

### Description

Slim 20mm wide H-shaped customisable LED profile for continuous direct lighting.

The unit consists of an extruded aluminum base with polycarbonate diffuser.

The base profile can either be surface mounted or suspended. A separate type of aluminum cove profile is offered for recessed trimless application in which the base profile for surface mounting can be clicked in.

The maximum length of one base profile is 4000mm. 180° and 90° connectors are available to create structures longer than 4000mm.

Two kinds of diffuser are offered: one that is flush with the frontside of the base profile, another type which is 5mm recessed in the base.

The base profile is intended for use with 24V LED strip. The LED strips are available in two output variants: 1000lm/m and 2000lm/m. Each time available in different colour temperatures.

The 24V LED driver can't be integrated in the base profile. The suitable 24V driver can be chosen from a driver matrix, depending on type of dimming and power.

### Materials

- Base: aluminum, finished with scratch resistant fine-textured powder coating in matt white or matt black. Also available in various brushed and anodized colours: bronze, champagne and silver bronze. Any RAL or NCS finish is possible on request
- Diffuser: matt polycarbonate
- Endplates: steel, finished with scratch resistant fine-textured powder coating in matt white or matt black. Also wetpainted variants available in brushed and anodization look. : bronze, champagne and silver bronze. Any RAL or NCS finish is possible on request
- Connection plate 180° or 90°: galvanized steel
- Mounting clip: stainless steel
- Suspension cables: steel
- Strain relief set: galvanized steel
- Installation bracket for recessed trimless mounting: galvanized steel

### Technical characteristics

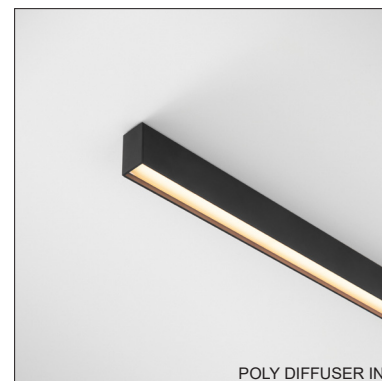
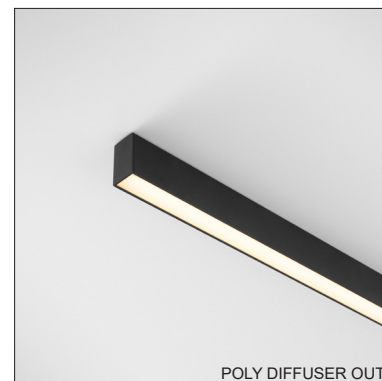
- Dimensions surface/suspended base profile: 20 mm x 35mm (W x H)
- Dimensions recessed base profile: 45mm x 42mm (W x H)
- Average base thickness: 1.5mm
- Weight of surface mounted base: 0.4kg/m
- Weight of cove profile for trimless installation: 0.9kg/m
- Suitable for continuous lighting with 24V IP20 medium power flexible LEDstrip of 1000lm/m (10.8W/m), 2000lm/m (18.9W/m) (power values for 3000K ledstrip)
- Suitable for continuous lighting with 24V IP65 medium power flexible LEDstrip of 1000lm/m (9.6W/m), 2000lm/m (16.8W/m) (power values for 3000K ledstrip)
- To be combined with a constant voltage 24V LED driver. Available in various dimming options. Choose from driver matrix.
- Class 3
- Usage with IP65 LEDstrips results in an overall IP value of IP44, suitable for wet and damp indoor locations. Not suitable for outdoor use.
- Glow wire rating 960°C
- Lifetime: L80B10 @50.000 hours
- Warranty period: 5 years on LEDs, 5 years on drivers

### Installation

- LEDstrips are pre-installed in the base profile or can be ordered separately on rolls of 5 meter
- Surface mounted installation: easy installation by clicking the base profile on spring clips. Fix the spring clips with standard chipboard screws, maximum diameter 4,5mm (not included)
- Suspended: suspension steel cables and power feed cord (available lengths: 2 meter or 6 meter). The height adjusters are mounted on the ceiling.
- Recessed: first install an empty cover profile in the ceiling by means of installation brackets. The cove profile contains spring clips in which the surface base profile can easily be clicked in.

### Accessories

- 180° and 90° connection plate
- Endplate, attached to the base profile with one invisible screw
- Installation bracket for trimless application
- Suspension set + feedcord



## Standards and directives:

- 2006/95/EC - Low Voltage Directive
- 2004/108/EC - EMC Directive
- 2011/65/EU - RoHS Directive
- 2009/125/EC - ECODESIGN Directive
- 245/2009/EC + 347/2010/EU - ECODESIGN Directive
- 1194/2012/EU - ECODESIGN Regulation
- EN 60598-1:2008 +A11:2009 - Luminaires. General requirements and tests
- EN 62471:2008 - Photobiological safety of LED lamps and lamp systems
- EN 62493: 2010 - Assessment of lighting equipment related to human exposure to electromagnetic fields
- EN 60598-2-1 - Fixed general purpose luminaires and EN 60598-2-2:2012 - Recessed luminaires
- EN 60598-2-2:2012 - Recessed luminaires
- EN 55015:2006 +A1:2007 +A2:2009 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- EN 61000-3-2:2006 +A1,A2:2009 - Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase)
- EN 61000-3-3:2013 - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection
- EN 61547:2009 - EMC Immunity Requirements
- EN 50581:2012 - Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances