440 mm.   70 mm.   4 mm. Ø
220 mm.   25 mm.
75 mm.   35 mm.
15 mm.

Model	Code	Colour	CCT / λ
HB35LA-6W24-S	HTL 000841	White	6500k
HB35LA-3W24-S	HTL 000845	White	6500k

Description

The "HB35LA" series includes 2 different models of bars which are equipped with exclusive optics for the perimeter lighting of light boxes, a model with 6 LED and a model with 3 LED. The surface to be illuminated can be in textile or PMMA Opal 3mm.

Applications

- Light box with deepth mm 100 to mm 170.
- Perimetral lighting systems.
- Wall washing lighting applications.
- Architectural and decorative applications.

Benefits

- The 22°x50° lens optimizes perimetral lighting.
- End connectors to connect the bars to each other's.
- The 3M adhesive offers greater speed and safety in the fixing operations, contributing to the reduction of costs.
- The production date is printed on the product for traceability.
- Switching driver stabilizer for LEDs.
- Integrated EMI filter.

Features

Operating Voltage	DC 24 V
Power HB35-6W24-S	15 W
Power HB35-3W24-S	8 W
LED / Bar HB35-6W24-S	6 pcs.
LED / Bar HB35-3W24-S	3 pcs.
IP protection	IP 30
Operating temperature range	30 C° ~ +60 C°
Storage temperature range	+5 C°~ +40 C°
Storage enviroment humidity	RH < 60%
IEC protection class (with SELV power supply)	Class III
Viewing angle	22°x50°
Life time L70B50	50.000h
Warranty (See terms and contitions)	3 Years

50.000 h   3 Years Warranty   24 VDC   III   RoHS   CE

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Electrical Data

Model	Nominal Voltage	Voltage range	Accidental reverse input voltage protection up to	Nominal wattage per bar	No. max. bars connected to each other's
HB35LA-6W24-S	24 VDC	23...25 VDC	25 VDC	15,5 W	5 pcs
HB35LA-3W24-S	24 VDC	23...25 VDC	25 VDC	7,8 W	10 pcs

Photometrical Data

Model	Colour	Color Temperature	Color Rendering Index	Total Luminous flux (Lumen)	Useful Luminous flux (Lumen) **	Typical Luminous Efficiency
HB35LA-6W24	White	6500 k	> 70	1638 Lm.	1518 Lm.	105,6 Lm/W
HB35LA-3W24	White	6500 k	> 70	819 Lm.	759 Lm.	105,0 Lm/W

** Useful Luminoux Flux measured in a 90° cone.

Recommended depth: 100 mm. to 170 mm.

Recommended maximun box width : 2000 mm.

This product comply with the following European Standard: (download pdf)

EMC - Directive 2014/30/EU

EN 55015:2013/A1:2015

EN 61547:2009

RoHS - Directive 2011/65/EU

IEC 62031

General safety requirement for luminaires

EN 60598-2-20:2015 used in conjunction with EN 60598-1:2015+A1:2018

EN 62031:2020. IEC TR 62778:2014   (Risk group 1)

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DIFFERENT LIGHTING

Thermal Adhesive

La The HB35LA bar is equipped with a thermal adhesive for fixing to an aluminum profile, or the metal frame of the sign.

This special adhesive help the exchange of heat generated by the LEDs with the surface on which the bar is fixed.

EMI filter

The HB35LA bar is equipped with a selective filter for the emission of conducted frequencies.

This considerably reduces the propagation of disturbances in the wiring and interferences that could compromise the correct functionality of other equipment.

EMI filter   Switching driver

Moisture Protection

All active points of the product are coated with 2 different resin types; the welding points of the cables are coated with PU resin catalyzed with exposure to UV rays, to make it sufficiently resistant while maintaining the right elasticity, while the electronic components are coated with silicone resin that remains elastic and always attached to the components even in the presence of high thermal excursions.

Packaging

The bars are packaged 2 by 2 inside a cardboard tube which are placed in a bigger cardboard box:

Quantity per carton:
HB35LA-6W24   = 100 pcs
HB35LA-3W24   = 200 pcs

Optional

Starting cable for HB35LA bars, One end with connector and one end with tinned wires for connection to the LED driver.

Lenght 100 mm.

Coding

Model	Code
Starting cable	HTL 000526