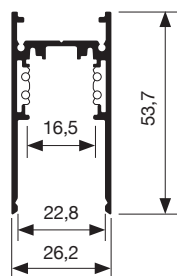
Lunghezza Lenght	Codice Code	Colore Colour
1000	HR9501-10	● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava
2000	HR9501-20	
3000	HR9501-30	
Driver remoto Remote driver	Codice Code	
Driver standard 48V 100W / <i>Standard driver 48V 100W</i>	HR48V100	
Driver standard 48V 150W / <i>Standard driver 48V 150W</i>	HR48V150	
Driver standard 48V 200W / <i>Standard driver 48V 200W</i>	HR48V200	



## ACCESSORI PER BINARIO BASIC 1.

ACCESSORIES FOR BASIC 1 TRACK. / ACCESSOIRES POUR RAIL BASIC 1 / ACCESORIOS PARA RIEL BASIC 1

	<b>accessori</b> <b>accessories</b>	<b>codice</b> <b>code</b>	WI BLL
	Testata di alimentazione <i>End feed</i> <i>Embout d'alimentation</i> <i>Alimentación final</i>	<b>HR9501-A</b>	●
	Giunto lineare passante <i>Jointing connector</i> <i>Connecteur de jonction linéaire</i> <i>Conector de unión</i>	<b>HR9501-GE</b>	●
	Giunto lineare meccanico <i>Linear mechanical jointing connector</i> <i>Connecteur mécanique linéaire</i> <i>Conector mecánico lineal de unión</i>	<b>HR9501-GM</b>	○ ●
	Giunto angolare <i>L joint</i> <i>Jonction en L</i> <i>Unión en L</i>	<b>HR9501-GL</b>	●
	Giunto flessibile <i>Adjustable corner</i> <i>Jonction flexible</i> <i>Esquina orientable</i>	<b>HR9501-GF</b>	●
	Testatina chiusura ceca <i>End cap</i> <i>Embout de fermeture</i> <i>Tapón final</i>	<b>HR9501-TEC</b>	●
		<b>HR9501-TEF</b>	●
	Testatina chiusura ceca <i>End cap</i> <i>Embout de fermeture</i> <i>Tapón final</i>	<b>HR9501-CE-3-B</b>	
	Cover estetica nera satinata L=3m <i>Black aesthetic track cover L=3m</i> <i>Couverture pour rail noire L=3m</i> <i>Cubierta estética en negro L=3m</i>	<b>HR9501-CE-3-OP</b>	
	Box driver 100W con testata di alimentazione cavo 20mm <i>Box driver 100W with end feed power wire 20mm</i> <i>Boîtier driver 100W avec embout d'alimentation câble 20mm</i> <i>Driver de caja 100W con cable de alimentación de alimentación final de 20 mm</i>	<b>HR9501-BX</b>	●
	Pinza per taglio conduttori <i>Cutting tool for track conductors</i> <i>Outil de coupe pour conducteurs de rail</i> <i>Herramienta de corte para conductores de riel</i>	<b>HR9501-T</b>	



## BINARIO STANDARD H2 48V

Binario ad H. Gestito a richiesta.  
 H track. On request.  
 Rail type H. Sur demande.  
 Carril tipo H. Bajo pedido.

Binario elettrificato in estruso di alluminio a bassa tensione per installazione a plafone e sospensione con possibilità di luce indiretta.

*Low voltage electrified aluminium track for ceiling and suspension installation with the possibility of indirect light emission.*

*Rail électrifié en aluminium basse tension pour installation au plafond et suspendue avec possibilité d'émission de lumière indirecte.*

*Carril electrificado de aluminio extruido de baja tensión para instalación en techo y suspensión con posibilidad de emisión indirecta.*

Lunghezza Lenght	Codice Code	Colore Colour
1000 mm	HR9502-10	● <b>W1:</b> White Irazu ● <b>BLL:</b> Black Lava
2000 mm	HR9502-20	
3000 mm	HR9502-30	










Driver remoto Remote driver	Codice Code
Driver standard 48V 100W / Standard driver 48V 100W	HR48V100
Driver standard 48V 150W / Standard driver 48V 150W	HR48V150
Driver standard 48V 200W / Standard driver 48V 200W	HR48V200

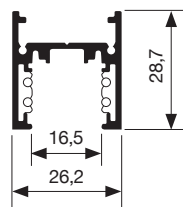


## ACCESSORI PER BINARIO STANDARD H2.

ACCESSORIES FOR STANDARD H2 TRACK. / ACCESSOIRES POUR RAIL STANDARD H2 / ACCESORIOS PARA RIEL STANDARD H2

accessori accessories	codice code	WI BLL
 Testata di alimentazione End feed Embout d'alimentation Alimentación final	HR9501-A	●
 Giunto lineare passante Jointing connector Connecteur de jonction linéaire Conector de unión	HR9501-GE	●
 Giunto lineare meccanico Linear mechanical jointing connector Connecteur mécanique linéaire Conector mecánico lineal de unión	HR9501-GM	●
 Giunto angolare L joint Jonction en L Unión en L	HR9501-GL	●
 Giunto flessibile Adjustable corner Jonction flexible Esquina orientable	HR9501-GF	●
 Giunto a T T joint Jonction en T Unión en T	HR9501-GT	●
 Giunto a X X joint Jonction en X Unión en X	HR9501-GX	●
 Testatina chiusura ceca End cap Embout de fermeture Tapón final	HR9502-CE-3-B	
 Cover estetica nera satinata L=3m Black aesthetic track cover L=3m Couverture pour rail noire L=3m Cubierta estética en negro L=3m	HR9502-CE-3-W	
 Cover di tamponamento nera per installazione L=3m Plastic installation guard L=3m Couverture en plastique L=3m Protector de instalación de plástico L=3m	HR9502-CT-3-B	
 Box driver 100W con testata di alimentazione cavo 20mm Box driver 100W with end feed power wire 20mm Boîtier driver 100W avec embout d'alimentation câble 20mm Driver de caja 100W con cable de alimentación de alimentación final de 20 mm	HR9501-BX	●
 Pinza per taglio conduttori Cutting tool for track conductors Outil de coupe pour conducteurs de rail Herramienta de corte para conductores de riel	HR9501-T	

accessori accessories	codice code	WI BLL
 Clip per fissaggio rapido Clamp rapid fix Attache de fixation rapide Abrazadera de fijación rápida	HR9502-FIX	●
 Staffa a L per giunti angolari L bracket for angles Etrier en L pour angles Soporte en L para ángulos	HR9502-SL	
 Staffa 80mm per sospensioni con grano Bracket 80mm for suspension Etrier 80mm pour suspension Soporte de 80 mm para suspensión	HR9502-LA	
 Testatina chiusura ceca End cap Embout de fermeture Tapón final	HR9502-TEC HR9502-TEF	● ●
 Giunto L meccanico con cover Mechanical L joint with cover Jonction en L mécanique avec couvercle Unión en L mecánica con cubierta	HR9502-GML	●
 Giunto T meccanico con cover Mechanical T joint with cover Jonction en T mécanique avec couvercle Unión en T mecánica con cubierta	HR9502-GMT	●
 Giunto a X meccanico Mechanical X joint Jonction en X mécanique Unión en X mecánica	HR9502-GMX	●
 Kit per fissaggio a sospensione cavo 1,5m piastrina 40mm Complete suspension kit cable L=1,5m + bracker 40mm Kit de suspension complet câble L=1,5m + support 40mm Kit completo de suspensión con cable L=1,5 m + soporte de 40 mm	HR9502-40-15	
 Kit per fissaggio a sospensione cavo 1,5m piastrina 80mm Complete suspension kit cable L=1,5m + bracker 80mm Kit de suspension complet câble L=1,5m + support 80mm Kit completo de suspensión con cable L=1,5 m + soporte de 80 mm	HR9502-80-15	



## BINARIO STANDARD 6 48V

Binario standard 6. *Gestito a richiesta.*  
 Standard Track 6. *On request.*  
 Rail type standard 6. *Sur demande.*  
 Carril tipo standard 6. *Bajo pedido.*

Binario elettrificato in estruso di alluminio a bassa tensione per installazione a plafone e sospensione.

*Low voltage electrified aluminium track for ceiling and suspension installation.*

*Rail électrifié en aluminium basse tension pour installation au plafond et suspendue.*

*Carril electrificado de aluminio extruido de baja tensión para instalación en techo y suspensión.*





















Lunghezza Lenght	Codice Code	Colore Colour
1000 mm	HR9506-10	● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava
2000 mm	HR9506-20	
3000 mm	HR9506-30	

Driver remoto Remote driver	Codice Code
Driver standard 48V 100W / <i>Standard driver 48V 100W</i>	HR48V100
Driver standard 48V 150W / <i>Standard driver 48V 150W</i>	HR48V150
Driver standard 48V 200W / <i>Standard driver 48V 200W</i>	HR48V200

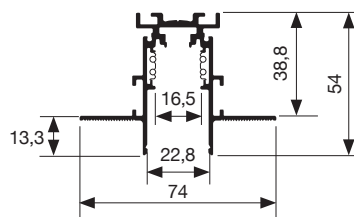


## ACCESSORI PER BINARIO STANDARD 6.

ACCESSORIES FOR STANDARD 6 TRACK. / ACCESSOIRES POUR RAIL STANDARD 6 / ACCESORIOS PARA RIEL STANDARD 6

accessori accessories	codice code	WI BLL	accessori accessories	codice code	WI BLL
 Testata di alimentazione End feed Embout d'alimentation Alimentación final	HR9501-A	●	 Clip per fissaggio rapido Clamp rapid fix Attache de fixation rapide Abrazadera de fijación rápida	HR9502-FIX	●
 Giunto lineare passante Joining connector Connecteur de jonction linéaire Conector de unión	HR9501-GE	●	 Staffa a L per giunti angolari L bracket for angles Etrier en L pour angles Soporte en L para ángulos	HR9502-SL	●
 Giunto lineare meccanico Linear mechanical jointing connector Connecteur mécanique linéaire Conector mecánico lineal de unión	HR9501-GM	●	 Staffa 80mm per sospensioni con grano Bracket 80mm for suspension Etrier 80mm pour suspension Soporte de 80 mm para suspensión	HR9502-LA	●
 Giunto angolare L joint Jonction en L Unión en L	HR9501-GL	●	 Testatina chiusura ceca End cap Embout de fermeture Tapón final	HR9506-TEC HR9506-TEF	● ●
 Giunto flessibile Adjustable corner Jonction flexible Esquina orientable	HR9501-GF	●	 Giunto L meccanico con cover Mechanical L joint with cover Jonction en L mécanique avec couvercle Unión en L mecánica con cubierta	HR9506-GML	●
 Giunto a T T joint Jonction en T Unión en T	HR9501-GT	●	 Giunto T meccanico con cover Mechanical T joint with cover Jonction en T mécanique avec couvercle Unión en T mecánica con cubierta	HR9506-GMT	●
 Giunto a X X joint Jonction en X Unión en X	HR9501-GX	●	 Giunto a X meccanico Mechanical X joint Jonction en X mécanique Unión en X mecánica	HR9506-GMX	●
 Testatina chiusura ceca End cap Embout de fermeture Tapón final	HR9501-CE-3-B	●			
 Cover estetica nera satinata L=3m Black aesthetic track cover L=3m Couververture pour rail noire L=3m Cubierta estética en negro L=3m	HR9501-CE-3-OP	●	 Kit per fissaggio a sospensione cavo 1,5m piastrina 40mm Complete suspension kit cable L=1,5m + bracker 40mm Kit de suspension complet câble L=1,5m + support 40mm Kit completo de suspensión con cable L=1,5 m + soporte de 40 mm	HR9502-40-15	●
 Box driver 100W con testata di alimentazione cavo 20mm Box driver 100W with end feed power wire 20mm Boîtier driver 100W avec embout d'alimentation câble 20mm Driver de caja 100W con cable de alimentación de alimentación final de 20 mm	HR9501-BX	●	 Kit per fissaggio a sospensione cavo 1,5m piastrina 80mm Complete suspension kit cable L=1,5m + bracker 80mm Kit de suspension complet câble L=1,5m + support 80mm Kit completo de suspensión con cable L=1,5 m + soporte de 80 mm	HR9502-80-15	●
 Pinza per taglio conduttori Cutting tool for track conductors Outil de coupe pour conducteurs de rail Herramienta de corte para conductores de riel	HR9501-T	●			





## BINARIO TRIMLESS 5 48V

Binario trimless 5. *Gestito a richiesta.*  
 Trimless 5 track. *On request.*  
 Rail type trimless 5. *Sur demande.*  
 Carril tipo trimless 5. *Bajo pedido.*

Binario elettrificato in estruso di alluminio a bassa tensione per installazione a plafone.

*Low voltage electrified aluminium track for ceiling installation.*

*Rail électrifié en aluminium basse tension pour installation au plafond trimless.*

*Carril electrificado de aluminio extruido de baja tensión sin marco para instalación en techo.*

Lunghezza Lenght	Codice Code	Colore Colour
1000 mm	HR9505-10	● <b>WI:</b> White Irazu ● <b>BLL:</b> Black Lava
2000 mm	HR9505-20	
3000 mm	HR9505-30	

Driver remoto Remote driver	Codice Code
Driver standard 48V 100W / <i>Standard driver 48V 100W</i>	HR48V100
Driver standard 48V 150W / <i>Standard driver 48V 150W</i>	HR48V150
Driver standard 48V 200W / <i>Standard driver 48V 200W</i>	HR48V200



## ACCESSORI PER BINARIO TRIMLESS 5.

ACCESSORIES FOR TRIMLESS 5 TRACK. / ACCESSOIRES POUR RAIL TRIMLESS 5 / ACCESORIOS PARA RIEL TRIMLESS 5

accessori accessories	codice code	WI BLL
 Testata di alimentazione <i>End feed</i> <i>Embout d'alimentation</i> <i>Alimentación final</i>	HR9501-A	●
 Giunto lineare passante <i>Jointing connector</i> <i>Connecteur de jonction linéaire</i> <i>Conector de unión</i>	HR9501-GE	●
 Giunto lineare meccanico <i>Linear mechanical jointing connector</i> <i>Connecteur mécanique linéaire</i> <i>Conector mecánico lineal de unión</i>	HR9501-GM	●
 Giunto angolare <i>L joint</i> <i>Jonction en L</i> <i>Unión en L</i>	HR9501-GL	●
 Giunto flessibile <i>Adjustable corner</i> <i>Jonction flexible</i> <i>Esquina orientable</i>	HR9501-GF	●
 Testatina chiusura ceca <i>End cap</i> <i>Embout de fermeture</i> <i>Tapón final</i>	HR9502-CE-3-B	
 Cover estetica nera satinata L=3m <i>Black aesthetic track cover L=3m</i> <i>Couverture pour rail noire L=3m</i> <i>Cubierta estética en negro L=3m</i>	HR9502-CE-3-W	
 Cover di tamponamento nera per installazione L=3m <i>Plastic installation guard L=3m</i> <i>Couverture en plastique L=3m</i> <i>Protector de instalación de plástico L=3m</i>	HR9502-CT-3-B	
 Pinza per taglio conduttori <i>Cutting tool for track conductors</i> <i>Outil de coupe pour conducteurs de rail</i> <i>Herramienta de corte para conductores de riel</i>	HR9501-T	

accessori accessories	codice code	WI BLL
 Dima er installazione binario <i>Template for track installation</i> <i>Gabarit d'installation pour rail</i> <i>Plantilla para instalación de riel</i>	HR9505-D1	
 Staffa di rinforzo per giunto passante <i>Reinforcing bracket for jointing connector</i> <i>Support de renforcement pour jonction</i> <i>Refuerzo para conector de unión</i>	HR9505-STF	
 Staffa 80mm per sospensioni con grano <i>Bracket 80mm for suspension</i> <i>Etrier 80mm pour suspension</i> <i>Soporte de 80 mm para suspensión</i>	HR9502-LA	
 Testatina chiusura ceca <i>End cap</i> <i>Embout de fermeture</i> <i>Tapón final</i>	HR9502-TEC	●
 Testatina chiusura ceca <i>End cap</i> <i>Embout de fermeture</i> <i>Tapón final</i>	HR9502-TEF	●
 Giunto L meccanico con cover nera <i>Mechanical L joint with black cover</i> <i>Jonction mécanique en L avec couvercle noir</i> <i>Unión en L mecánica con cubierta negra</i>	HR9502-GMI	●

## ESCAPE

### ROUND ESCAPE

Apparecchio a sospensione per soffitto/plafone, ad incasso o cartongesso.

*Suspension, ceiling or recessed mounting system.*

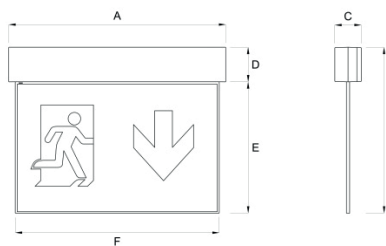
*Système de suspension pour plafond/placoplâtre/encastré.*

*Luminaria suspendida, de techo/plafón, empotrada o de yeso.*

## APPARECCHI DI SEGNALAZIONE

*SIGNALING FITTINGS  
LUMINAIRES DE SIGNALISATION  
LUMINARIAS DE SEÑALIZACIÓN*





A=271mm B=206mm C=33mm D=43mm E=163mm F=255mm

A=271mm B=167mm C=33mm D=43mm E=123mm F=255mm

### Consumi energetici Energy consumption

Sempre accesa (SA) Always on	2,9W
Solo emergenza (SE) Emergency only	0,3 W

## ESCAPE

Apparecchi di segnalazione  
Signaling fittings  
Luminaire de signalisation  
Luminarias de señalización

### Codice Code

#### HRAS1201C

Distanza visibilità/ Visibility distance/ Distance de visibilité/ Distancia de visibilidad 22m

#### HRAS1202C

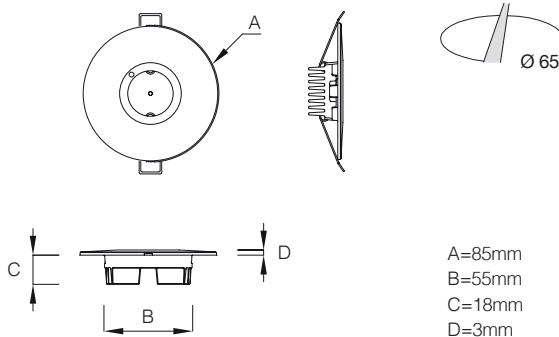
Distanza visibilità/ Visibility distance/ Distance de visibilité/ Distancia de visibilidad 32m

Apparecchio di segnalazione per installazione a parete / soffitto / bandiera.  
A richiesta: installazione a incasso / incasso su scatola / sospensione. Accessori da ordinare separatamente.

Signaling device for wall/ceiling/flag installation.  
On request: recessed installation / recessed on box / suspension. Accessories to be ordered separately.

Dispositif de signalisation pour installation mur/plafond/drapeau.  
Sur demande : installation encastrée / encastrée sur caisson / suspension. Accessoires à commander séparément.

Dispositivo de señalización para instalación en pared/techo/bandera.  
Bajo pedido: instalación empotrada / empotrable sobre caja / suspensión. Los accesorios deben pedirse por separado.



A=85mm  
B=55mm  
C=18mm  
D=3mm

## ROUND ESCAPE

Apparecchi di segnalazione  
Signaling fittings  
Luminaire de signalisation  
Luminarias de señalización

### Codice Code

#### HRVA2501N

LED ad alta efficienza luminosa.  
Optica brevettata asimmetrica di serie.  
Disponibile in bianco e in grigio.

High luminous efficiency LED.  
Standard patented asymmetrical optics.  
Available in white and gray.

LED à haute efficacité lumineuse.  
Optiques asymétriques brevetées standard.  
Disponible en blanc et gris.

LED de alta eficiencia luminosa.  
Óptica asimétrica patentada de serie.  
Disponible en blanco y gris.

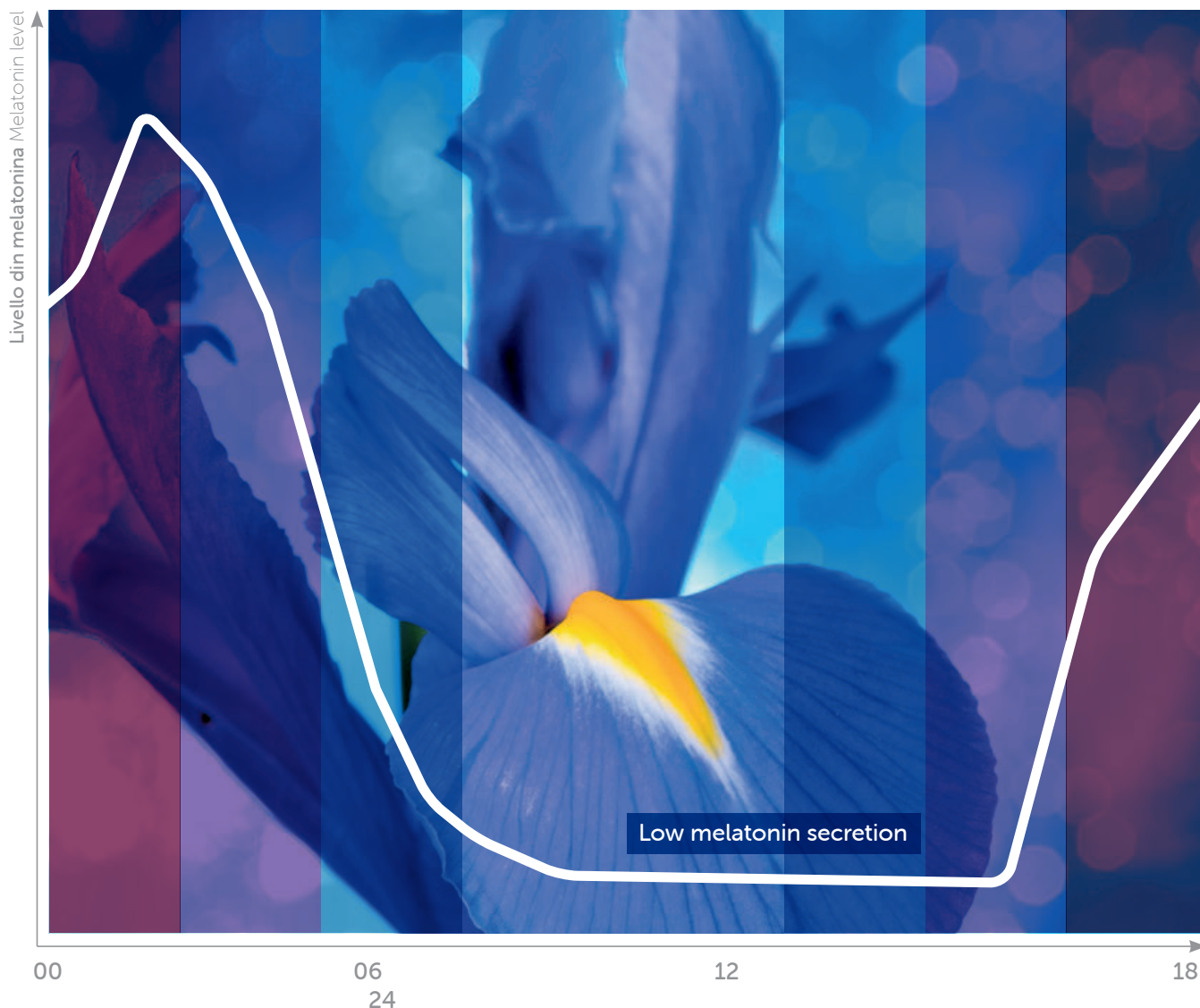
GRUPPO **RAINA**  
L'unione fa la luce.

