

PRODUCT DATASHEET

LED VALUE FLOODLIGHT 500W 4000K

120X90DEG IP66

LED VALUE MULTIPOWER FLOODLIGHT | Floodlights



Areas of application

- Sports grounds and outdoor facilities
- Area lighting
- Public areas

Product benefits

- Low maintenance costs thanks to long lifetime 50,000 hrs @ 35 °C
- Energy savings thanks to system efficacy of up to 150 lm/W

Product features

- Input voltage: 100 - 277V AC
- Available with selectable wattage: 210 W/250 W/300 W in 300 W version
- Available with selectable wattage: 330 W/420 W/500 W in 500 W version
- Standard CCT: 6500 K and 4000 K
- Color rendering index $R_a \geq 80$
- Power factor: ≥ 0.9
- Lifetime up to 50,000 h
- Type of protection: IP66
- Impact resistance: IK08

TECHNICAL DATA

Electrical data

Nominal wattage	500.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	1.96...5 A
Inrush current time T_{h50}	1200 μ s
Max. number of luminaires per miniature circuit breaker B16	4
Max. number of luminaires per miniature circuit breaker C16	5
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	72000 lm
Luminous efficacy	144 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	< 5 sdcm
Photobiological safety group acc. to EN62778	RG1
Beam angle	120 ° x 90 °

Dimensions & Weight

Length	578.00 mm
Width	473.00 mm
Height	105.00 mm
Product weight	9600.00 g
Cable length	500 mm

Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	750 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-30...+50 °C
Type of connection	Cable, 3-pole
Type of protection	IP66
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Pole
Mounting width	300 mm
Adjustable	Yes
Replaceable light source	No

Lifespan


Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Number of switching cycles	30000


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	CB / EMC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	LDV FL

Photometric and lighting design files	Document name
 IES file (IES)	LDV FL 330-420-500W 120X90D840

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854148248	Shipping box 1	622 mm x 607 mm x 192 mm	11867.00 g	72.49 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.

DISCLAIMER

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