



.MINUS

OPTION .A

[mm] [in]

39
(24 + 15)
1.53
(0.94 + 0.59)

Versione con alimentazione remota (alimentatore non incluso). Per info vedi pp. 258 - 259, Dettagli J. Box a p. 256
Remote power supply version (driver not included). For info see pp. 258 - 259, J. Box details at p. 256

OPTION .B

[mm] [in]

52
(24 + 28)
2.04
(0.94 + 1.10)

145
5.70

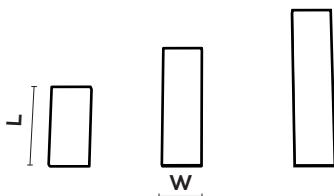
Versione con alimentazione integrata (alimentatore non incluso). Per info vedi p. 259 - **SOLO CONFORMITÀ EUROPEA**
Integrated power supply version (driver not included). For info see p. 259 - **ONLY CONFORMITÉ EUROPÉENNE**

Installazione Installation

A soffitto
Ceiling



A parete
Wall



GENERAL INFO



IP65 e UL DAMP LOCATION su richiesta
On request IP65 and UL DAMP LOCATION

Minus a parete o a soffitto

Alluminio - Metacrilato

2700K/ 3000K/ 3500K/ 4000K/ 5700K/ TW - CRI > 90

Temperature colore 2000K, 2200K, 2500K, 5000K, 6500K, RGB, RGBW e RGBTW su richiesta
Nichia Optisolis™ (CRI 100) e *Nichia Vitasolis™* su richiesta

Minus wall or ceiling

Aluminum - Methacrylate

2700K/ 3000K/ 3500K/ 4000K/ 5700K/ TW - CRI > 90

On request color temperature 2000K, 2200K, 2500K, 5000K, 6500K, RGB, RGBW and RGBTW
On request *Nichia Optisolis™* (CRI 100) and *Nichia Vitasolis™*

Finiture alluminio

Aluminum finishings

Standard
Standard

Speciali
Special

○ bianco
white



● nero
black

○ (esempi)
(examples)



Colori e finiture speciali alluminio su richiesta (vedi p. 250)
On request special aluminium colors and finishings (see p. 250)

Finiture opale

Opal finishings

Standard
Standard

Speciali
Special

○ lucido
gloss

opal milling

○ opaco
matte

opal sculpture

Finiture speciali opale su richiesta (vedi p. 253)
On request opal special finishings (see p. 253)

Dimensioni Size

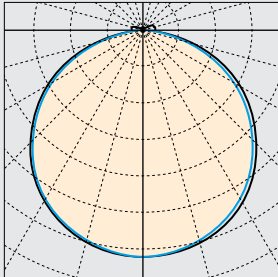
	W		L	
	[mm]	[in]	[mm]	[in]
100 mm	3.93 in	x	200 mm	7.87 in
100 mm	3.93 in	x	300 mm	11.81 in
100 mm	3.93 in	x	400 mm	15.74 in

Altre dimensioni su richiesta
Custom sizes available



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Polar diagram [cd/klm]



C180 — C270 — C0 — C90

UGR

X = 4 H, Y = 8 H

S = 0.25 H

Indici di riflessione
Reflectance indexes

70/ 50/ 20

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UGR trasversale
UGR crosswise

UGR longitudinale
UGR endwise

100 x 200 mm

3.93 x 7.87 in

< 19

< 19

100 x 300 mm

3.93 x 11.81 in

19,4

18,9

100 x 400 mm

3.93 x 15.74 in

19,5

19,1

Posizione LED

LED position

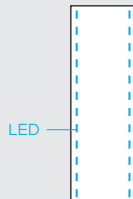
L1

un lato LED
one LED side



L2

due lati LED
two LED sides



Nichia Optisolis™ e Nichia Vitasolis™ su richiesta
On request Nichia Optisolis™ and Nichia Vitasolis™

LIGHT INFO

LED Lifespan: L90 > 60.000 ore a 50° Celsius
Blue Light risk group (200 mm): EXEMPT UNLIMITED
Garanzia: 2 anni (disponibile estensione fino a 5 anni su richiesta)
Input LED: 24 V DC
Driver - Trasformatore: AC/DC 24 V

LED Lifespan: L90 > 60.000 hours at 50° Celsius
Blue Light risk group (200 mm): EXEMPT UNLIMITED
Warranty: 2 years (on request extension up to 5 years available)
Input LED: 24 V DC
Driver - Transformer: AC/DC 24 V

