

PRODUCT DATASHEET

FL MAX P 1800W 857 R45 WAL

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



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 $+50^{\circ}\text{C}$ (outdoors), up to $+40^{\circ}\text{C}$ (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

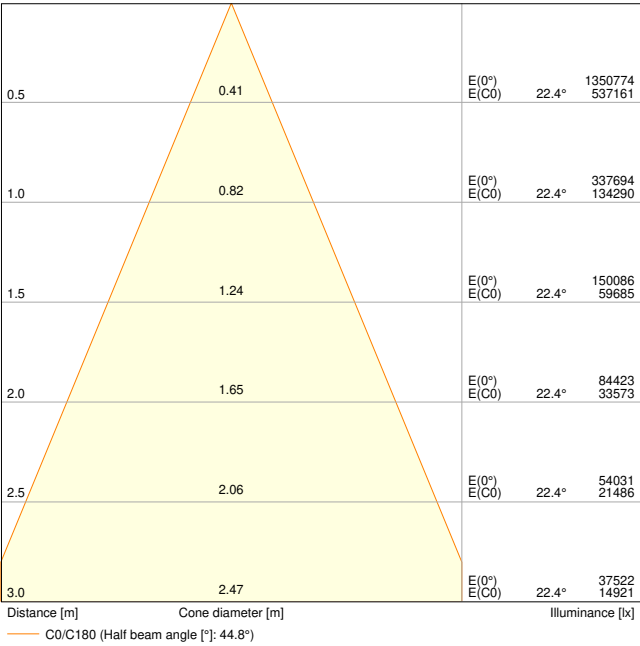
TECHNICAL DATA

Electrical data

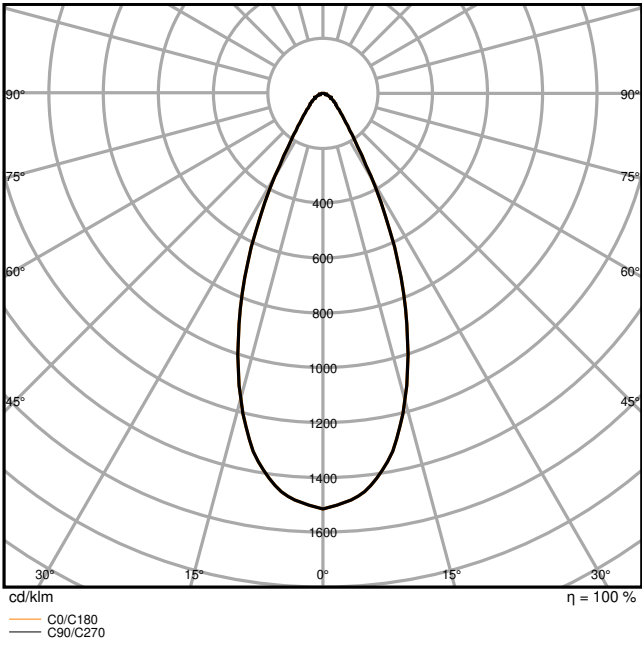
Nominal wattage	1800.00 W
Nominal voltage	330 V
Mains frequency	0/50/60 Hz
Nominal current	9000mA / 3750 mA
Power factor λ	> 0.94
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	External LED driver

Photometrical data

Luminous flux	222900 lm
Luminous efficacy	123 lm/W
Color temperature	5700 K
Light color (designation)	Cool Daylight
Color rendering index Ra	80
Standard deviation of color matching	5 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG2
Beam angle	45 °



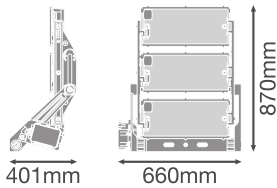
FL MAX P 1800W 857 R45 WAL



FL MAX P 1800W 857 R45 WAL

Dimensions & Weight

Length	870.00 mm
Width	660.00 mm
Height	401.00 mm
Product weight	25900.00 g



FL MAX P 1800W

Materials & Colors

Product color	Gray
Housing color	Gray
RAL-Number	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, 5-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
Adjustable	Yes
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	115000 h ¹⁾
Lifespan L80/B10 at 25 °C	75000 h ¹⁾
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	40000 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
Replaceable light source (EPREL)	Not replaceable

Additional product data

Product remark	Available from December 2025
----------------	------------------------------

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 CONNECTOR BOX	4099854696183

EQUIPMENT / ACCESSORIES

- Safety rope for luminaire included in all versions
- Power supply unit is not included; luminaire head 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.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.
- 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 than 4 m is not expected.

DOWNLOAD DATA

Documents and certificates		Document name
	Legal information	SI_G11251570_41 - safety insert
	Legal information	G11251565 legal insert
	Legal information	Informationstext 18 Abs 4 ElektroG
Photometric and lighting design files		Document name
	IES file (IES)	FL MAX P 1800W 857 R45 WAL

Photometric and lighting design files		Document name
	LDT file (Eulumdat)	FL MAX P 1800W 857 R45 WAL
	UGR file (UGR table)	FL MAX P 1800W 857 R45 WAL
	Light distribution curve type cone	FL MAX P 1800W 857 R45 WAL
	Light distribution curve type polar	FL MAX P 1800W 857 R45 WAL
CAD/BIM files		Document name
	CAD STEP 3D	FL MAX G2 1800W

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854682612	Shipping box 1	977 mm x 742 mm x 279 mm	28600.00 g	202.26 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.