

PRODUCT DATASHEET ECO HP FLOOD 500W 840 VN 61000LM 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	500.00 W	
Nominal voltage	100240 V	
Mains frequency	5060 Hz	
Nominal current	2550.000 mA	
Inrush current	150 A	
Inrush current time T _{h50}	500 µs	
Max. number of luminaires per miniature circuit breaker B16	1	
Max. number of luminaires per miniature circuit breaker C10	1	
Max. number of luminaires per miniature circuit breaker C16	1	
Power factor λ	> 0.95	
Total harmonic distortion	< 20 %	
Protection class	1	
Operating mode	Mains voltage	

Photometrical data

Luminous flux	61000 lm	
Luminous efficacy	122 lm/W	
Color temperature	4000 K	
Light color (designation)	Cool White	
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	RG2	
Photobiological safety group acc. to EN62471	RG2	
Beam angle	30 °	

ECO CLASS HP FLOODLIGHT VERY NARROW

Dimensions & Weight

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

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	
With light source	No	

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾	
Number of switching cycles	100000	

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Certificates & Standards

Standards	CE / EAC / RoHS / REACH	
Luminaire with limited surface temperature, "D sign"	No	
Replaceable light source (EPREL)	Not replaceable	

Additional product data

Number of illuminants	
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DOWNLOAD DATA

PDF User instruction / safety instructions UI ECO HP FLOOD 500W BK	
Legal information Informationstext 18 Abs 4 ElektroG	
Declarations of conformity CE Declaration of Conformity ECO CLASS HP FLOODLIGHT	
Photometric and lighting design files Document name	
LDT file (Eulumdat) ECOHPFLOOD 500W 840VN61000LM BK	
Light distribution curve type polar ECO CLASS HP FLOODLIGHT VERY NARROW	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075372528	Shipping box 1	675 mm x 650 mm x 230 mm	18859.00 g	100.91 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.