



Friedhelm TRAPP GmbH

Ostring 15 - 63533 Mainhausen - Zentrale: 06182/9294-5 - Fax: 06182/9294-69 - Mail: trapp@f-trapp.de

www.f-trapp.de

Luminaire Caplight



CLASSIC AND INTELLIGENT
luminaire Caplight

The innovative round luminaire Caplight impress with their timeless design. An innovative LED lighting system and various beam angles allow an optimal light distribution.

The different versions of bring efficiency and elegance in the city - on roads, paths and areas

- By one-sidedness or double-sided assembly with LED, symmetric and asymmetric dispersion are optionally possible - with the same design language
- The various radiation thus enabling a targeted darkening of house areas.

Technical description luminaire Caplight

Luminaire model

LED up and Lateral mounted luminaire for mast height and road width up to 5 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, selectively insertable lens optics, flexible in emission characteristic for street and area lighting

LED lifetime: >60.000 h (L80/B10), reliability through LED Bypass

Color temperatures*: 4000 K (NW), 3000 K(WW, other color temperatures on request)

Color rendering index: Ra >70 (CW, NW), Ra >80 (WW)

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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Technical description luminaire Caplight

Lightmanagement

Optionally:

- **Phase shutdown:**
With a shutdown of one phase, the brightness of the luminaire is switched 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

Length:	650 mm
∅ Luminaire body:	180 mm
∅ Lid:	700 mm
Weight:	9,50 kg
Wind target area:	0,15 m ²



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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

Pole top 76mm, other spigot diameter or reducing piece to 60 mm optional
For **details**, see Installation / Operating Instructions!

Approbation

Approval marks:

- ENEC 5, KEMA KEUR



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Technical description luminaire Caplight

LED-System**

CapLight S9 (Asymmetrisch)

LED-Strom	Anzahl LED	Systemleistung bei 100% Betrieb	Systemleistung bei 50% Betrieb	Leuchtenlichtstrom Lichtfarbe	Leuchtenlichtstrom Lichtfarbe
350 mA	9	10 W	7 W	790 lm	930 lm
500 mA	9	15 W	10 W	1.080 lm	1.270 lm
700 mA	9	21 W	13 W	1.390 lm	1.640 lm

CapLight S18 (Asymmetrisch)

LED-Strom	Anzahl LED	Systemleistung bei 100% Betrieb	Systemleistung bei 50% Betrieb	Leuchtenlichtstrom Lichtfarbe WW	Leuchtenlichtstrom Lichtfarbe NW/CW
350 mA	18	20 W	12 W	1.550 lm	1.830 lm
500 mA	18	30 W	17 W	2.180 lm	2.250 lm
700 mA	18	42 W	23 W	2.750 lm	3.240 lm

CapLight P18 (Symmetrisch)

LED-Strom	Anzahl LED	Systemleistung bei 100% Betrieb	Systemleistung bei 50% Betrieb	Leuchtenlichtstrom Lichtfarbe WW	Leuchtenlichtstrom Lichtfarbe NW/CW
350 mA	18	20 W	12 W	1.550 lm	1.830 lm
500 mA	18	30 W	17 W	2.180 lm	2.520 lm
700 mA	18	42 W	23 W	2.750 lm	3.240 lm

**** We reserve the right to make technical changes.**



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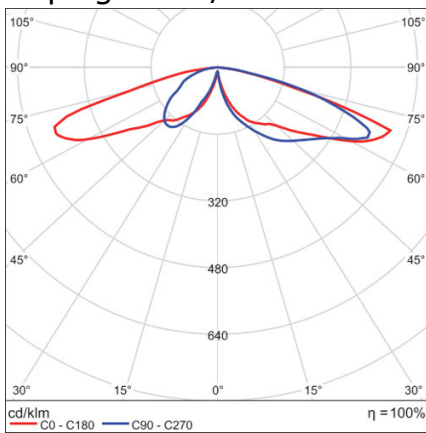
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Luminaire Caplight

Technical description luminaire Caplight

Light distribution

CapLight S9 / S18



CapLight P18