***SunLike***

Luce naturale  
Natural lighting

# SunLike tecnologia a spettro completo

## SunLike full spectrum technology



SunLike Technology è una tecnologia innovativa che rappresenta un'evoluzione significativa delle tradizionali lampade a LED. Questa tecnologia è stata sviluppata con l'obiettivo di fornire una fonte di luce che sia

in grado di riprodurre fedelmente la luce solare, offrendo un'illuminazione di alta qualità e un comfort visivo superiore.

La tecnologia SunLike si basa su una particolare miscela di fosfori al nichel che permette di creare una luce spettro-completo molto simile a quella del sole. Questo significa che la luce emessa dalle lampade SunLike contiene tutte le lunghezze d'onda della luce visibile, in modo da offrire una resa cromatica eccellente e una luce uniforme e confortevole per gli occhi. L'utilizzo della tecnologia SunLike ha molteplici vantaggi, soprattutto per le applicazioni in ambito illuminazione. Innanzitutto, grazie alla riproduzione accurata dello spettro solare, questa tecnologia consente di migliorare la percezione dei colori e di rendere gli ambienti più confortevoli e accoglienti. Inoltre, le lampade SunLike presentano un'efficienza energetica superiore rispetto alle lampade a LED tradizionali, grazie alla riduzione dell'effetto di abbagliamento e all'aumento della resa luminosa per watt consumato.

*SunLike Technology is an innovative technology that represents a significant evolution of traditional LED lamps. This technology has been developed with the goal of providing a light source that is capable of faithfully reproducing sunlight, offering high-quality lighting and superior visual comfort.*

*The SunLike technology is based on a particular mixture of nickel phosphors that allows for the creation of a spectrum-complete light that is very similar to that of the sun. This means that the light emitted by SunLike lamps contains all the wavelengths of visible light, providing excellent color rendering and a uniform and comfortable light for the eyes.*

*The use of SunLike technology has multiple advantages, especially for lighting applications. First of all, thanks to the accurate reproduction of the solar spectrum, this technology can improve color perception and make environments more comfortable and welcoming. Additionally, SunLike lamps have higher energy efficiency compared to traditional LED lamps, thanks to the reduction of glare and the increase in luminous efficiency per watt consumed.*

FAVORISCE IL SONNO  
ENCOURAGE SLEEP

MINORE STANCHEZZA  
LESS FATIGUE

MAGGIORE BENESSERE VISIVO  
GREATER WELL-BEING VISUAL

## Benessere e colori naturali



La tecnologia SunLike è particolarmente indicata per applicazioni in ambito residenziale, commerciale e industriale, dove la qualità dell'illuminazione è fondamentale per garantire comfort e sicurezza. Inoltre, la tecnologia SunLike può essere utilizzata anche in ambito medico, in quanto la sua luce spettro-completo simile a quella del sole può favorire il benessere e la salute delle persone.

In conclusione, la tecnologia SunLike rappresenta una vera e propria innovazione nel campo dell'illuminazione, offrendo una luce spettro-completo di alta qualità e un comfort visivo superiore. Grazie alla sua efficienza energetica, alla riproduzione accurata dello spettro solare e alla sua versatilità, la tecnologia SunLike si configura come una soluzione ideale per molteplici applicazioni in diversi ambiti.

*SunLike technology is particularly suitable for residential, commercial, and industrial applications, where lighting quality is crucial to ensuring comfort and safety. Furthermore, SunLike technology can also be used in the medical field, as its spectrum-complete light similar to that of the sun can promote people's well-being and health.*

*In conclusion, SunLike technology represents a true innovation in the field of lighting, offering high-quality spectrum-complete light and superior visual comfort. Thanks to its energy efficiency, accurate reproduction of the solar spectrum, and versatility, SunLike technology is an ideal solution for multiple applications in different fields.*

ESALTA I COLORI  
ENHANCE THE COLORS

RISPETTA IL CICLO CIRCADIANO  
RESPECT CIRCADIAN CYCLE

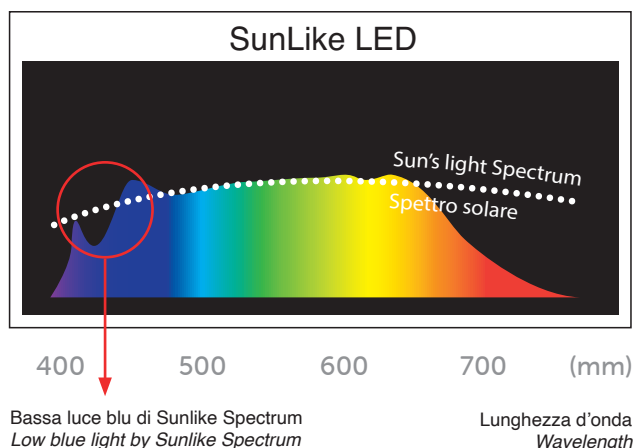
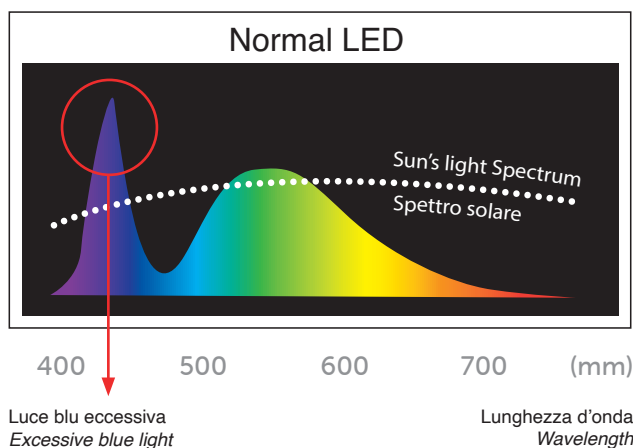
ADATTO PER L'ORTICOLTURA  
SUITABLE FOR HORTICULTURE

## Wellness and natural colors



Sunlike abbassa le lunghezze d'onda eccessive della luce blu e ne riproduce lo spettro allo stesso livello della luce solare naturale.

Sunlike lowers excessive blue light wavelengths and reproduces the light spectrum at the same level as natural sunlight





# CHIAVE DI LETTURA CATALOGO

## METHOD OF READING THE CATALOGUE

**1** Immagine prodotto. *Product image.*

**2** Dimensioni. *Dimensions.*

**3** Disegno fasci disponibili. *Draw of the available beams.*

**4** I simboli riportati indicano configurazioni disponibili su richiesta. *The symbols identify the available versions on request*

**5** Simbologia caratteristiche tecnico-costruttive vedi dettagli a pagine 175-176. *For the symbols of the technical details see on pages 175-176.*

**6** Fotometrie. *Photometries.*

**7** Informazioni generali. *General information.*

**8** LUMEN OUT: indica il flusso emesso dall'apparecchio in condizioni di lavoro misurate secondo le norme UNI EN 13032-1:2012 e UNI EN 13032-4:2015 operante in ambiente con temperatura pari a 25°C.

**9** WATT: è la potenza totale assorbita dalla rete elettrica dall'apparecchio di illuminazione. Il dato indicato è comprensivo dei consumi dell'alimentatore elettronico con apparecchio stabilizzato a regime termico operante in ambiente con temperatura pari a 25°C.

**10** LUMEN / WATT OUT: indica l'efficienza reale dell'apparecchio di illuminazione indicando il flusso in uscita per ogni Watt assorbito dalla rete elettrica. Tolleranza sui valori indicati +/- 10%.

**11** mA: Indica il valore di corrente utilizzata per alimentare il modulo LED.

**12** CODICE: è il codice del prodotto da utilizzare per comporre il codice d'ordine (vedi sezione "codice d'ordine").

**13** FASCIO: Indica l'apertura angolare del fascio luminoso.

**14** K: indica la temperatura di colore dei LED espressa in gradi Kelvin; utilizzare le lettere indicate per completare il codice prodotto; "N" per apparecchio equipaggiato con LED 4.000K (standard) oppure con "W" per apparecchio equipaggiato con LED 3.000K, "C" per apparecchio equipaggiato con LED 6.000K.

**15** ALIMENTAZIONE: identifica il tipo di cablaggio dell'apparecchio. La versione standard prevede alimentazione elettronica ON/OFF; cablaggi speciali dimmerabili sono identificati con: DL alimentatore DALI o PD alimentatore push-dim. La sigla relativa al tipo di alimentazione deve essere utilizzata per comporre il codice apparecchio, i codici che non contengono indicazioni relative al tipo di alimentazione saranno gestiti come standard, quindi ON/OFF.

**16** COLORE: è un codice alfabetico che identifica il colore del corpo dell'apparecchio di illuminazione, il colore è riportato in tabella; esempio: SB = Silver Bombalai, BL = Bronze Lario, ecc.

**12 CODICE BASE:** è il codice del prodotto da utilizzare per comporre il codice d'ordine. (Vedi sezione "codice d'ordine")

**CODICE BASE:** it is the article code to be used to compose the order code. (See section "order code")

Lumen	Watt	Lumen Watt Out	mA	Codice Code	Fascio Beam	K	Alimentazione Power Supply	Colore Colour
890	7	≤ 127	200	HRMCGR1	SP: fascio spot spot beam	WW: 2700	-: ON/OFF elettronica elettronica	SB: Silver Bombalai
1100	9	≤ 122	250	HRMCGR2	ST: fascio stretto narrow beam	W: 3000		BL: Bronze Lario
1570	13	≤ 121	350	HRMCGR3	MD: fascio medio medium beam	X: 3500		BR: Rust Bama
2150	18	≤ 120	500	HRMCGR4	LA: fascio largo wide beam	N: 4000	DL: DALI	BF: Beige Futuna
2950	26	≤ 114	700	HRMCGR5				WL: White Irazu
								GC: Gold Karkar
								BT: Blue Telica
								BL: Black Laria

**5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16**

Temperatura ambiente min. -max. -10°+40° C. Lumen: Fascio Medio e anche con 3000K CR95. Variazione flusso con CR95 + 8% con CR95 - 8%. Nota: tolleranza 0,5.

Min and Max room temperature: -10°+40° C. Lumen: Beam medium and also with 3000K CR95. Flux variation with CR95 + 8% with CR95 - 8%. Note: tolerance 0,5.

