

PRODUCT DATASHEET

ECO HP FLOOD 300W 840 W 40500LM BK

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



AREAS OF APPLICATION

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

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

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 mm² single wires



TECHNICAL DATA

Electrical data

Nominal wattage	300.00 W
Operating mode	Mains voltage
Nominal voltage	100...240 V
Power factor λ	> 0.95
Mains frequency	50/60 Hz
Max. no. of lum. on circuit break. B16 A	2
Max. no. of lum. on circuit break. C10 A	2
Max. no. of lum. on circuit break. C16 A	3
Inrush current	80 A
Total harmonic distortion	< 20 %
Inrush current time T_{h50}	500 μ s

Photometrical data

Color temperature	4000 K
Luminous flux	40500 lm
Luminous efficacy	135 lm/W
Standard deviation of color matching	<5 sdc _m
Light color (designation)	Cool White
Color rendering index Ra	\geq 80

Light technical data

Beam angle	90.00 °
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Dimensions & weight



Length	522.0 mm
Width	370.0 mm
Height	152.0 mm

Product weight	10500.00 g
Cable length	1000 mm

Colors & materials

Body material	Aluminum
Product color	Black
Housing color	Black
Cover material	Polycarbonate (PC)

Temperatures & operating conditions

Ambient temperature range	-40...+45 °C
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Lifespan

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

Additional product data

Mounting type	Surface
Mounting location	Ceiling
Equipped with lamp	No

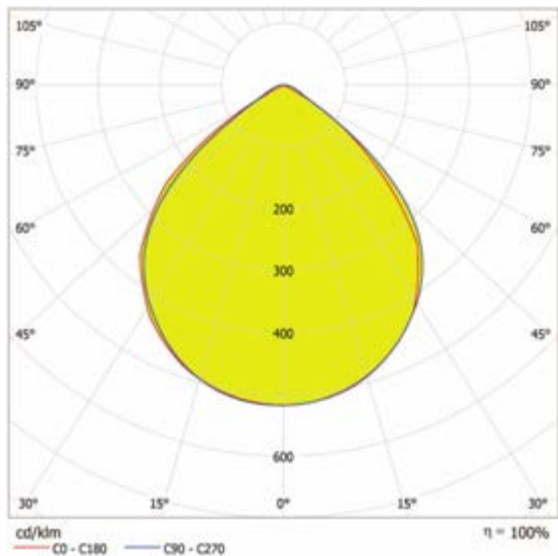
Capabilities

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

Certificates & standards

Protection class IK (shock resistance)	IK08
Glow Wire Test according to IEC 60695-2-12	650 °C
Photobio. safety group acc. to EN62471	RG 1
Protection class	I
Type of protection	IP65
Luminaire with limited surface temperature, class "D"	No
Standards	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
4058075372467	Shipping carton box 1	597 mm x 442 mm x 225 mm	11623.00 g	59.37 dm ³

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

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.