

# PRODUCT DATASHEET

## FL MAX P 1800W 730 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:  $-40^{\circ}\text{C}$  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

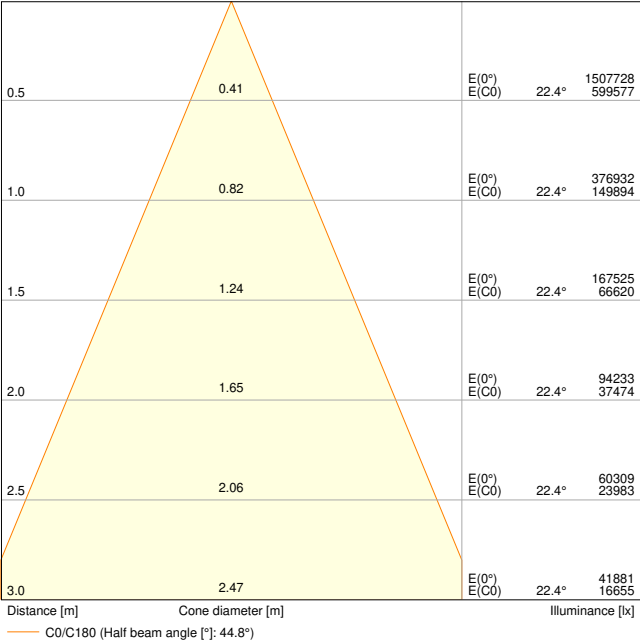
---

**TECHNICAL DATA****Electrical data**

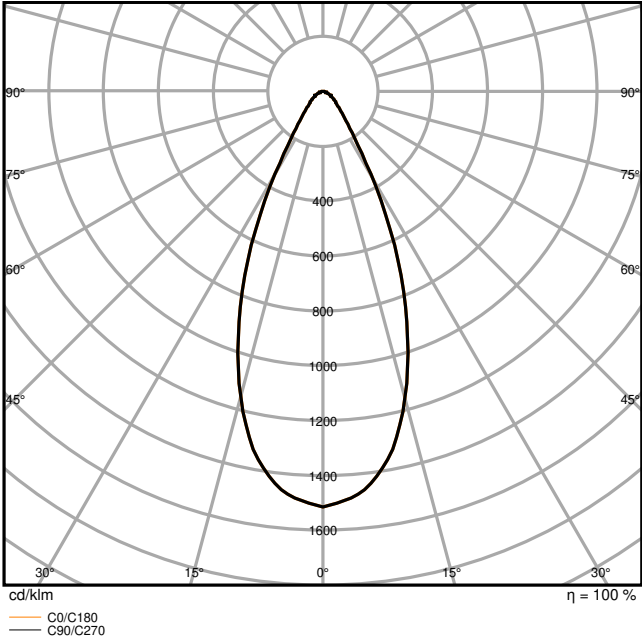
|                           |                     |
|---------------------------|---------------------|
| Nominal wattage           | 1800.00 W           |
| Nominal voltage           | 330 V               |
| Mains frequency           | 0/50/60 Hz          |
| Nominal current           | 9000mA / 3750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

**Photometrical data**

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 248800 lm  |
| Luminous efficacy                            | 138 lm/W   |
| Color temperature                            | 3000 K     |
| Light color (designation)                    | Warm White |
| Color rendering index Ra                     | 70         |
| 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 °       |



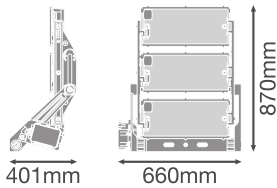
FL MAX P 1800W 730 R45 WAL



FL MAX P 1800W 730 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 <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 75000 h <sup>1)</sup>  |
| Lifespan L80/B50 at 25 °C  | 100000 h               |
| Lifespan L90/B10 at 25 °C  | 40000 h                |
| 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 / 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 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 that 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 730 R45 WAL         |

| Photometric and lighting design files                                            |                                     | Document name              |
|----------------------------------------------------------------------------------|-------------------------------------|----------------------------|
|  | LDT file (Eulumdat)                 | FL MAX P 1800W 730 R45 WAL |
|  | UGR file (UGR table)                | FL MAX P 1800W 730 R45 WAL |
|  | Light distribution curve type cone  | FL MAX P 1800W 730 R45 WAL |
|  | Light distribution curve type polar | FL MAX P 1800W 730 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                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4099854682599 | Shipping box<br>1            | 977 mm x 742 mm x 279 mm             | 28600.00 g   | 202.26 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.

## References / Links

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

## DISCLAIMER

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