Obiettivo 15° Obiettivo 25° Obiettivo 40° Obiettivo 60°

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- Immagine prodotto. *Product image.*
- Dimensioni. *Dimensions.*
- Disegno fasci disponibili. *Draw of the available beams.*
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- Informazioni generali. *General information.*

### CODICE D'ORDINE | ORDER CODE

**12 CODICE BASE:** è il codice del prodotto da utilizzare per comporre il codice d'ordine. (Vedi sezione "codice d'ordine")

**CODICE BASE:** it is the article code to be used to compose the order code. (See section "order code")

**HRMCGR1SPNSB**

**CODICE CODE** **K** **COLORE COLOUR**

**FASCIO BEAM**

**MICRO GIRO 7 W 4.000K FASCIO/BEAM SP ON/OFF SB**

**HRMCGR1MDWWDLBL**

**CODICE CODE** **FASCIO BEAM** **K** **COLORE COLOUR**
























**ALIMENTAZIONE POWER SUPPLY**

**MICRO GIRO 7 W 2.700K FASCIO/BEAM MEDIO DALI BL**

- LUMEN OUT:**  
this value identifies the out flux of the fitting at measured working conditions according to norms UNI EN 13032-1:2012 and UNI EN 13032-4:2015 operating in environments at 25° C temperature
- WATT:**  
it is the total power absorbed by power grid from the lighting fitting. The value includes the power consumption of the power supply with a thermally stabilized device operating in an environment at 25° C.
- LUMEN / WATT OUT:**  
this values identifies the real efficiency of the lighting fitting as it indicates the out flux for each Watt absorbed by power grid. Tolerance on indicated values +/- 10%.
- mA:**  
It is the value of the power used to apply the LED module.
- CODICE:**  
it is the article code to be used to compose the order code (see section "order code").
- BEAM:**  
Indicates the angular opening of the light beam.
- K:**  
it identifies the colour temperature of the LEDS expressed in Kelvin degrees; use the indicated letter to complete the article code: "N" for the article equipped with LED 4.000K (standard version) or with "W" for the article equipped with LED 3.000K, "C" for the article equipped with LED 6.000K.
- POWER SUPPLY:**  
it identifies the colour temperature of the LEDS expressed in Kelvin degrees; use the indicated letter to complete the article code: "N" for the article equipped with LED 4.000K (standard version) or with "W" for the article equipped with LED 3.000K, "C" for the article equipped with LED 6.000K.
- COLOR:**  
it is a code alphabetical. It identifies the color of the lighting fitting body, the color is in the list;  
Example: SB Silver Bombalai, BL = Bronze Lario, ect.

## LEGGENDA

### KEY TO SYMBOLS

	Certifica che il prodotto è realizzato in ambito della Comunità Europea e ne rispetta le norme di sicurezza vigenti.	<i>It certifies that product has been realized respecting European Community security norms.</i>
	Classe di isolamento 1	<i>Isolation class 1</i>
	Classe di isolamento 2	<i>Isolation class 2</i>
	Classe di isolamento 3	<i>Isolation class 3</i>
	Apparecchio idoneo per l'utilizzo in ambienti interni	<i>Fitting suitable for internal environments use</i>
	Accessorio attacco a binario	<i>Track mounting system accessory</i>
	Base per fissaggio a parete	<i>Wall mounting base</i>
	indica le tensioni operative dell'apparecchio	<i>it identifies the operating voltage of the fitting</i>
	indica le tensioni operative dell'apparecchio	<i>it identifies the operating voltage of the fitting</i>
	indica le frequenze operative dell'apparecchio	<i>It identifies the operating frequencies of the fitting</i>
	Indica il valore massimo espresso con numero di ellissi di Mac Adam relativo alla selezione del CHIP LED.	<i>It identifies the maximum value relative the selection of the CHIP LED expressed with number Mac Adam of ellipses.</i>
	Indice di abbagliamento	<i>Glare index</i>
	Aspettativa di vita LED	<i>LED service Life</i>
	Vedi condizioni di vendita (vedi pag. 112)	<i>See general conditions (see page 112)</i>
	Efficienza energetica	<i>Energy efficiency</i>
	Possibilità di equipaggiamento con funzionalità "DALI" (accensione e dimmerazione comandati tramite controllo digitale DALI).	<i>DALI function available on request n(lighting and dimming controlled by DALI digital control).</i>
	Possibilità di equipaggiamento con funzionalità "PUSH-DIM" (Accensione e dimmerazione comandati tramite pulsante N.A.)	<i>PUSH-DIM function available on request (lighting and dimming controlled by n.o. button).</i>
	Possibilità di gestire la temperatura colore della luce variando la corrente di alimentazione (abbassando l'intensità luminosa si crea luce calda).	<i>Possibility to manage the light colour temperature through the modify of the power current (lowering the light intensity creates warm light).</i>
	LED con luce speciale per risaltare ed evidenziare oggetti con colori saturi; adatto per tessuti, oggettistica e tutte le applicazioni in cui il colore dell'oggetto deve essere evidenziato.	<i>Special LED light suitable to stand out and highlight the saturated colours; used for fabrics, objects and all the applications where the colour of the object must be highlighted.</i>
	LED con luce speciale per risaltare le tonalità dei prodotti vegetali; adatto per esposizioni di prodotti ortofrutticoli.	<i>Special LED light suitable to stand out the vegetable products; used for the exhibition of fruits and vegetables.</i>
	LED con luce speciale per risaltare le tonalità bianche; adatto per abiti, gioielli e tutti i prodotti dove è necessario evidenziare il colore bianco della superficie.	<i>Special LED light suitable to stand out the white tones; used for clothes and jewelry and all the products in which the white colours of the surface must be highlighted.</i>
	LED con luce speciale per risaltare le tonalità dei prodotti a base di carne; adatto a banchi frigo, macellerie, e tutti i casi in cui è necessario evidenziare il colore rosa/rosso delle merci esposte.	<i>Special LED light suitable to stand out the tones of the meat products; used for refrigerated counters, butchers, and when it's necessary to highlight the pink/red colour of the goods on display.</i>
	Assenza di flickering	<i>Flickering free</i>

# SIMBOLI ED ABBREVIAZIONI

## SYMBOLS AND ABBREVIATIONS



Seguito da una cifra indica il grado di resistenza all'urto dell'involucro esterno dell'apparecchio.

When followed by one number, it indicates degree of resistance of the outer shell of the fixture to the impact.

Codice   Code IK	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Energia di impatto in Joule Impact energy in Joule	-	0,15	0,2	0,35	0,5	0,7	1	2	5	10	20



Indica il grado di protezione alle polveri ed all'acqua dell'apparecchio.

Indicated the protection degree of the fixture against dust and water.

PRIMA CIFRA FIRST NUMBER		SECONDA CIFRA SECOND NUMBER		LETTERA OPZIONALE AGGIUNTIVA ADDITIONAL OPTIONAL LETTER	
Livello	Definizione Definition	Livello	Definizione Definition	Livello	Definizione Definition
<b>IP0X</b>	Nessuna protezione al contatto e ingresso di oggetti. No protection against the contact and entering of objects.	<b>IPX0</b>	Non protetto. Not protected	<b>A</b>	Protetto contro l'accesso con il dorso della mano. Protected against access with the back of the hand.
<b>IP1X</b>	Qualsiasi grande superficie del corpo, come il dorso della mano, ma nessuna protezione contro il contatto intenzionale con una parte del corpo (50mm). Any big body surface, like the back of the hand, but no protection against intentional contact with a body part (50mm).	<b>IPX1</b>	Protetto da caduta verticale di gocce d'acqua. Protected against the vertical fall of water drops.	<b>B</b>	Protetto contro l'accesso con un dito. Protected against access with a finger.
<b>IP2X</b>	Protetto contro corpi solidi di dimensioni superiori a 12mm. Protected against solids over 12mm.	<b>IPX2</b>	Protetto da caduta di gocce d'acqua con inclinazione massima 15°. Protected against water drops with maximum inclination 15.	<b>C</b>	Protetto contro l'accesso con un attrezzo. Protected against access with a tool.
<b>IP3X</b>	Protetto contro corpi solidi di dimensioni superiori a 2,5mm. Protected against solids over 2,5mm.	<b>IPX3</b>	Protetto dalla pioggia. Protected against rain drops.	<b>D</b>	Protetto contro l'accesso con un filo. Protected against access with a wire.
<b>IP4X</b>	Protetto contro corpi solidi di dimensioni superiori a 1mm. Protected against solids over 1mm.	<b>IPX4</b>	Protetto da spruzzi. Protected against water splashes.		
<b>IP5X</b>	Protetto contro la polvere. Protected against dust.	<b>IPX5</b>	Protetto da getti d'acqua. Protected against water jets.		
<b>IP6X</b>	Totamente protetto contro la polvere. Entirely protected against dust.	<b>IPX6</b>	Protetto da ondate. Protected against waves.		
		<b>IPX7</b>	Protetto da immersione temporanea. Protected against temporary immersion.		
		<b>IPX8</b>	Protetto da immersione continua. Protected against continuous immersion.		



In accordo al par 6.1 della EN 62471: 2008 i gruppi di rischio (per luce blu) sono definiti come segue:

RG According to par. 6.1 of EN 62471: 2008 risk groups (for blue light) are defined as follows:

**• RG 0 Rischio Esente**

Il concetto di base per la classificazione del gruppo Esente è che la lampada non provoca nessun rischio fotobiologico. Tale requisito è soddisfatto da qualsiasi lampada che non provochi un rischio retinico da luce blu (LB) entro 10.000 s (circa 2,8 h) di esposizione.

**• RG 0 Exempt Risk Group**

The basic concept for the classification of Exempt risk group is that the luminaire does not cause any photobiological risk. This requirement is met by any luminaire, which does not cause any retina risk from blue light (BL) within 10,000 s exposure (about 2,8 h).

**• RG 1 Rischio Basso**

Il concetto di base per tale classificazione è che la lampada non provoca rischio dovuto a normali limitazioni di funzionamento sull'esposizione. Tale requisito è soddisfatto da qualsiasi lampada che eccede i limiti del Gruppo Esente ma non provochi un rischio retinico da luce blu (LB) entro 100 s di esposizione.

**• RG 1 Low Risk Group**

The basic concept for this classification is that the luminaire does not cause any risk due to normal operating limitations at the exposure. This requirement is met by any luminaire, which exceeds the limits of the Exempt Group, however, it does not cause any retina risk from blue light (BL) within 100 s exposure.

**• RG 2 Rischio Moderato**

Il concetto di base per la classificazione del Gruppo di Rischio 2 (Rischio Moderato) è che la lampada non provoca un rischio in seguito ad una reazione istintiva guardando sorgenti di luce molto luminose (o in seguito ad una sensazione di disagio termico). Tale requisito è soddisfatto da qualsiasi lampada che eccede i limiti del Gruppo di Rischio 1 (Rischio Basso) ma non provochi un rischio retinico da luce blu (LB) entro 0,25 s di esposizione (risposta avversiva).

**• RG 2 Intermediate Risk Group**

The basic concept for the Risk Group 2 classification (Intermediate Risk) is that the luminaire does not cause any risk as a result of gut reaction when looking at extremely bright light sources (or as a result of thermal feeling of discomfort). This requirement is met by any luminaire which exceeds the limits of the Risk Group 1 (Low Risk Group), however, it does not cause any retina risk from blue light (BL) within 0,25 s exposure (aversive response).