Temperatura colore Color temperature

- 2700 K
- 4000 K
- 3000 K
- 5700 K
- 3500 K
- Tunable White

CCT 2000K, 2200K, 2500K, 5000K, 6500K, RGB, RGBW e
RGBTW su richiesta
On request CCT 2000K, 2200K, 2500K, 5000K, 6500K, RGB,
RGBW and RGBTW

Flusso luminoso output e potenza Luminous flux output and power

Dimensione	L1	L2	Potenza
100 x 200 mm 3.93 x 7.87 in	157 lm	300 lm	4,5 W 9 W
100 x 300 mm 3.93 x 11.81 in	265 lm	500 lm	6,5 W 13 W
100 x 400 mm 3.93 x 15.74 in	360 lm	700 lm	9 W 18 W

Info LED LED info

CRI $R_a = 100$ (Nichia Optisolis™) su richiesta
On request CRI $R_a = 100$ (Nichia Optisolis™)

CRI R_a min 90
 R_g min 50

LED Nichia

Dimmerabile Si (vedi pp. 258 - 259)
Dimmable Yes (see pp. 258 - 259)



illuminations

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404.876.1064

sales@illumco.com

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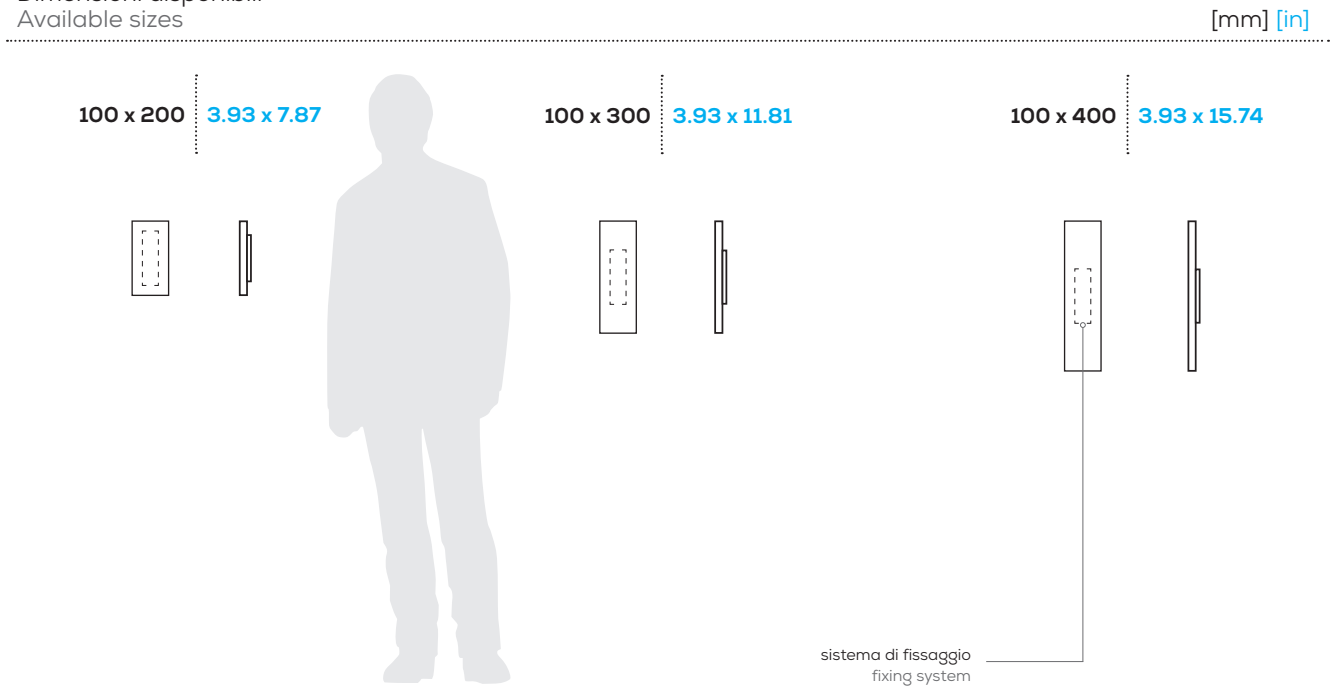
Codice prodotto
Product code

								[mm] [in]	
prodotto product	dimensioni sizes	flusso luminoso luminous flux	CCT	finiture alluminio aluminium finishings	finitura opale opal finishings	fissaggio fastening			
MLA .MINUS alimentazione remota remote power supply	10 100 x 200	L1 1 lato LED 1 LED side	27 2700 K	W bianco white	G lucido gloss	W a parete wall			
	20 3.93 x 7.87								
MLB .MINUS alimentazione integrata integrated power supply	10 100 x 300	L2 2 lati LED 2 LED sides	30 3000 K	B nero black	M opaco matte	C a soffitto ceiling			
	30 3.93 x 11.81		35 3500 K						
	10 100 x 400		40 4000 K	S speciale ¹ special ¹	OM opal milling [*]				
	40 3.93 x 15.74		57 5700 K			OS opal sculpture ¹			
			TW Tunable White						
			RQ su richiesta on request						

