

Light Profile „Carmen“

The light profile "Carmen" is a linear LED luminaire designed for the illumination/floodlighting of advertising spaces, the illumination of walls and for room lighting purposes.

The very slim luminaire can be supplied in custom lengths up to 3,000 mm.



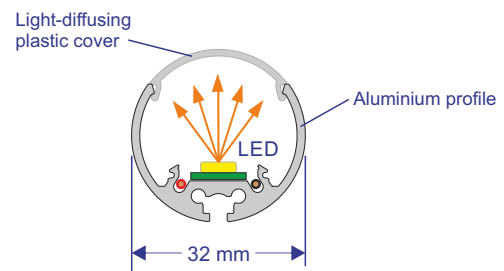
Mechanical data:	
Profile	Material: aluminium
Plastic cover	Material: polycarbonate
Profile diameter	32 mm
Max. length	3,000 mm
Weight	600 g/m
Mounting	Optional wall and ceiling mounts

Electrical and photometric data (Type 1):	
Electrical connection	Parallel connection
LED spacing	15 mm
Input voltage	12 V DC (+/- 10%)
Input current (typ.)	Dep. on length; 1.1 A at 1,500 mm
LED operating current	50 mA
Luminous flux	To be confirmed
Colour temperature	4,000 K (3,000 K/5,000 K/6,500 K on request)
Residual luminous flux	80% after 50,000 operating hours
Radiation angle	105°

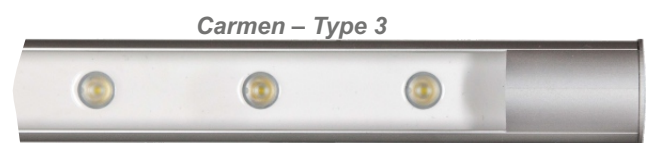
Electrical and photometric data (Type 3):	
Electrical connection	Parallel connection
LED spacing	50 mm
Input voltage	12 V DC (+/- 10%)
Input current (typ.)	Dep. on length; 4.1 A for 1,500 mm
LED operating current	400 mA
Luminous flux	To be confirmed
Colour temperature	4,000 K (3,000/5,000/6,500 K on request)
Residual luminous flux	80% after 50.000 operating hours
Angle of radiation	40° or 23 x 45°

Other data:	
Protection class	III
Degree of protection	IP65 (potted)
Certification	CE
Energy efficiency class	A +
Ambient temperature	-25 °C to +65 °C

**For LED specifications see: – Data Sheet LEDs
– Data Sheet High-Power LEDs**



Cross-section and dimensions



Material properties of the transparent potting compound:	
Polyurethane (PUR)-based two-component potting compound	
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	CTE: approx. 120/210 ppm/°C
Reaction to fire	Building material class B1 (DIN 4102)



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