**• RG 3 Rischio Elevato**

Il concetto di base per tale classificazione è che la lampada può costituire un rischio anche in seguito a un'esposizione momentanea o breve. Le lampade che superano i limiti del Gruppo di Rischio 2 sono comprese nel Gruppo di Rischio 3 (Rischio Elevato).

**• RG 3 High Risk**

The basic concept for this classification is that the luminaire may cause a risk even as a result of a momentary or brief exposure. The luminaires, which exceed the limits of Risk Group 2 are included into Risk Group 3 (High Risk).



Il Ra (Rendering index) / CRI (Colour Rendering index) indica quanto naturali appaiano i colori degli oggetti da essa illuminati. Apparecchi con indice Ra>80 sono perfetti per l'illuminazione generale di interni ed offrono un ottimo comfort visivo. Per applicazioni dove è necessaria una maggiore definizione dei colori IDEALLUX propone soluzioni con Ra>90.

Ra (Rendering index)/ CRI (Colour Rendering index) indicates how natural the colours of the illuminated objects look. The fixtures with Ra>80 are perfect for internal illumination and offer an excellent visual comfort. For the applications, where a higher colour definition is required, IDEALLUX offers solutions with Ra>90.



Indica il grado di autoestinguenza delle materie plastiche secondo gli standard CEI 50-11. La prova consiste nel simulare le sollecitazioni termiche che possono essere prodotte dalle sorgenti di calore e di accensione in modo da valutare il pericolo di innesco incendio. La sorgente di calore è filo incandescente di Ø4 mm con temperatura di prova: 650°C, 750°C, 850°C e 960°C. Il filo incandescente è applicato sull'involucro per 30 secondi e fiamma generata deve cessare entro 20 s dalla rimozione del filo; sotto l'involucro deve essere posizionata carta velina che non deve incendiarsi a contatto con eventuali gocce di materiale liquefatto.

It indicates the flammability degree of plastic materials according to CEI 50-11 standards. The test consists in simulating thermal stress which can be caused by heat and ignition sources in order to identify the risk of fire triggering. The heat source is a glow wire of diam. 4 mm with the test temperatures: 650°C, 750°C, 850°C and 960°C. The glow wire is applied onto the shell for 30 seconds and the generated flame has to stop within 20 s from wire removal; vellum paper should be put underneath the shell and it is not supposed to catch fire on coming in contact with any drops of liquefied material.

# MODE DE LECTURE DU CATALOGUE MÉTODO DE LECTURA DEL CATÁLOGO

**Fascio spot (SP) Spot Beam (SP)**  
**Fascio stretto (ST) Narrow Beam (ST)**  
**Fascio medio (MD) Medium Beam (MD)**  
**Fascio largo (LA) Wide Beam (LA)**

Notes/Note  
Ottiche intercambiabili senza ausilio di utensili  
Exchangeable optics without using of tools

Orientabilità  
Adjustability  
Asse X / Axis X: 45°  
Asse Y / Axis Y: 45°

H 75 = 240 mA  
H 75 = 250 mA  
H 75 = 350 mA  
H 105 = 500 mA  
H 105 = 700 mA

**MICRO GIRO**  
FASCIO/BEAM SP | ST | MD | LA

Apparecchio LED da incasso orientabile  
Adjustable recessed downlight

Turned sheet metal body, die-cast aluminum cardan group painted with epoxy powder after phosphating. Extruded aluminum heatsink. Metallized polycarbonate cover wide beam (code LA) medium beam (code MD) narrow beam (code ST) spot beam (code SP). LED light source. Direct light emission. Recessed fixing system with springs. Separate electronic driver ON/OFF. On request: dimmable DALI (code DL). Push Dim function to be specified (code PD) - Emergency autonomy 1h/3h.

8	9	10	11	12	13	14	15	16
Lumen	Watt	Lumen Watt Out	mA	Codice Code	Fascio Beam	K	Alimentazione Power Supply	Colore Colour
890	7	≤ 127	200	HRMCGR1	SP: fascio spot spot beam		-- ON/OFF electronica electronic	● SB: Silver Bombalai ● BL: Bronze Lario ● RF: Rust Flame ● SF: Strage Futura ● WI: White Istra ● GC: Gold Gankar ● BT: Blue Felica ● BL: Black Lava
1100	9	≤ 122	250	HRMCGR2	ST: fascio stretto narrow beam	WW: 2700 X:3500 N:4000	DL: DALI	
1570	13	≤ 121	350	HRMCGR3	MD: fascio medio medium beam			
2150	18	≤ 120	500	HRMCGR4	LA: fascio largo wide beam			
2950	26	≤ 114	700	HRMCGR5				

5  
6  
7

Temperatura ambiente min. -10° -10° +40° C.  
Lumen: Basato sulle misurazioni CRI90. CRI90  
Variazione lumen con CRI85 + 8%, con CRI80 - 8%.  
Fluxo luminoso di riferimento  
Tolleranza: ± 10%

Mda and Max room temperature: -10° +40° C.  
Lumen: based on measurements with CRI90. CRI90  
Flux variation with CRI85 + 8% with CRI80 - 8%.  
Reference luminous flux  
Tolerance: ± 10%

Ottica SP 15°  
Ottica ST 25°  
Ottica MD 40°  
Ottica LA 60°

H (mm) Ø (mm) H (mm) Ø (mm) H (mm) Ø (mm) H (mm) Ø (mm)

1: 100 100 100 100 100 100 100 100  
2: 100 100 100 100 100 100 100 100  
3: 100 100 100 100 100 100 100 100  
4: 100 100 100 100 100 100 100 100

- 1 Image du produit.  
Imagen del producto.
- 2 Dimension produit.  
Dimensión del producto.
- 3 Dessin des faisceaux disponibles.  
Dibujo de haz disponibles.
- 4 Caractéristiques Techniques  
(voir symboles page xxxxx).  
Los símbolos mostrados indican  
configuraciones disponibles  
bajo pedido.
- 5 Symboles caractéristiques  
technico-constructif  
voir détails pages 178-179  
Datos técnicos ver símbolos  
página 178-179.
- 6 Photométries.  
Fotométrías.
- 7 Informations générales.  
Información general.

## CODE D'ORDRE | ORDER CÓDIGO

12 **CODE:**  
il s'agit du code produit à  
utiliser pour composer le code  
commande (voir rubrique  
"code commande").

**CÓDIGO:**  
es el código de producto  
que se utilizará para  
componer el código  
de pedido (consulte  
la sección "código  
de pedido").

**HRMCGR1SPNSB**

**CODE** **K** **COULEUR**  
**CÓDIGO** **HAZ** **COLOR**

**FAISCEAU**  
**HAZ**

**MICRO GIRO 7 W 4.000K FAISCEAU/HAZ SP ON/OFF SB**

**HRMCGR1MDWWDLBL**

**CODE** **FAISCEAU** **K** **COULEUR**  
**CÓDIGO** **HAZ** **ALIMENTACIÓN**

**MICRO GIRO 7 W 2.700K FAISCEAU/HAZ MOYEN/MEDIO DALI BL**

- 8 **LUMEN OUT:**  
flux total sortant de l'appareil à température de mise en régime  
(Ta 25°C) tolérance: +/- 10%.
- 9 **WATT:**  
puissance totale absorbée par le réseau électrique de l'appareil d'éclairage. La  
donnée indiquée tient compte de la consommation du transformateur électronique  
avec un appareil stabilisé à un régime thermique fonctionnant dans un endroit où la  
température est égale à 25°C. Tolérance: +/- 10%.
- 10 **LUMEN / WATT OUT:**  
rendement réel de l'appareil d'éclairage qui indique le flux sortant pour chaque Watt  
absorbé par le réseau électrique.
- 11 **mA**  
indique la valeur actuelle utilisée pour alimenter le module LED.
- 12 **CODE:**  
il s'agit du code produit à utiliser pour composer le code commande (voir rubrique  
"code commande").
- 13 **FASCEAU:**  
indique l'ouverture angulaire du faisceau lumineux.
- 14 **TEMPÉRATURE DE COULEUR:**  
température de la couleur de la LED exprimée en degrés Kelvin Utilisez les lettres  
indiquées pour compléter le code produit : « N » pour luminaire équipé de LED  
4000K (standard) ou « W » pour luminaire équipé de LED 3000K, « C » pour  
luminaire équipé de LED 6000K.
- 15 **ALIMENTATION:**  
identifie le type de câblage de l'appareil. La version standard dispose d'une  
alimentation électronique ON/OFF ; le câblage spécial dimmable est identifié par :  
alimentation DL DALI ou alimentation PD push-dim. L'abréviation relative au type  
d'alimentation doit être utilisée pour composer le code appareil, les codes qui ne  
contiennent pas d'informations relatives au type d'alimentation seront gérés en  
standard, donc ON/OFF.
- 16 **COULEUR:**  
c'est un code alphabétique qui identifie la couleur du corps du luminaire, la couleur  
est indiquée dans le tableau. Exemple SB = Silver Bombalai, BL = Brone Lario, etc.

**LUMEN OUT:**  
flujo total de salida del aparato a temperatura de trabajo (Ta 25°C)  
tolerancia: +/- 10%.

**WATT:**  
es la potencia total absorbida por la red eléctrica de la luminaria. El dato indicado  
incluye el consumo del balasto electrónico con la luminaria estabilizada a régimen  
térmico funcionando en un entorno con temperatura de 25°C. Tolerancia: +/- 10%.

**LUMEN/WATT OUT:**  
indica la eficacia real de la luminaria indicando el flujo luminoso emitido por cada  
Watt absorbido por la red eléctrica.

**mA**  
indica el valor actual utilizado para alimentar el módulo LED.  
**CÓDIGO:**  
es el código de producto que se utilizará para componer el código de pedido  
(consulte la sección "código de pedido").


**HAZ:**  
indica la apertura angular del haz de luz.

**TEMPERATURA DE COLOR:**  
indica la temperatura de color de la LED expresada en grado Kelvin Utilice las letras  
indicadas para completar el código de producto: "N" para luminaria equipada con  
LED 4000K (estándar) o "W" para luminaria equipada con LED 3000K, "C" para  
luminaria equipada con LED 6000K.

**ALIMENTACIÓN:**  
identifica el tipo de cableado del aparato. La versión estándar cuenta con una fuente  
de alimentación electrónica ON/OFF; El cableado especial regulable se identifica  
con: fuente de alimentación DL DALI o fuente de alimentación PD push-dim. Para  
componer el código del dispositivo se debe utilizar la abreviatura relativa al tipo de  
fuente de alimentación, los códigos que no contengan información relativa al tipo de  
fuente de alimentación serán gestionados de forma estándar, por lo tanto ON/OFF.

**COLOR:**  
es un código alfabético que identifica el color del cuerpo de la luminaria, el color se  
muestra en la tabla. Ejemplo SB = Silver Bombalai, BL = Brone Lario, etc.

## SYMBOLES ET ABRÉVIATIONS SÍMBOLOS Y ABREVIATURAS

	Certifie que le produit est réalisé au sein de l'Union Européenne et dans le respect des normes de sécurités en vigueur	<i>Certifica que el producto es realizado en el ambito de la Comunidad Europea y respeta las normas de seguridad vigentes</i>
	Classe d'isolation 1	<i>Clase de aislamiento 1</i>
	Classe d'isolation 2	<i>Clase de aislamiento 2</i>
	Classe d'isolation 3	<i>Clase de aislamiento 3</i>
	Luminaire adapté pour une installation en intérieur	<i>Luminaria adecuada para uso en interiores</i>
	accessoire de fixation de rail	<i>accesorio de fijación de carril</i>
	Base pour fixation murale	<i>Base para fijación a pared</i>
	Indique les tensions de travail de l'appareil	<i>Indica las tensiones operativas de la luminaria</i>
	Indique les tensions de travail de l'appareil	<i>Indica las tensiones operativas de la luminaria</i>
	Indique les fréquences de travail de l'appareil	<i>Indica las frecuencias operativas de la luminaria.</i>
	Indique la valeur maximale concernant la sélection du chip led exprimée par la taille de l'ellipse MacAdam.	<i>Identifica el valor máximo relativo de la selección del CHIP LED indicado con el número de MacAdam de elipses.</i>
	Indice d'éblouissement	<i>Indice de deslumbramiento</i>
	Durée de vie LED	<i>Viad Util LED</i>
	Garantie. Plus de détails sur notre page Web.	<i>Garantía. más detalles en nuestra página web.</i>
	Classe de consommation d'énergie	<i>Clase de consumo de energia</i>
	Schéma di connexion pour appareil DALI	<i>Esquema de conexión luminaria DALI</i>
	Possibilité d'équipement avec fonction "PUSH-DIM" (allumage et dimmer commandés par la touche N. A).	<i>Posibilidad de equipamiento con función "PUSH-DIM" (encendido i regulación controlados co teca N.A.).</i>
	Possibilité de gérer la température de couleur de la lumière en faisant varier l'alimentation (baisser l'intensité lumineuse crée une lumière chaude)	<i>Capacidad para gestionar la temperatura de color de la luz variando la fuente de alimentación (al reducir la intensidad de la luz se crea una luz cálida)</i>
	LED avec lumière spéciale pour se démarquer et mettre en valeur les objets avec des couleurs saturées; convient aux tissus, objets et toutes applications où la couleur de l'objet doit être mise en valeur	<i>LED con luz especial para resaltar y resaltar objetos con colores saturados; Adecuado para tejidos, objetos y todas las aplicaciones donde se debe resaltar el color del objeto</i>
	LED avec lumière spéciale pour rehausser les nuances des produits végétaux; convient pour les étalages de fruits et légumes	<i>LED con luz especial para realzar las tonalidades de los productos vegetales; Apto para exhibiciones de frutas y verduras</i>
	LED avec lumière spéciale pour faire ressortir les tons blancs; convient pour les vêtements, les bijoux et tous les produits où il est nécessaire de mettre en valeur la couleur blanche de la surface	<i>LED con luz especial para resaltar los tonos blancos; Apto para ropa, bisutería y todos los productos donde sea necesario resaltar el color blanco de la superficie</i>
	LED avec lumière spéciale pour rehausser le ton des produits carnés; convient pour les comptoirs réfrigérés, les bouchers, et tous les cas où il est nécessaire de mettre en évidence la couleur rose/rouge des marchandises exposées.	<i>LED con luz especial para realzar el tono de los productos cárnicos; Apto para mostradores refrigerados, carnicerías y todos los casos en los que sea necesario resaltar el color rosa / rojo de la mercancía expuesta.</i>
	Absence vacillante	<i>Ausencia parpadeo</i>

# SYMBOLES ET ABRÉVIATIONS SÍMBOLOS Y ABREVIATURAS

IK ..  
EN 60068

Suivi d'un chiffre définit le degré de protection de l'emballage du produit contre les impacts mécaniques externes.

Seguido de un dígito indica el grado de resistencia al impacto de la cubierta externa de la luminaria.

Code IK Código	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Énergie d'impact en Joule Energía de impacto en Joules	-	0,15	0,2	0,35	0,5	0,7	1	2	5	10	20

IP ..  
EN 60529

Indique le degré de protection de l'appareil contre les poussières et l'eau. Indica el grado de protección de la luminaria al polvo y al agua.

PREMIER CHIFFRE PRIMERA CIFRA		DEUXIÈME CHIFFRE SEGUNDA CIFRA		LETTRE OPTION AJOUTÉE LETRA OPCIONAL ADJUNTA	
Livello	Definizione Definition	Livello	Definizione Definition	Livello	Definizione Definition
<b>IPOX</b>	Aucune protection au contact et à l'entrée d'objets. Ninguna protección al contacto o ingreso de objetos.	<b>IPX0</b>	Non protégé. No protegido	<b>A</b>	Protégé contre l'accès avec le dos de la main. Protegido contra el encendido con el dorso de la mano.
<b>IP1X</b>	N'importe quelle grande superficie du corps, comme le dos de la main, mais aucune protection contre le contact intentionnel avec une partie du corps. (50 mm). Cualquier superficie grande del cuerpo, como el dorso de la mano, pero ninguna protección contra el contacto intencional con una parte del cuerpo (50 mm).	<b>IPX1</b>	Protégé contre la chute verticale de gouttes d'eau. Protegido de la caída vertical de gotas de agua.	<b>B</b>	Protégé contre l'accès avec un doigt. Protegido del encendido con un dedo.
<b>IP2X</b>	Protégé contre des corps solides de dimension supérieure à 12 mm. Protegido de cuerpos sólidos superiores a 12 mm.	<b>IPX2</b>	Protégé contre les chutes de gouttes d'eau ayant une inclinaison maximale de 15°. Protegido de caída de gotas de agua con inclinación máxima 15°.	<b>C</b>	Protégé contre l'accès avec un outil. Protegido contra el encendido con un instrumento.
<b>IP3X</b>	Protégé contre les corps solides ayant une dimension supérieure à 2,5 mm. Protegido de cuerpos sólidos superiores a 2,5 mm.	<b>IPX3</b>	Protégé contre la pluie. Protegido de la lluvia.	<b>D</b>	Protégé contre l'accès avec un fil. Protegido del encendido con cuerda o cable.
<b>IP4X</b>	Protégé contre les corps solides ayant une dimension supérieure à 1 mm. Protegido de cuerpos sólidos de dimensión superior a 1 mm.	<b>IPX4</b>	Protégé contre les jets. Protegido de salpicaduras.		
<b>IP5X</b>	Protégé contre la poussière. Protección del polvo.	<b>IPX5</b>	Protégé contre les jets d'eau. Protegido de chorros de agua.		
<b>IP6X</b>	Totalement protégé contre la poussière. Completamente protegido del polvo.	<b>IPX6</b>	Protégé contre les submersions. Protegido de olas		
		<b>IPX7</b>	Protégé contre une immersion temporaire. Protegido de inmersión temporal		
		<b>IPX8</b>	Protégé contre une immersion continue. Protegido de inmersión continua.		

RG.  
EN 62471

RG En accord avec le paragraphe 6.1 de la norme EN 62471 : 2008 les groupes de risques (pour la lumière bleue) sont définies comme suit:

• **RG 0 Risque 0**

Le concept de base pour la classification du groupe risque 0 définit que la lampe ne provoque aucun risque photobiologique. Cette condition est remplie par toutes les lampes qui ne provoquent pas de risque rétinien, lié à la lumière bleue, (LB) compris dans les 10.000 s (environ 2,8 h) d'exposition.

• **RG 1 Risque faible**

Le concept de base adopté pour cette classification définit que la lampe ne provoque pas de risques dus aux limitations normales de fonctionnement sur l'exposition. Cette exigence est satisfaite par toute lampe qui excède les limitations du Gruppo Esente (Risque 0) mais ne provoque pas de risque rétinien lié à la lumière bleue (LB) compris dans les 100 s d'exposition.

• **RG 2 Risque modéré**

Le concept de base adopté pour la classification du Gruppo di Rischio 2 (Risque modéré) définit que la lampe ne provoque pas de risque après une réaction instinctive en regardant des sources de lumière très lumineuse (après sensation de désagrément thermique). Cette exigence est satisfaite par n'importe quelle lampe qui excède les limites du Gruppo di Rischio 1 (Risque faible) mais ne provoque pas un risque rétinien lié à la lumière bleue (LB) compris dans les 0,25 s d'exposition (réponse adverse).

• **RG 3 Risque élevé**

Le concept de base adopté pour la classification définit que la lampe peut constituer un risque même après une exposition momentanée ou brève. Les lampes qui dépassent les limites du Gruppo di Rischio (Risque élevé) sont incluses dans le Gruppo di Rischio 3 (Risque élevé).

RG En acuerdo al par 6.1 de la EN 62471:2008 los grupos de riesgo (por luz azul) son definidos como sigue:

• **RG 0 Riesgo Exento**

El concepto básico para la clasificación del grupo Exento es que la lámpara no cause ningún riesgo fotobiológico. Este requisito se cumple con cualquier lámpara que no provoque riesgo retiniano por luz azul (LB) hasta 10.000s (aproximadamente 2,8 h) de exposición.

• **RG 1 Riesgo Bajo**

El concepto básico de esta clasificación es que la lámpara no cause ningún riesgo a normales limitaciones de funcionamiento en exposición. Este requisito es cumplido por cualquier lámpara que excede los límites de Grupo Exento, mas no causa riesgo retiniano por luz azul (LB) hasta 100 s de exposición.

• **RG 2 Moderado**

El concepto básico para la clasificación del Grupo de Riesgo 2 (Riesgo Moderado) es que la lámpara no cause riesgo como resultado de una reacción instintiva mirando fuentes de luz muy luminosas (o luego de sensación de desequilibrio térmico). Este requisito es cumplido por cualquier lámpara que supera los límites del Grupo de Riesgo 1 (Riesgo Bajo), pero no causa riesgo retiniano por luz azul (LB) hasta 0,25 s exposición (respuesta adversa).

• **RG 3 Riesgo Elevado**

El concepto de base para esta clasificación es que la lámpara puede constituir riesgo aún luego de exposición breve o momentánea. Las lámparas que excedan los límites del Grupo de Riesgo 2 se incluyen en el Grupo de Riesgo 3 (Riesgo Elevado).

>90  
CRI

Il Ra (Rendering index) / CRI (Colour Rendering index) indique le rendement des couleurs des objets éclairés. Des appareils avec un indice Ra>80 sont parfaits pour l'illumination générale d'intérieur et offrent un confort visuel optimal. Pour des applications nécessitant une définition majeure des couleurs Ideallux propose des solutions avec un Ra>90.

Il Ra (Rendering index) / CRI (Colour Rendering index) indica cuánto naturales aparecen los colores de los objetos iluminados por tal. Dispositivos con índice Ra> 80 perfectos para iluminación general de interiores y proporcionan un excelente confort visual. Para aplicaciones donde se requiere una mayor definición de color IDEALLUX propone soluciones con Ra> 90.

850°  
EN 60598

Indique le degré d'auto-extinction des matières plastiques selon les standards CEI 50-11. Le Test consiste à simuler les sollicitations thermiques qui peuvent être produites par les sources de chaleur et d'allumage pour évaluer le danger d'amorcer un incendie. La source de chaleur est un fil incandescent de Ø4 mm avec une température d'essai de : 650°C, 750°C, 850°C et 960°C. Le fil incandescent est appliqué sur l'enveloppe pendant 30 secondes et la flamme provoquée doit cesser dans les 20 secondes après avoir enlevé le fil ; un papier vélin, qui ne doit pas s'enflammer au contact avec certains matériaux liquéfiés, doit être positionné sous l'enveloppe.

