

PRODUCT DATASHEET

FL H M LUM V 500W 740 SYM R90

FLOODLIGHT HIGH MAST 500W LUMINAIRE HEAD | IP66 High power floodlight for large areas and big height applications up to 70klm



VALUE
CLASS

Areas of application

- Replacement for luminaires with mercury vapor or metal halide lamps
- Outdoor use (IP66)
- Suitable for high mast applications
- Lighting of large areas
- Construction areas
- Industry

Product benefits

- Low flicker light thanks to special electronic control gear
- Energy savings thanks to high system efficacy: up to 140 lm/W
- Optimized product logistic, luminaire heads and power supplies to be ordered separately in stand-alone packaging
- 5 years guarantee
- Symmetric and asymmetric light distribution for various application areas

Product features

- Cover made of high quality glass
- High-power floodlight with up to 140 lm/W
- Lifetime (L80/B50): up to 100,000 h (at 25 °C)
- Joint or separate installation with floodlight high mast power supply
- Highly-transparent, tempered glass diffusor

TECHNICAL DATA

Electrical data

Nominal wattage	500.00 W
Nominal voltage	345 V
Mains frequency	50...60 Hz
Nominal current	1360.000 mA
Inrush current time T _{h50}	974 µs
Max. number of luminaires per miniature circuit breaker B16	4
Max. number of luminaires per miniature circuit breaker C10	3
Max. number of luminaires per miniature circuit breaker C16	5
Power factor λ	> 0.90
Protection class	I
Operating mode	External LED driver

Photometrical data

Luminous flux	70000 lm
Luminous efficacy	140 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	70
Standard deviation of color matching	5 sdcm
Luminous intensity	41600 cd
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	90 °



FL H M LUM V 300W/500W SYM
R90

Dimensions & Weight

Length	479.00 mm
Width	389.00 mm
Height	243.00 mm
Product weight	9700.00 g



Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Tempered glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-40...+50 °C
Temperature range at storage	-40...+70 °C
Type of connection	Terminal, 3-Pole (L, N, PE)
Type of protection	IP66
Protection class IK (shock resistance)	IK10
Dimmable	Yes
Mounting type	Surface
Mounting location	Wall / Pole / Floor
Application environment	Outdoor
Adjustable	Yes
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	100000 h ¹⁾
Lifespan L80/B50 at 25 °C	100000 h
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 / UKCA / ENEC / EMC / EAC
Luminaire with limited surface temperature, "D sign"	No
Replaceable light source (EPREL)	Not replaceable

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	Floodlight High Mast
	User instruction / safety instructions	FL H M LUM V_POWER SUPPLY_PONTER HOLDER_ CUT OFF HOOD_ WIRE GUARD
	Legal information	FL H M LUM V
	Legal information	FL H M
	Legal information	FL H M LUM V_POWER SUPPLY_PONTER HOLDER_ CUT OFF HOOD_ WIRE GUARD
	Declarations of conformity	CE Declaration FL H M
	Declarations of conformity UKCA	FL HIGH MAST
	Certificates	FL H M
	Certificates	FL H M LUM V
Photometric and lighting design files		Document name
	IES file (IES)	FL H M LUM V 500W 740 SYM R90
	LDT file (Eulumdat)	FL HIGH MAST V 500W 740 SYM R90
	ULD file (DIALux)	FL H M V 500W 740 SYM R90

Photometric and lighting design files		Document name
	ULD file (DIALux)	FL H M LUM V 500W 740 SYM R90
	ROLF file (RELUX)	FL H M LUM V 500W 740 SYM R90
	Light distribution curve type polar	FL H M LUM V 300W/500W SYM R90
CAD/BIM files		Document name
	BIM Revit 3D	Floodlight High Mast
	CAD STEP 3D	FL H M 500
Tender texts		Document name
	Tender documents	FLOODLIGHT HIGH MAST 500W LUMINAIRE HEAD 500W 740 SYM R90-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854196423	Shipping box 1	553 mm x 416 mm x 165 mm	10347.00 g	37.96 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.