PRODUCT DATASHEET
FL MAX P 900/1200W 857 R45 WAL

FLOODLIGHT MAX RADIAL SYMMETRIC 45 | For a balanced mix of range and area illumination with various optics



PERFOR-MANCE CLASS

Areas of application

- Large stadiums & arenas: homogeneous indoor/outdoor lighting, ideal for TV applications
- City centers/parks: suitable for large squares, monuments, events, or open-air cinemas
- Ports/logistics: lights deep & wide areas, ideal with C5 corrosion protection
- Industrial sites: wide-area safety lighting for factories and power plants
- Motorsport venues: various lenses, illuminating long track sections for TV use

Product benefits

- For extreme temperatures: –40 °C to +50 °C (outdoors), up to +40 °C (indoors)
- Robust and weatherproof: IP66 / IK08, C5-M corrosion protection for harsh environments
- Ball-impact safe: tested to DIN 18032-32, ideal for sports halls
- Effective thermal management: up to 115,000 operating hours lifespan
- Safety rope: included as standard for fall protection

Product features

- Wide angle: broad beam (R45°), medium range, even lighting for large surfaces
- High luminous output up to 270.000 lm, with top efficiency up to 160 lm/W
- Selectable colors (3000 K, 4000 K, 5700 K) and CRI> 80 or CRI> 70
- Flexible driver unit; install up to 150 m away to lighten the mast.
- Modular LED modules, individually swiveling, adjustable beam direction

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TECHNICAL DATA

Electrical data

Nominal wattage	900 W / 1200 W
Nominal voltage	330 V
Mains frequency	0/50/60 Hz
Nominal current	6000mA / 4500mA / 2500mA / 1800 mA
Max. number of luminaires per miniature circuit breaker B16	1
Max. number of luminaires per miniature circuit breaker C16	1
Power factor λ	> 0.94
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	External LED driver

Photometrical data

Luminous flux	120800 lm / 153700 lm
Luminous efficacy	133 lm/W / 128 lm/W
Color temperature	5700 K
Light color (designation)	Cool Daylight
Color rendering index Ra	80
Standard deviation of color matching	5 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG2
Beam angle	45 °

Dimensions & Weight

Length	622.00 mm
Width	660.00 mm
Height	171.00 mm
Product weight	19400.00 g

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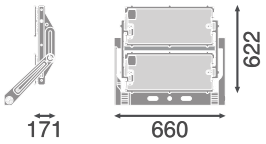

FL MAX P

Materials & Colors

Product color	White aluminum
Housing color	White aluminum
RAL Color (most similar)	RAL 9006
Body material	Aluminum
Cover material	Glass
Light emitting surface material	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…+85 °C
Type of connection	Cable, 3-pole
Type of protection	IP66/IP66
Protection class IK (shock resistance)	IK08
Corrosion resistance class acc. to EN 12944	C5
Dimmable	No
Mounting location	Wall / Pole / Floor
Application environment	Outdoor
Mounting height	0 m
Mechanically adjustable	Yes
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	150000 h [1)]
Lifespan L80/B10 at 25 °C	140000 h [1)]

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Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 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 / CB / ENEC / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	Yes
EPD	LEDV-00061-V02.01-EN
Replaceable light source (EPREL)	Not replaceable

Accessories Optional

Product image	Product name	EAN
	FL FLEX ADAPTER SOCKET NEMA	4099854680113
	FL FLEX ADAPTER SOCKET ZHAGA	4099854680076
	FL MAX PSU DA P 900W WAL	4099854681677
	FL MAX PSU DA P 1200W WAL	4099854681653
	FL MAX CONNECTOR BOX	4099854696176

EQUIPMENT / ACCESSORIES

- Safety rope for luminaire included in all versions
- Power supply unit is not included; luminaire head and and driver box sold separately
- Light modules pre-wired for direct connection in the driver or FL MAX CONNECTOR BOX

Safety advice

- All electrical connections must be made by a qualified person.

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- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire must be disposed of.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.
- Do not stare at the operating light source: The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer that 4 m is not expected.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	User Instruction G11264362 FL MAX P GEN2
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11293674
PDF	Legal information	Legal Insert G11293662
PDF	Declarations of conformity	FLOODLIGHT MAX
PDF	Declarations of conformity UKCA	FL MAX UKCA DECLARATION
PDF	Certificates	FL MAX ENEC CERTIFICATE
PDF	EPD	ENVIRONMENTAL PRODUCT DECLARATION FLOODLIGHT MAX GEN 2

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Floodlight Max G2
STEP	CAD STEP 3D	FL MAX G2 900W 1200W

	Tender texts	Document name
TXT	Tender documents	FLOODLIGHT MAX RADIAL SYMMETRIC 45 900 1200W 857 R45 WAL-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854682490	Shipping box 1	822 mm x 742 mm x 279 mm	21850.00 g	170.17 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.

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References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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