Indica el grado de auto extinción del material plástico según los estándares estadounidense CEI 50-11. La prueba consiste en simular la tensión térmica que puede producirse a partir de fuentes de calor y de ignición, a fin de evaluar el peligro de ignición o incendio. La fuente de calor es alambre incandescente Ø4 mm con temperaturas de prueba: 650° C, 750° C, 850° C y 960° C. El alambre incandescente se aplica a la cubierta por 30 segundos y la llama generada debe cesar antes de 20 s después de la extracción del alambre; debajo de la cubierta se coloca papel de seda que no debe encender en contacto con eventuales gotas material licuefactible.

# INDICE ANALITICO PRODOTTI E ACCESSORI

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HRVKL4C	120
HRVKL4E	120
HRVKL4G	120
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# CONDIZIONI GENERALI DI VENDITA

## GENERAL SALES CONDITIONS

### 1. PREMESSE

Le forniture comprendono solo quanto espressamente specificato nella conferma di accettazione dell'ordine della ditta Venditrice e sono regolate dalle presenti condizioni generali, salvo deroghe risultanti da esplicito accordo scritto. Eventuali variazioni o comunicazioni durante il corso della fornitura non costituiscono invalidazione del contratto. I termini di consegna convenuti hanno valore indicativo e non tassativo. In qualunque momento l'esecuzione della fornitura potrà essere sospesa in caso di mutamento nelle condizioni patrimoniali del Committente ai sensi dell'Art. 1461 del Codice Civile.

### 2. PREZZI

I prezzi si intendono Franco Fabbrica della ditta Venditrice. Essi non comprendono prestazioni ed oneri non menzionati. Gli imballaggi sono inclusi nel prezzo, salvo diversa pattuizione scritta.

### 3. VARIABILITA' PREZZI

I prezzi indicati nel contratto sono stati calcolati in base ai costi dei materiali e della manodopera alla data del contratto stesso, in base alle relative tabelle dell'ANIE. Il sistema di calcolo delle variazioni di qualsiasi entità in più o in meno, che dovessero verificarsi su detti costi durante il periodo dell'esecuzione della vendita, verrà effettuato in base alle clausole di variabilità prezzi vigenti per apparecchi di illuminazione pubblicato dall'ANIE.

### 4. MODALITA' DI PAGAMENTO

Si riconoscono solo i pagamenti fatti direttamente al nostro domicilio o a persone da noi autorizzate.

### 5. RISERVA DI PROPRIETA'

La ditta Venditrice conserva la proprietà sui materiali fino a totale pagamento di essi, ma i rischi sono assunti dal compratore sin dalla consegna. Qualunque atto del Committente che, salvo esplicito consenso scritto della Ditta Venditrice, involga pregiudizio al diritto della Ditta Venditrice alla rivendita del materiale, sarà sottoposto alle sanzioni di legge.

### 6. CONSEGNA

Il termine di consegna indicato non impegna la Ditta Venditrice, la quale non è tenuta a corrispondere indennizzi di sorta per eventuali danni diretti ed indiretti dovuti a ritardi di consegna o ad interruzione od a risoluzione parziale o totale della fornitura. Il termine di consegna decorre dalla data della conferma d'ordine e in ogni caso non ha inizio prima del ricevimento della rata di pagamento all'ordine quando essa sia stata concordata. Esso si intende di diritto adeguatamente prorogato se i pagamenti non vengono effettuati puntualmente, se il Committente manca di fornire in tempo utile quanto stabilito nel contratto o se comunque insorgano cause indipendenti dalla Ditta Venditrice, ivi compresi eventuali ritardi di subfornitori.

### 7. RESO MERCE

La merce può essere resa esclusivamente previa autorizzazione della Ditta Venditrice e con un deprezzamento minimo del 30%

### 8. TRASPORTO

La merce viaggia rischio e pericolo del Committente comprese le eventuali rotture anche se spedita in porto franco. Trascorsi 8 giorni dal ricevimento non si accettano reclami. Gli ordini saranno evasi secondo la disponibilità e le spedizioni potranno essere fatte anche parzialmente.

### 9. DATI TECNICI

I materiali forniti, salvo diverse particolari prescrizioni da concordarsi per iscritto, corrispondono alle vigenti norme del CEI - Comitato Elettrotecnico Italiano, ove queste siano applicabili. La ditta Venditrice si riserva di apportare in qualunque momento ai propri prodotti quelle modifiche che ritenesse tecnicamente convenienti. I disegni della Ditta Venditrice sono di sua proprietà e non possono dal Committente essere consegnati a terzi né prodotti senza autorizzazione scritta.

### 10. GARANZIA

Ideallux garantisce i suoi prodotti per 24 mesi dalla data di fabbricazione indicata sul prodotto. La garanzia copre tutti i difetti di fabbricazione siano essi di natura meccanica o elettronica. Non sono inclusi in garanzia tutti i danni causati dalla movimentazione e/o utilizzo errato e non conforme a quanto riportato sulle istruzioni d'uso. La garanzia decade nel caso in cui i prodotti vengano manomessi e/o modificati. Il prodotto difettoso per cui è richiesto l'intervento in garanzia, può essere riparato o sostituito con un articolo complementare sia nuovo che ricondizionato ad insindacabile giudizio di Ideallux. I prodotti che riportano il marchio "5 years warranty" sono coperti da 5 anni di garanzia considerando 14h/giorno per 365 giorni solari annuali, nel rispetto del lifetime indicato sulla scheda prodotto. I reclami per interventi in garanzia entro i 5 anni dalla data di fabbricazione (ad esclusione di quelli ricevuti entro i termini legislativi sopra indicati) saranno soggetti ad approvazione di Ideallux. Guasti che rientrano nella difettosità fisiologica dichiarata e comunque entro il 5% del totale degli articoli installati non sono coperti dalla garanzia 5 anni. Termini e condizioni generali di garanzia sono disponibili e possono essere richiesti presso la sede Ideallux.

### 11. CONTROVERSIE

I contratti, anche se stipulati con cittadini esteri o per materiali forniti all'estero, sono regolati dalla vigente legislatura italiana. Foro competente è soltanto quello avente giurisdizione nella sede legale della Ditta Venditrice anche in deroga agli art. 32 e seguenti del Codice di Procedura Civile, esclusa per il Committente la possibilità di adire l'Autorità Giudiziarie di altro luogo anche in via di garanzia o di connessione di causa, ma salva la facoltà alla Ditta Venditrice di esperire, in qualità di attrice, un'azione nel luogo di residenza, in Italia o all'estero, del Committente. Le eventuali contestazioni non dispensano il Committente dall'osservare le condizioni di pagamento pattuite e non implicano alcun prolungamento dei termini convenuti. Le spese di contratto, la sua registrazione e l'eventuale trascrizione sono a carico del Committente.

### 1. INTRODUCTION

*The supplies include only what is expressly specified in the order acceptance confirmation of the Vending Company and are governed by these general conditions, save for provisions resulting from an explicit written agreement. Any changes or notifications during the supply do not constitute the invalidation of the contract. The agreed delivery terms are merely indicative and are not binding. The execution of the supply may be suspended at any time due to changes to the financial conditions of the Buyer in accordance with the Art. 1461 of the Italian Civil Code.*

### 2. PRICES

*The prices are Ex-works of the Vending Company and do not include services at charges that have not been mentioned. The packages are included in price. The package cannot be returned, save for a different written agreement.*

### 3. CHANGES IN PRICES

*The prices shown in the contract were calculated based on the costs of the materials and of the labor on the date of the contract based on the related ANIE tables. The calculation system of any kind of changes, whether more or less, that may arise to said costs during the period of execution of the sale will be carried out based on the clauses of the changes of prices in force for lighting equipment published by ANIE.*

### 4. PAYMENT

*We recognize as valid payment only the ones made directly to our address or to our authorized people.*

### 5. RETENTION OF TITLE

*The Vending Company keeps the ownership of materials until paid in full, but the risks are assumed by the Buyer upon delivery. Any action of the Buyer, that results in prejudice to the right of the Vending Company to resell the material, will be subjected to legal sanctions, save for the explicit written consent of the Vending Company.*

### 6. DELIVERY

*The delivery period shown does not bind the Vending Company, which is not bound to pay indemnities arising from any direct or indirect damage due to delivery delays, downtime or the partial or total return of the supply. The delivery period is effective from the date of the order confirmation and in any case does not begin prior to having received the payment instalment for the agreed amount. This term is adequately extended by right if the payments are not made punctually, if the Buyer fails to supply what is set out in the contract in useful time or if causes nonetheless arise regardless of the Vending Company, therein including any delays of sub-contractors.*

### 7. RETURN OF GOODS

*The goods may only be returned upon the authorization of the Vending Company and with a depreciation of 30%.*

### 8. TRANSPORT

*The goods travel at Customer's risks and danger, even in case of damage in fall of delivery terms Free destination.*

### 9. TECHNICAL DATA

*Save for special prescriptions to be agreed in writing, the materials supplied correspond to the standards in force of the CEI (Italian Electrical and Technical Council), where applicable. The Vending Company reserves the right to change its products at any time where deemed technically convenient. The designs of the Vending Company are its own property and may not be given by the Buyer to third parties without written authorization.*

### 10. WARRANTY

*IDEALLUX guarantees its products for 24 months from the date of production indicated on the item. The warranty covers all manufacturing defects whether they are of a mechanical or electronic nature. All damage caused by handling and / or incorrect use, or use not in accordance with the instructions indicated in the operating instructions are not covered by this warranty. The warranty will expire if the products are tampered with and/or modified. The defective product requiring warranty intervention can be repaired or replaced with a similar article both new and reconditioned at the discretion of Ideallux. The products with mark "5 years warranty" are covered by 5 years warranty considering 14 h/day for 365 solar annual days, respecting the lifetime indicated in the product data sheet. Claims for warranty work within 5 years from the date of manufacture (except those received within the above mentioned legislative terms) will be subject to Ideallux approval. Faults that fall within the declared physiological defect and in any case within 5% of the total installed items will not be covered by the 5 years warranty. Warranty general terms and conditions are available and can be requested at Ideallux offices.*

### 11. DISPUTES

*Even if stipulated with foreign citizens or for materials supplied abroad, the contracts are governed by the Italian legislation in force. The only competent court is the one having jurisdiction in the registered office of the Vending Company, also in provision of Art. 32 and ff. of the Italian Code of Civil Procedure, apart from the Buyer's possibility of applying to the Judicial Authority of another place also as a guarantee or related cause, but save for the right of the Vending Company to carry out an action in the place of residence of the Buyer in Italy or abroad as the plaintiff. Any disputes do not waive the Buyer from observing the agreed payment conditions and do not imply any extension of the agreed terms. The costs of the contract, its registration and transcription are at the expense of the Buyer.*

Le informazioni e le caratteristiche tecniche possono essere soggette a variazioni senza preavviso. Ideallux® si riserva in qualsiasi momento, a suo giudizio e senza preavviso, di apportare modifiche ai prodotti inseriti nel proprio catalogo. I dati tecnici contenuti nel catalogo sono da considerarsi validi salvo errori e/o omissioni. La riproduzione del materiale contenuto nel presente catalogo è vietata senza il consenso scritto da parte di Ideallux®.

