Friedhelm TRAPP GmbH
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Luminaire Slimlight

ATTRACTIVE AND INTELLIGENT LUMINAIRE SLIMLIGHT

The discreet, but nevertheless elegant design fits perfectly into any cityscape, thus ensuring high level of acceptance. The various models within each series Slimlight allow depending on requirements, a wide range of applications.

Through the use of latest LED technology combined with intelligent circuitry concepts for the power reduction, the luminaire series makes high economic efficiency.

The LED and optics is enclosed together with a durable weather-resistant encapsulation and thus hermetically sealed off from all environmental conditions.

Technical description luminaire Slimlight

Luminaire model

LED up and Lateral mounted luminaire for mast height and road width from 5 up to 12 m
Degree of protection IP66, protection class I or II
Applications: Residential roads, traffic-calmed roads, pedestrian areas, paths in parks and green areas, parking

Light engineering

- Effective LED lens combination
- LED lifetime: >60.000 h (L80/B10), reliability through LED Bypass
- Color temperatures*: 4000 K (NW)
- Color rendering index: Ra >70 (NW)
- Dimming by reducing the power of all LED, no partial shutdown)
- Light emission: 0% in the upper half space at 0 ° tilt

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Lightmanagement

Optionally:

- **Phase shutdown:**
  With a shutdown of one phase, the brightness of the luminaire is switchd to a predetermined value of 20%, 30%, 40% and 50% residual brightness.
- **Centralized control system:**
  Each luminaire is equipped with a centralized control interface that can interpret twenty different status commands for controlling the brightness. The connection of different light sensors / motion detectors is possible.

Electronic control device

Intelligent midnight switching IMSII
Constant current mode, LED current set at the factory in accordance with light output
With thermal monitoring of the LED module and current reduction
Voltage surge firmness > 4 kV L / N-GND, up to 10 kV optional on request

Housing

Luminaire lid from corrosion resistant aluminum with large-area connection of the LED modules for optimum heat transfer (luminaire cover is simultaneously heatsink)
No overhead cooling fins, top domed for self-cleaning
Luminaire body made of UV- and weather-resistant transparent PMMA, satin finish lamp body on request
Luminaire by default anthracite gray (similar RAL 7016), special painting on request
Pole top element made of steel, galvanized and painted
Optional incl. Prefabricated connection cable

Dimensions

SlimLight 1 & 2:

Length:	500 mm
Height :	80 mm
Width:	160 mm
Weight: max	6,00 kg
Wind target area:	0,04 m²

SlimLight 3:

Length:	800 mm
Height :	80 mm
Width:	200 mm
Weight: max	12 kg
Wind target area:	0,064 m²

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Electrical connection

Terminals up to 2,5 mm²
Cable gland for strain relief, suitable for cable diameters from 6 to 12 mm
Rated voltage 230 V ± 10%, AC, 50/60 Hz

Mounting

By default, with mounting strap

- Pole-top 76 mm and mast boom 60 mm
- Tilt of the Luminaire continuously adjustable, min. 0 ° to 25 °, Standard 8 °
- For details, see Installation / Operating Instructions!

Approbation

Approval marks:

- · ENEC 5, KEMA KEUR

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LED-System**

LED current	Number of LEDs	System performance with 100% works	System performance with 50 % works	Luminous flux light color CW
SlimLight 1				
350 mA	10	12 W	8 W	1.230 lm
500 mA	10	17 W	11 W	1.640 lm
700 mA	10	25 W	15 W	2.210 lm

ED current	Number of LEDs	System performance with 100% works	System performance with 50 % works	Luminous flux light color CW
SlimLight 2				
350 mA	20	23 W	14 W	2.480 lm
500 mA	20	34 W	19 W	3.360 lm
700 mA	20	49 W	27 W	4.400 lm

LED current	Number of LEDs	System performance with 100% works	System performance with 50 % works	Luminous flux light color CW
SlimLight 3				
350 mA	40	47 W	25 W	5.090 lm
500 mA	40	68 W	36 W	2.520 lm
700 mA	18	42 W	23 W	6.650 lm
**** We reserve the right to make technical changes.**				

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Light distribution

SlimLight 1 / 2 / 3