

## Star Profile as oblong luminaire

The **hansen Star Profile** with 1.5 W LED modules is an oblong luminaire primarily designed for the illumination of rooms, workplaces, etc.

The body consists of an extruded aluminium profile with an anodized surface. The length of the profile can vary between 120 mm and 3,000 mm as the LED wall luminaire is made to customer specification.

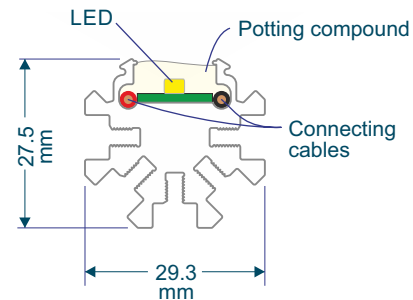
The star-shaped cross-section offers various mounting possibilities while the entire profile serves as an efficient heat sink for the powerful LEDs.



Parallel series connection of LEDs

General data:	
Type of connection	LED modules connected in series. Each module consists of 10 LEDs with 0.15 W each connected in parallel.
Power supply unit	<b>hansen</b> converter type C500/ ...
Max. LED current	500 mA (per module)
LED power	1.5 W (per module)
LED spacing	10 mm
Circuit board pitch	100 mm (module length)
Degree of protection	IP 65
Class of protection	II
Ambient temperature range	-25 °C to +65 °C
Residual luminous flux	70% after 50,000 operating hours
Conformity	CE, RoHS
Connecting cable	LiF9Y11Y PUR , 1000 VDC , 2x0,75 mm <sup>2</sup>
Max. length (mechanical)	3,000 mm (special lengths up to 4,830 mm)

Photometric data (one LED module, 100 mm, 500 mA):		
Light colour	Luminous flux without cover	Luminous flux with translucent cover
white 2,700 K	140 lm	125 lm
white 3,000 K	140 lm	125 lm
white 4,000 K	140 lm	125 lm
white 5,000 K	158 lm	145 lm
white 6,500 K	144 lm	126 lm
Note: Tolerance of the photometric data: +/- 10%		

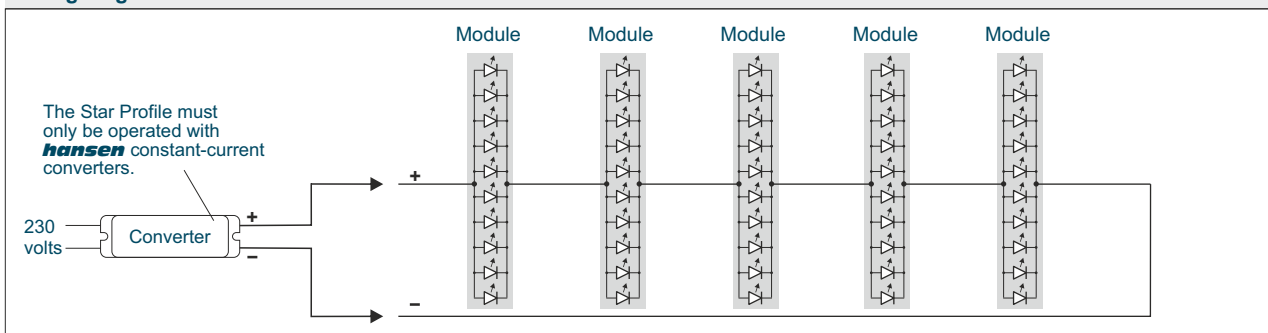


Cross-section and dimensions

Aluminium profile:	
Material	AlMgSi (F22)
Anodization	silver-grey, 15 micrometre
Dimensional tolerance	EN 12020-2
Thermal expansion	0.023 mm/m 1/K

Material properties – transparent potting compound:	
Two-component potting compound, polyurethane (PUR)-based	
Shore A hardness	70 +/-5
Shore D hardness	< 30
Service temperature	-40 °C to +90 °C
Dielectric strength	70 kV/mm (VDE 0303 Part 2)
UV resistance	resistant
Thermal expansion	0.12 mm/m 1/K to 0.21 mm/m 1/K
Reaction to fire	Building material class B2, Class 3, TP(b)

### Wiring diagram:



All values refer to an ambient temperature of +25 °C.



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