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# CONDITIONS GÉNÉRALES DE VENTE

## CONDICIONES GENERALES DE VENTA

### 1. GÉNÉRALITÉS

Les fournitures comprennent exclusivement les indications expressément spécifiées dans la confirmation d'acceptation de la commande par le vendeur et sont réglementées par les conditions générales présentes, sauf en cas de dérogations résultant d'accord écrit explicite. Des variations éventuelles ou des communications durant le déroulement de la fourniture ne constituent pas d'invalidation du contrat. Les termes de livraison convenus ont une valeur indicative et non impérative. À tout moment, l'exécution de la fourniture pourra être suspendue en cas de changement dans les conditions patrimoniale du Client aux termes de l'article 1461 du Code Civil.

### 2. PRIX

Les prix sont départ usine du vendeur, ils ne comprennent pas les charges pour prestations non mentionnées. Les emballages ne sont pas à retourner, sauf en cas de convention contraire écrite.

### 3. VARIATIONS DES PRIX

Les prix indiqués dans le contrat ont été calculés en fonctions des couts des matériaux et de la main d'œuvre à la date du contrat, en fonction des tableaux de l'ANIE correspondants. Le système de calcul des variations de toute entité en plus ou en moins qui aurait lieu sur ces couts durant la période de l'exécution de la vente, sera effectué en fonction des clauses de variation des prix en vigueur pour les appareils d'éclairage publiées par l'ANIE.

### 4. MODALITÉS DE PAIEMENT

Les paiements pourront être effectués uniquement au domicile du vendeur ou à des personnes autorisées.

### 5. RÉSERVE DE PROPRIÉTÉ

Le Vendeur conserve la propriété sur les matériels jusqu'au paiement total de ceux-ci mais les risques sont assumés par l'acheteur dès la livraison. Tout acte du Client, sauf en cas de consentement écrit explicite du vendeur, qui porterait préjudice au droit du Vendeur en cas de revente du matériel sera soumis à des sanctions légales.

### 6. LIVRAISON

Le délai de livraison indiqué n'engage pas le Vendeur et ne pourra pas donner droit à des indemnités d'aucune sorte pour d'éventuels dommages directs et indirects dus à des retards de livraison ou à une interruption ou à une résolution partielle ou totale de la fourniture. Le délai de livraison prend effet à partir de la date de confirmation de commande et dans tous les cas ne commence pas avant la réception du paiement accord par acompte de la commande. Sa prorogation est légalement valable : en cas de paiements qui ne seraient pas effectués ponctuellement, si le Client ne fournit pas en temps utile ce qui est établi sur le contrat ou si des causes indépendantes de la volonté du Vendeur surviennent, y compris des retards éventuels des sous-traitants.

### 7. RENDU DE MARCHANDISE

La marchandise peut être vendue exclusivement avec l'accord du vendeur et avec une dépréciation de 30 %.

### 8. TRANSPORT

La marchandise voyage aux risques et périls du Client y compris les éventuelles ruptures même si l'expédition est franco destination. Le Vendeur n'acceptera pas de réclamations au-delà du délai de 8 jours à partir de la date de réception. Les commandes seront expédiées selon les disponibilités et les expéditions pourront être effectuées même partiellement.

### 9. DONNÉES TECHNIQUES

Les matériaux fournis, sauf en cas de prescriptions particulières à accorder par écrit, correspondent aux normes en vigueur du CEI - Comité Electrotechnique Italien là où elles sont applicables. Le vendeur se réserve le droit d'apporter toute modification qu'il retient techniquement appropriée à tout moment aux propres produits. Les dessins des Vendeurs sont de sa propriété et le Client ne peut pas les livrer à des tiers, ni les produire sans autorisation écrite.

### 10. GARANTIE

Ideallux garantit tous ses produits pendant 24 mois à partir de la date de fabrication indiquée sur le produit. La garantie couvre tous les défauts de fabrication de nature mécanique ou électronique. Tous les dommages causés par la manutention et/ou l'utilisation incorrecte et non conforme aux indications figurant sur les instructions d'utilisation sont exclus de la garantie. La garantie n'est pas valable en cas d'endommagement et/ou modification des produits. Le produit défectueux pour lequel on demande une intervention sous garantie, peut être réparé ou remplacé par un article complémentaire neuf ou reconditionné selon les critères de jugement, sans appel, de Ideallux. Les produits portant la mention "5 years warranty" sont couverts par une garantie de 5 ans considérant 14 heures/jour pour 365 jours, dans le respect de la Durée de vie (lifetime) indiquée sur la fiche technique du produit. Les réclamations pour des interventions garanties durant les 5 années à partir de la date de fabrication (à l'exclusion de celles reçues dans les délais législatifs indiqués ci-dessus) seront soumises à l'approbation de Ideallux. Les pannes faisant partie d'un défaut physiologique déclaré et à hauteur de 5 % du total des articles installés ne sont pas couverts par la garantie de 5 ans. Les termes et conditions générales de garantie sont disponibles et peuvent être demandés au siège de Ideallux.

### 11. CONTROVERSES

Les contrats, même stipulés avec des citoyens étrangers ou pour des matériaux fournis à l'étranger, sont réglementés par la législation italienne en vigueur. Le tribunal compétent est exclusivement celui de la juridiction du siège légal du Vendeur même en cas de dérogation aux art. 32 et art. suivants du Code de Procédure Civile, le client n'ayant pas la possibilité de recourir aux voies légales d'un autre lieu même à titre de garantie ou de connectivité. Le Vendeur a la faculté d'avoir recours, en qualité d'acteur, à une action en justice sur le lieu de résidence du Client, en Italie ou à l'étranger. Les contestations éventuelles ne dispensent pas le client d'observer les conditions de paiement accordées et n'impliquent aucunement le prolongement des termes convenus. Les frais de contrat, son enregistrement et sa transcription éventuelle sont à la charge du Client.

### 1. PREMISAS

Los suministros incluyen solamente lo expresamente especificado al confirmar la aceptación del pedido de la Compañía Vendedora y son regulados por las presentes condiciones generales, salvo excepción resultante de un explícito acuerdo por escrito. Posibles variaciones o comunicaciones durante el transcurso del suministro no constituyen la invalidación del contrato. Los plazos de entrega convenidos tienen valor indicativo y no perentorio. En cualquier momento la ejecución del suministro podrá ser suspendida en caso de modificación de las condiciones patrimoniales del Cliente a efectos del Art. 1461 del Código Civil italiano.

### 2. PRECIOS

Los precios se suponen Franco Fábrica de la Compañía Vendedora. Los mismos no incluyen prestaciones ni cargos no mencionados. Los embalajes se consideran incluidos en el precio, salvo acuerdo contrario por escrito.

### 3. VARIACIÓN DE PRECIOS

Los precios indicados en el contrato han sido calculados según los costes del material y de la mano de obra a la fecha del contrato mismo, según el índice correspondiente de la ANIE (Asociación industrial italiana del sector eléctrico y electrónico). El cálculo del as variaciones de cualquier índole, que pudieren verificarse sobre dichos costes durante el periodo de ejecución de la venta, se efectuará según las cláusulas de variación de los precios vigentes para luminarias publicado por la ANIE.

### 4. FORMA DE PAGO

Se reconocen solamente los pagos efectuados directamente a nuestro domicilio o a nuestro personal autorizado.

### 5. RESERVA DE DOMINIO

La Compañía Vendedora mantiene la propiedad sobre los materiales hasta el pago total de estos, pero los riesgos son asumidos por parte del comprador desde el momento de la entrega. Cualquier acto del Cliente que, salvo explícito consentimiento por escrito de la compañía vendedora, afecte el derecho del Vendedor a la reventa del material, estará sujeto a las sanciones establecidas por la ley.

### 6. ENTREGA

El plazo de entrega indicado no compromete a la empresa Vendedora, la cual no está obligada a pagar indemnizaciones de ningún tipo por eventuales daños directos o indirectos como consecuencia de retrasos en la entrega o interrupción o terminación parcial o total del suministro de productos. El plazo de entrega corre desde la fecha de confirmación del pedido y en todo caso no comienza hasta la recepción de la cuota de pago en el plazo acordado. Dicho plazo se considerará automáticamente prorrogado si los pagos no se efectúan puntualmente, si el Cliente no proporciona a tiempo lo establecido en el contrato o si de todos modos surgen causas independientes de la empresa Vendedora, incluidas demoras por parte de subcontratistas.

### 7. DEVOLUCIÓN

La mercadería se puede devolver exclusivamente previa autorización de la empresa Vendedora y con una depreciación mínima del 30%.

### 8. TRANSPORTE

La mercadería viaja a riesgo y responsabilidad del Cliente incluidas las posibles roturas incluso cuando fuese enviada con porte pagado. Transcurridos ocho días de la recepción no se aceptan reclamos. Los pedidos serán despachados según la disponibilidad y los envíos pueden realizarse parcialmente.

### 9. DATOS TÉCNICOS

Los materiales suministrados, a menos que se acuerde lo contrario por escrito, corresponden a las normas vigentes del CEI - Comité Electrotécnico Italiano, donde estas sean aplicables. La empresa Vendedora se reserva el derecho de aportar en cualquier momento a sus productos aquellas modificaciones que considere técnicamente convenientes. Los diseños de la empresa Vendedora son de su absoluta propiedad y no pueden ser entregados por el Cliente a terceros ni reproducidos sin previa autorización escrita.

### 10. GARANTÍA

Ideallux garantiza sus productos por 24 meses a partir de la fecha de fabricación indicada en el producto. La garantía cubre todo defecto de fabricación sea el mismo de índole mecánica o electrónica. No están incluidos en la garantía los daños causados por manipulación y/o uso incorrectos o no conforme a lo escrito en las instrucciones de uso. La garantía queda sin efecto en el caso en que los productos fuesen alterados y/o modificados. El producto defectuoso por el cual se solicita la intervención de la garantía, puede ser reparado o sustituido con un artículo complementario nuevo o recondicionado a criterio indiscutible de Ideallux. Los productos que llevan la marca "5 years warranty" están cubiertos por 5 años de garantía considerando 14h/día por 365 días anuales, respetando la vida útil indicada en la ficha del producto. Los reclamos para aplicación de la garantía dentro de los 5 años de la fecha de fabricación (excepto aquellos recibidos antes de los términos legislativos ya indicados) serán sometidos a la aprobación de Ideallux. Aquellos defectuosos que se consideren dentro de la defectuosidad fisiológicamente declarada y en todo caso dentro del 5% del total de los artículos instalados no están cubiertos por la garantía de 5 años. Los plazos y las condiciones generales de garantía están disponibles y pueden ser requeridos a la sede de Ideallux.

### 11. CONTROVERSIAS

Los contratos, incluso cuando fueren celebrados con ciudadanos extranjeros o para materiales vendidos al exterior, son regulados por la legislación italiana vigente. El Foro competente será exclusivamente el que tenga jurisdicción en la sede legal de la empresa Vendedora no obstante lo dispuesto por el Art. 32 y siguientes del Código de Procedimiento Civil Italiano, excluida para el Cliente la posibilidad de recurrir a la Autoridad Judicial de otro lugar, incluso como garantía o en relación con la causa, pero sin perjuicio de la facultad de la empresa Vendedora de interponer una acción al Cliente, en calidad de demandante, en el lugar de residencia, en Italia o al exterior. Las eventuales disputas no eximirán al Cliente de respetar las condiciones de pago pactadas y no implican ninguna prolongación de los plazos convenidos. Los gastos de contrato, su registro y la eventual transcripción quedan a cargo del Cliente.

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