

# PRODUCT DATASHEET

## FL H M LUM V 300W 740 SYM R90

FLOODLIGHT HIGH MAST 300W LUMINAIRE HEAD | IP66 High power floodlight for large areas and big height applications up to 42klm



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 system efficacy of up to 140lm/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

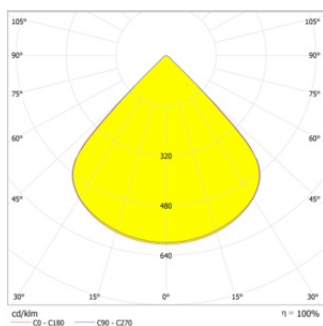
## TECHNICAL DATA

### Electrical data

Nominal wattage	280.00 W
Nominal voltage	345 V
Mains frequency	50...60 Hz
Nominal current	810.000 mA
Inrush current time $T_{h50}$	988 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	4
Max. number of luminaires per miniature circuit breaker C10	4
Max. number of luminaires per miniature circuit breaker C16	7
Power factor $\lambda$	> 0.90
Protection class	I
Operating mode	External LED driver

### Photometrical data

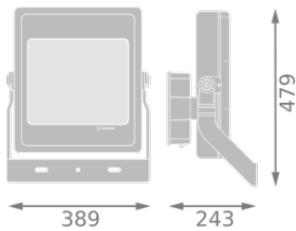
Luminous flux	42000 lm
Luminous efficacy	132 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	70
Standard deviation of color matching	5 sdc <sub>m</sub>
Luminous intensity	25000 cd
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4
Photobiological 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	8650.00 g



FL H M LUM V 300W

## 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
LED module replaceable	Not replaceable
With light source	Yes

## Lifespan







Lifespan L70/B50 at 25 °C	100000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	100000 h <sup>1)</sup>
Number of switching cycles	100000




<sup>1)</sup> 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 / LVD / EMC / ROHS / REACH / SLR / ENEC
Luminaire with limited surface temperature, "D sign"	No

### DOWNLOAD DATA

Documents and certificates		Document name
	User Instruction	Floodlight High Mast
	Addon Technical Information	FL H M LUM V
	Legal information	FL H M
	Declarations of conformity	CE Declaration FL H M
	Declarations Of Conformity UKCA	FL HIGH MAST
	Certificates	FL H M

Photometric and lighting design files		Document name
	IES file (IES)	FL H M LUM V 300W 740 SYM R90
	LDT file (Eulumdat)	FL HIGH MAST V 300W 740 SYM R90
	LDC typ polar	FL H M LUM V 300W/500W SYM R90

Tender texts	Document name
 Tender documents	FLOODLIGHT HIGH MAST 300W LUMINAIRE HEAD 300W 740 SYM R90-EN

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854196003	Shipping box 1	553 mm x 416 mm x 165 mm	9297.00 g	37.96 dm <sup>3</sup>

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.

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### References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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### DISCLAIMER

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