



Friedhelm TRAPP GmbH

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

www.f-trapp.de

Lighting series Sirius



Sirius Kompakt ECO

The "small" POWERFUL - SIRIUS compact ECO

The Sirius compact ECO fulfilled reliably and efficiently lighting tasks with a pronounced need for light -. Safety on roads and parking lots

The elegant and flat shape, brightness and reliability characterize the lighting series Sirius Eco. Especially well suited to applications with a pronounced Light needs to especially demanding lighting tasks.

The compact LED area floodlights are based on high-performance, high-efficiency LED light sources from our

own development and production, combined with its light Miniature lenses are conducted extensively on the planned target area.

Technical description Sirius Kompakt ECO

Luminaire model

LED up and Lateral mounted luminaire for mast height and road width up to 8 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: >100.000 h (L80/B10), reliability through LED Bypass

Color temperatures*: 5000 K (CW), 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 Sirius Kompakt ECO

Lightmanagement

Night reduction via control wire by default 50%

Optionally:

- Night reduction between 10% and 90% factory securable
- Luminous flux readjusting (CLM), factory programmed
- Connection of different light sensors / motion detector
- Intelligent switching times dependent dimmingtimes Control
- All optional functions individually programmable and upgradeable.

Electronic control device

Control wire for halnighnt switching, optional: 1-10V or DALI interface

Electronics with condensation protection (coating), shed optional

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

Opened without tools, robust housing made of die-cast aluminum

Clear, domed cover made of inorganic glass

No overhead cooling fins, top domed for self-cleaning

Highly Weather-resistant powder coating in RAL 9006 or DB 703, special painting on request

Integrated pressure equalization valve, improved thermal management by separate modules for LED lamps and operating device, each separately replaceable

Optional incl. Prefabricated connection cable

Dimensions

Length:	590 mm
Height:	145 mm
Width:	400 mm
Weight:	12 kg
Wind target area:	0,09 m ²



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Technical description Sirius Kompakt ECO

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 and mast boom 60 and 76 mm
- For details, see Installation / Operating Instructions!

Approbation

Approval marks:

- ENEC 10, VDE (in preparation)

Production locations certified to:

- ISO 9001:2008
- ISO/TS 16949:2009

VDE-monitoring by:

- ECS/CIG 021-024





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Technical description Sirius Kompakt ECO

LED-System**

LED-Strom	Anzahl LED	Systemleistung bei 100% Betrieb	Systemleistung bei 50% Betrieb	Leuchtenlichtstrom Lichtfarbe WW	Leuchtenlichtstrom Lichtfarbe NW/CW
350 mA	16	19 W	12 W	1.450 lm	1.900 lm
400 mA	16	21 W	12 W	1.600 lm	2.150 lm
450 mA	16	24 W	14 W	1.800 lm	2.400 lm
500 mA	16	27 W	15 W	1.950 lm	2.600 lm
550 mA	16	29 W	16 W	2.100 lm	2.800 lm
600 mA	31	17 W	16 W	2.300 lm	3.050 lm

LED-Strom	Anzahl LED	Systemleistung bei 100% Betrieb	Systemleistung bei 50% Betrieb	Leuchtenlichtstrom Lichtfarbe WW	Leuchtenlichtstrom Lichtfarbe NW/CW
350 mA	24	26 W	15 W	2.150 lm	2.900 lm
400 mA	24	30 W	17 W	2.450 lm	3.250 lm
450 mA	24	34 W	19 W	2.700 lm	3.600 lm
500 mA	24	38 W	21 W	2.950 lm	3.950 lm
550 mA	24	41 W	22 W	3.150 lm	4.200 lm
600 mA	24	45 W	29 W	3.450 lm	4.600 lm

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

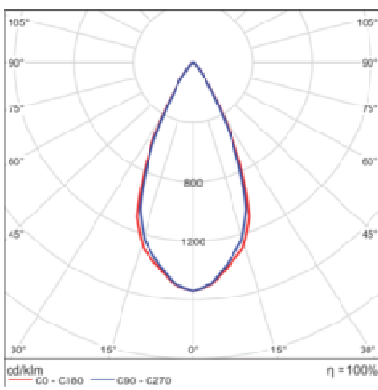


Lighting series Sirius

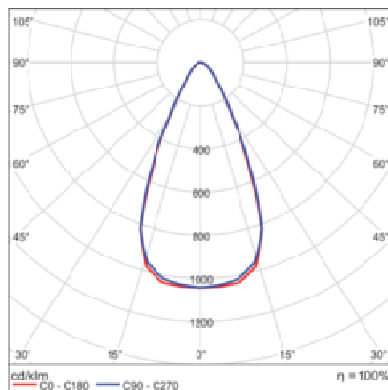
Technical description Sirius Kompakt ECO

