PRODUCT DATASHEET
ECO HP FLOOD 300W 857 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
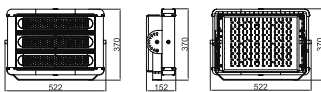
TECHNICAL DATA

Electrical data

Nominal wattage	300.00 W
Nominal voltage	100...240 V
Mains frequency	50...60 Hz
Nominal current	1550 mA
Inrush current	80 A
Inrush current time T_{h50}	500 µs
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
Power factor λ	> 0.95
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

Photometrical data

Luminous flux	40500 lm
Luminous efficacy	135 lm/W
Color temperature	5700 K
Light color (designation)	Daylight
Color rendering index Ra	≥80
Standard deviation of color matching	< 5 sdcm
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	90 °

Dimensions & Weight

Length	522.00 mm
Width	370.00 mm
Height	152.00 mm
Product weight	10500.00 g
Cable length	1000 mm

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
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M4D file (3D Model with rotation axis)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075372498	Shipping box 1	597 mm x 442 mm x 225 mm	11623.00 g	59.37 dm³

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.