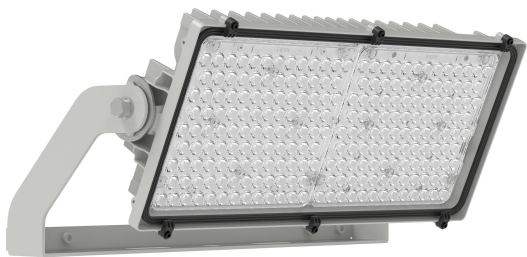


# PRODUCT DATASHEET

## FL MAX P 600W 857 R10 WAL

FLOODLIGHT MAX RADIAL SYMMETRIC 10 | For a balanced mix of range and area illumination with various optics



PERFORMANCE  
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
- Equestrian centres: various lenses for riding tracks and similar venues

### Product benefits

- For extreme temperatures:  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  (outdoors), up to  $+40^{\circ}\text{C}$  (indoors)
- Precise lighting: sharp beam for targeted illumination
- Robust and weatherproof: IP66 / IK08, C5-M corrosion protection for harsh environments
- Ball-impact safe: tested to DIN 18032-32, ideal for sports halls
- Optimized logistics: luminaire and driver box can be ordered separately
- Effective thermal management: up to 115,000 operating hours lifespan
- Flexible mounting: luminaires can be mounted overhead, on a pole, or on a wall
- Safety rope: included as standard for fall protection
- Insect-friendly: 3000 K light protects wildlife, supports subsidies
- Investment security: efficient, durable, future-proof (Zhaga / NEMA / Casambi)
- Manual aiming: sight at the luminaire head allows precise orientation to be fixed

### Product features

- Precise optics for long-range, focused beams in distant areas
- 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
- Low-flicker light (<1 % flicker), ideal for camera use without flickering
- Climate membrane protects from water and lets air pass through

- Pre-assembled cables for quick wiring to driver or FL MAX CONNECTOR BOX
- Luminaire can be centered and aligned precisely via scale
- Optimized housing: lighter than GEN 1 for easier installation

## TECHNICAL DATA

### Electrical data

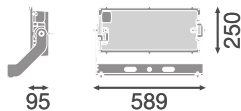
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 600.00 W            |
| Nominal voltage                                             | 330 V               |
| Mains frequency                                             | 0/50/60 Hz          |
| Nominal current                                             | 3000mA / 1250 mA    |
| Max. number of luminaires per miniature circuit breaker B16 | 2                   |
| Max. number of luminaires per miniature circuit breaker C16 | 3                   |
| Power factor $\lambda$                                      | > 0.94              |
| Total harmonic distortion                                   | < 20 %              |
| Protection class                                            | I                   |
| Operating mode                                              | External LED driver |

### Photometrical data

|                                              |               |
|----------------------------------------------|---------------|
| Luminous flux                                | 76800 lm      |
| Luminous efficacy                            | 126 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                                   | 10 °          |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 589.00 mm |
| Width          | 250.00 mm |
| Height         | 95.00 mm  |
| Product weight | 8800.00 g |



FL MAX P

Materials & Colors

|                                            |          |
|--------------------------------------------|----------|
| Product color                              | Gray     |
| Housing color                              | Gray     |
| 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, 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  |

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 600W WAL     | 4099854681646 |
|                                                                                     | 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 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 than 4 m is not expected.

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                            |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------|
|    | User instruction / safety instructions | User Instruction G11249011 FL MAX P GEN2 |
|    | Legal information                      | SI_G11251570_41 - safety insert          |
|    | Legal information                      | G11251565 legal insert                   |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG       |
|    | Declarations of conformity             | FLOODLIGHT MAX                           |
|    | Declarations of conformity UKCA        | FL MAX UKCA DECLARATION                  |
|    | Certificates                           | FL MAX ENEC CERTIFICATE                  |
| CAD/BIM files                                                                      |                                        | Document name                            |
|  | CAD STEP 3D                            | FL MAX G2 600W                           |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854682292 | Shipping box<br>1            | 642 mm x 457 mm x 194 mm             | 9897.00 g    | 56.92 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.