

## PRODUCT DATASHEET

### ECO HP FLOOD 500W 840 N 68500LM BK

**ECO HIGH POWER FLOODLIGHT | Floodlight with rotational symmetric light distribution for high mast area lighting**



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#### AREAS OF APPLICATION

- Direct replacement for luminaires using HID lamps
- Sports facilities
- Industry
- Lighting of large areas

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#### PRODUCT BENEFITS

- Energy savings of up to 90 % compared to halogen lamp floodlights
- Energy savings of up to 45 % compared to luminaires that use conventional discharge lamps
- Homogeneous light output
- 5 years guarantee

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#### PRODUCT FEATURES

- Rotational symmetric light distribution for high mast area lighting
- Various versions with different types of light distribution available
- Mounting bracket for up to 180° tilting
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm<sup>2</sup> single wires



## TECHNICAL DATA

### Electrical data

Nominal wattage	500.00 W
Operating mode	Mains voltage
Nominal voltage	100...240 V
Power factor $\lambda$	> 0.95
Mains frequency	50/60 Hz
Max. no. of lum. on circuit break. B16 A	1
Max. no. of lum. on circuit break. C10 A	1
Max. no. of lum. on circuit break. C16 A	1
Inrush current	150 A
Total harmonic distortion	< 20 %
Inrush current time $T_{h50}$	500 $\mu$ s

### Photometrical data

Color temperature	4000 K
Luminous flux	68500 lm
Luminous efficacy	137 lm/W
Standard deviation of color matching	<5 sdc <sub>m</sub>
Light color (designation)	Cool White
Color rendering index Ra	$\geq 80$

### Light technical data

Beam angle	60 °
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### Dimensions & weight



Length	575.0 mm
Width	604.0 mm
Height	152.0 mm

<b>Product weight</b>	17500.00 g
<b>Cable length</b>	1000 mm

### Colors & materials

<b>Body material</b>	Aluminum
<b>Product color</b>	Black
<b>Housing color</b>	Black
<b>Cover material</b>	Polycarbonate (PC)

### Temperatures & operating conditions

<b>Ambient temperature range</b>	-40...+45 °C
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### Lifespan

<b>Number of switching cycles</b>	100000
<b>Lifespan L70/B50 at 25 °C</b>	50000 h

### Additional product data

<b>Mounting type</b>	Surface
<b>Mounting location</b>	Ceiling
<b>Equipped with lamp</b>	No

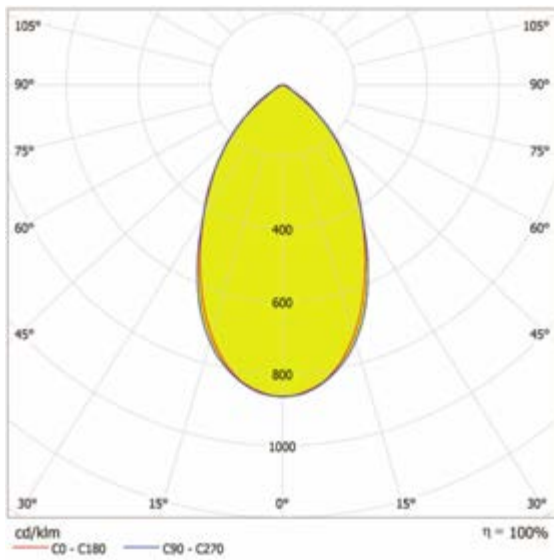
### Capabilities

<b>Adjustable</b>	Yes
<b>Dimmable</b>	No
<b>Type of connection</b>	Cable, 3-pole
<b>LED module replaceable</b>	Not replaceable

### Certificates & standards

<b>Protection class IK (shock resistance)</b>	IK08
<b>Glow Wire Test according to IEC 60695-2-12</b>	650 °C
<b>Photobio. safety group acc. to EN62471</b>	RG 2
<b>Protection class</b>	I
<b>Type of protection</b>	IP65
<b>Luminaire with limited surface temperature, class "D"</b>	No
<b>Standards</b>	CE/EAC/RoHS/REACH

Light Distribution



LDC typ polar

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075372559	Shipping carton box 1	675 mm x 650 mm x 230 mm	18859.00 g	100.91 dm <sup>3</sup>

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

REFERENCES / LINKS

For Guarantee see

- ▶ [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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