hitechled®
DIFFERENT LIGHTING

The HP7E-60W24-5M profile is designed for high brightness linear backlighting applications to homogeneously illuminate the perimeter line and fascias of the canopies.

The innovative zip fastening system makes it unique in its kind because it makes installation very quick.

The shape and size of product make it very robust and reliable.

It can be cut and terminated with special opal caps that become luminous avoiding light interruptions.

Applications

- Linear light.
- Ending of canopies.
- Architectural and decorative applications.
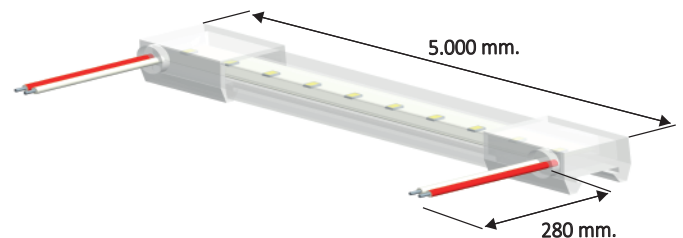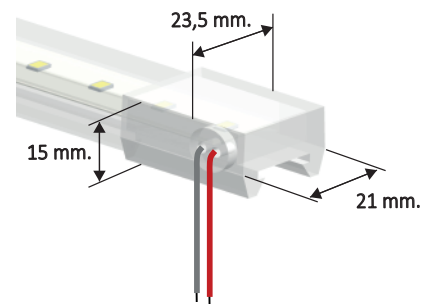- Permanent use into aluminium profiles.

Benefits

- Linear backlighting, homogeneous brightness.
- Excellent luminous efficiency.
- Flexible silicone structure.
- Zip fixing system - **EASY ON System.**
- Opal silicone caps that spread the light.
- Long life.
- Constant current driving system integrated.
- Anti-yellowing silicone.

Model	Code	Lenght
HP7E-60W24-5M	HTL 000817	5 m.

Features

Operating Voltage	DC 24 V
Length	5000 mm.
LED/m.	60 pcs
Cutting	50 mm.
International protection level	IP67
Operating temperature range	-30 C° ~ +50 C°
Storage temperature range	-30 C°~ +60 C°
Storage enviroment humidity	RH < 60%
Protection class (with SELV power supply)	Class III
Viewing angle	120°
Life time（temperature Tc = 75 ℃）	50.000h（L70）
Consistent light	3-step MacAdam
Warranty（See terms and contitions）	3 Years

23,5 mm.

15 mm.

21 mm.

5.000 mm.

280 mm.

BENDING d = 100 mm.

50.000 h

3 Years Warranty

24 VDC

III

RoHS

C E

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Electrical data

Model	Nominal Voltage	Voltage range	Accidental reverse input voltage protection up to	Nominal wattage
HP7E-60W24-5M	24 VDC	23...25 VDC	25 VDC	36 W

Photometrical data

Model	Color	Color Temperature	CRI	Typical Luminous Fux	Typical Luminous Efficiency
HP7E-60W24-5M	24 VDC	6500/7000k	> 80	870 Lm./m.	120 Lm/W

Powering

It is possible to connect up to a maximum of 10 m of product (2 units).