¹Finiture speciali su richiesta (vedi pp. 250 - 253)

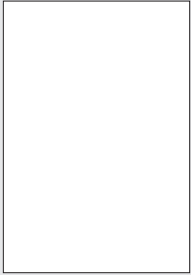
¹On request special finishings (see pp. 250 - 253)

Dimensioni disponibili
Available sizes



DETTAGLI E FINITURE DETAILS AND FINISHINGS

Finiture standard alluminio
Standard aluminium finishings



Bianco
White



Nero
Black

Finiture speciali alluminio - verniciatura (esempi)
Special aluminium finishings - liquid painting (e.g.)



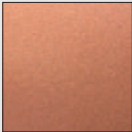
Bronzo
Bronze



Ottone
Brass



RAL 3005



Rame
Copper



RAL 7035

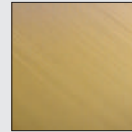


RAL 7033

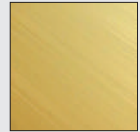
Finiture speciali alluminio - ossidazione (esempi)
Special aluminium finishings - oxidation (e.g.)



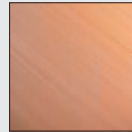
Bronzo
Bronze



Ottone
Brass



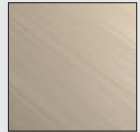
Oro
Gold



Rame
Copper



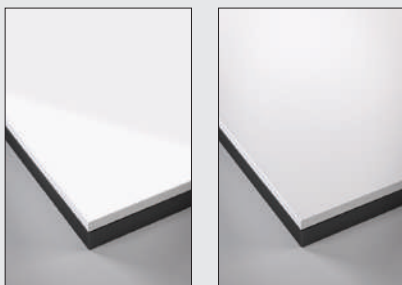
Cromato
Chrome



Champagne
Champagne

FINITURE OPALE OPAL FINISHINGS

Finiture standard opale
Standard opal finishings

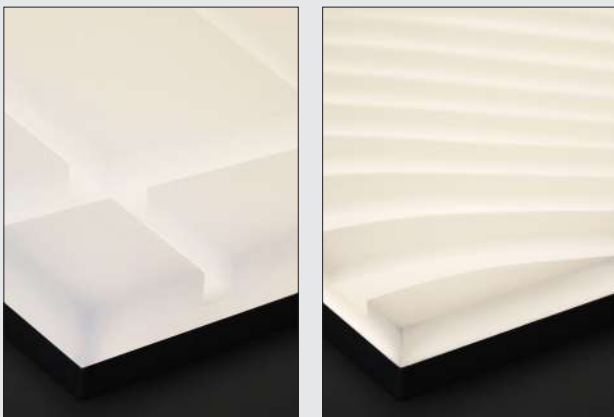


Lucido
Gloss

Opaco
Matte

OPAL MILLING

Finiture speciali opale - fresatura
Special opal finishings - milling



Su richiesta grafica personalizzabile
On request customizable graphic

La tridimensionalità, resa dalla fresatura del diffusore opale, crea dinamicità sulla superficie e permette alla luce di muoversi tra effetti di chiaro-scuro. L'alta qualità della sorgente luminosa è garantita dalla tecnologia FOLIO® che, unita alla fresatura, consente di lavorare con precisione anche le trame più complesse.

The three-dimensionality, made by milling the opal diffuser, creates dynamism on the surface, allowing brightness to move between light and shade effects. The high quality of the light source is guaranteed by the FOLIO® technology which, together with the milling, allows to create with precision even the most complex textures.

OPAL SCULPTURE

Finiture speciali opale - incisione laser
Special opal finishings - laser engraving



Su richiesta grafica personalizzabile
On request customizable graphic

L'incisione della superficie opale attraverso lavorazioni laser di ultima generazione, impreziosisce la sorgente luminosa creando delicati bassorilievi che le conferiscono carattere ed individualità. L'elevata precisione del processo di rimozione del materiale tramite incisione laser garantisce l'eccellente resa dei prodotti FOLIO®.

The opal surface engraving, through latest laser technologies, make the luminous fount more precious making delicate low reliefs that give character and individuality to the panels. The high precision of the material removal process by laser engraving guarantees the excellent yield of the FOLIO® products.