Light distribution

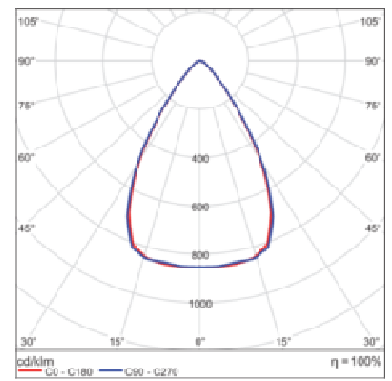
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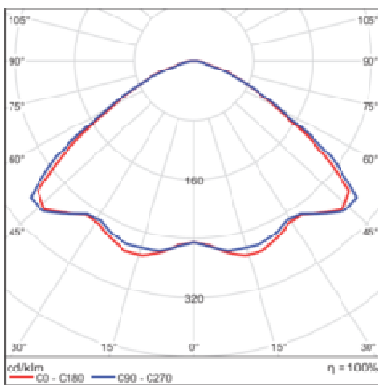
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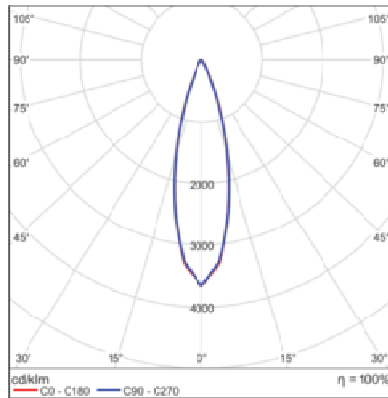
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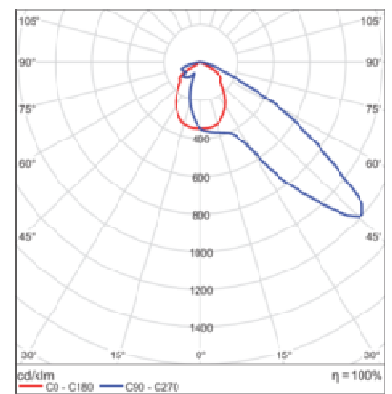
UW 1



SP 1



FL 4





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Sirius Maxi ECO

POWERFUL AND EFFICIENT ENERGY - SIRIUS MAXI ECO

The Sirius Maxi ECO has a high-performance photometry for various lighting situations having particularly a pronounced lighting requirements. The new lens system enables the flexible combining the LED modules depending on the requirements. The luminaires of Sirius Eco Series due to modern operating devices also available with different current options.

Additional energy savings provides the standard integrated, lossless half night switching.

Technical description Sirius Maxi ECO

Luminaire model

LED up and Lateral mounted luminaire for mast height and road width up to 8 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: >100.000 h (L80/B10), reliability through LED Bypass

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350 mA	48	52 W	30 W	4.350 lm	5.800 lm
400 mA	48	59 W	33 W	4.900 lm	6.550 lm
450 mA	48	68 W	38 W	5.400 lm	7.200 lm
500 mA	48	75 W	41 W	5.950 lm	7.900 lm
550 mA	48	82 W	45 W	6.350 lm	8.450 lm

LED-Strom	Anzahl LED	Systemleistung bei 100% Betrieb	Systemleistung bei 50% Betrieb	Leuchtenlichtstrom Lichtfarbe WW	Leuchtenlichtstrom Lichtfarbe NW/CW
350 mA	64	67 W	37 W	5.800 lm	7.750 lm
400 mA	64	76 W	42 W	6.550 lm	8.750 lm
450 mA	64	87 W	47 W	7.200 lm	9.600 lm
500 mA	64	102 W	56 W	7.950 lm	10.550 lm
550 mA	64	111 W	61 W	8.450 lm	11.300 lm

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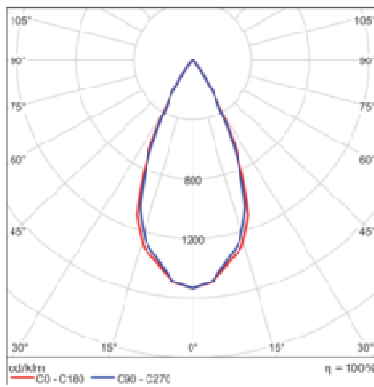


Lighting series Sirius

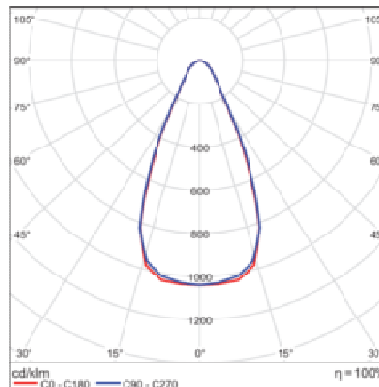
Technical description Sirius Maxi ECO

Light distribution

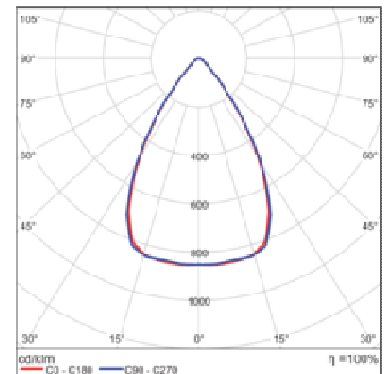
MW 1



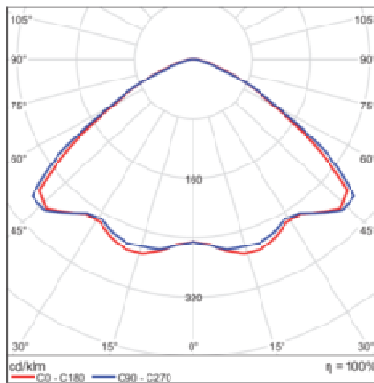
MW 2



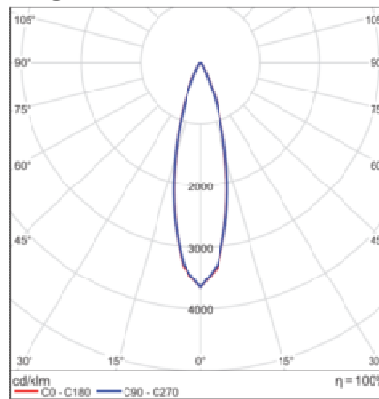
MW 3



UW 1



SP 1



FL 4