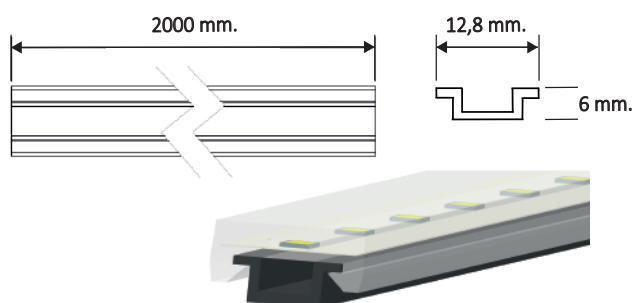Please connect any excess parts directly to the power supply with 2 more wires
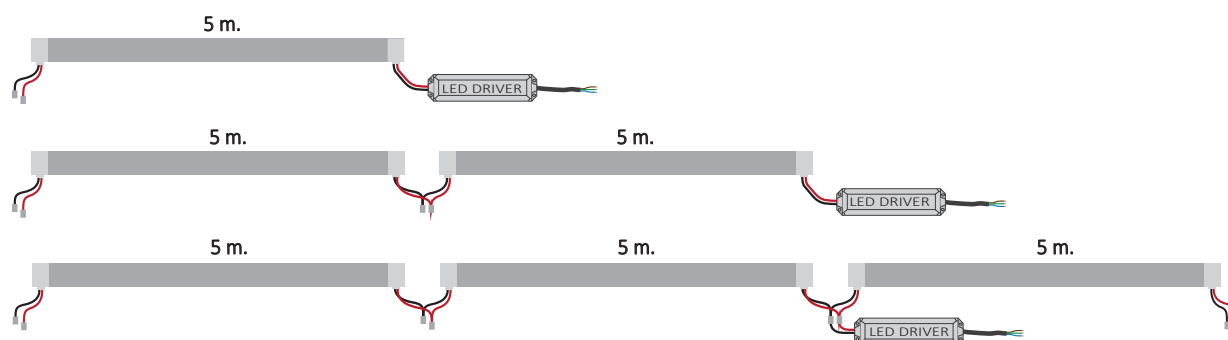
This product comply with the following European Standard:

EMC - Directive 2014/30/EU	Safety - LED moduled for general lighting	RoHS
EN 55015:2019/A11:2020	EN 62031:2020	Directive 2011/65/EU
EN 61000-3-2:2019/A1:2021	IP protection	Directive 2015/863 EU
EN 61000-3-3:2013/A1:2019	IEC 60598-1:2020 Section 9	
EN 61547:2009	IEC 60529:1989+A1:1999+A2:2013	

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Accessories

Model	Code	Description
HP-1800-2	HTL 000704	Aluminium guide to fix the product
TAPPO CIECO HP	HTL 000513	End cap
TAPPO DESTRO COMPATTO HP	HTL 000528	Right wire cap
TAPPO SINISTRO COMPATTO HP	HTL 000529	Left wire cap
COPPIA FILI ROSSO NERO HP	HTL 000530	Pair of wires (AWG 18)
SILICONE GEL	HTL 000497	Silicone Gel for gluing caps, 310 ml.
PRIMER	HTL 000512	Primer for gluing caps

2000 mm.   12,8 mm.   6 mm.

End cap   Right wire cap   Left wire cap

Cutting on the marked line

50 mm.

Silicone

Primer

Aluminium guide

- Fixing alumium guide HP-1800-2 to the wall or ceiling with self-drilling screws, acting from inside the profile (Screws are not included).
- Zipping the silicone profile to the aluminium guide by pressing gently with the palm of the hand.
- Length of aluminium guide is 2 meters to facilitate transport.
- The hollow part also allows positioning of the power wires.
- Ease and speed of assembly of the silicone profile which is simply fixed by zip-fastening.
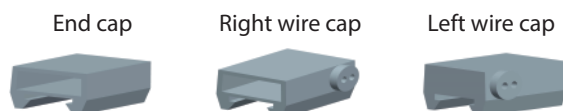
Cut and termination

- Cut the product in correspondence with the marker line that transpires from the bottom side of the product, using a sharp cutter and sliding it as if for slicing.

- Insert the wires in the appropriate holes on the chosen cap, then weld them on the pads, Red positive and White negative (carry out with the product spread).

- **For external use only** - Apply the primer inside the cap and around the part of the product that will be inserted into the cap, leave to dry 24 hours. This operation makes the silicone adhere better.

- Apply the silicone gel inside the cap in the right amount that fills the empty spaces and also around the product.

- Remove excess gel with a finger by smoothing the seam and allow it to harden, wear a protective glove to do this.