

# PRODUCT DATASHEET

## ECO HP FLOOD 500W 857 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
Nominal voltage	100...240 V
Mains frequency	50...60 Hz
Nominal current	2550.000 mA
Inrush current	150 A
Inrush current time $T_{h50}$	500 $\mu$ s
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
Power factor $\lambda$	> 0.95
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

### Photometrical data

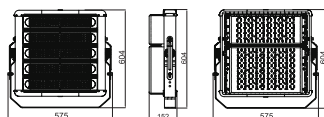
Luminous flux	68500 lm
Luminous efficacy	137 lm/W
Color temperature	5700 K
Light color (designation)	Daylight
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	< 5 sdc <sub>m</sub>
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG2
Photobiological safety group acc. to EN62471	RG2
Beam angle	60 °

### Dimensions & Weight

Length	575.00 mm
Width	604.00 mm
Height	152.00 mm
Product weight	17500.00 g



Cable length	1000 mm
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### Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-40...+45 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling
Application environment	Outdoor
Adjustable	Yes
LED module replaceable	Not replaceable
With light source	No








### Lifespan

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

### Certificates & Standards

Standards	CE / EAC / RoHS / REACH
Luminaire with limited surface temperature, "D sign"	No

## DOWNLOAD DATA

DOWNLOAD DATA	
	Tender documents
	Declarations of conformity
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M4D file (3D Model with rotation axis)
	ULD file (DIALux)

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075372627	Shipping 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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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

