

## PRODUCT DATASHEET

### ENDURA® Flood Warm White PCR 20W White

ENDURA® Flood Warm White PCR | Compact Floodlights in 3000K made of recycled Aluminum



#### Areas of application

- Outdoor
- Garages
- Building facades

#### Product benefits

- Made of recycled aluminum, the floodlight contributes to the reduction of CO2 emissions
- Extremely compact functional design
- Quick and simple installation thanks to low profile, compact and light weight design
- Semi-frosted, tempered glass cover for uniform illumination

#### Product features

- Luminaire housing is made of 100 % recycled aluminum
- Small and compact housing size
- Higher efficiency up to 100 lm/W
- Very bright and functional outdoor LED luminaires
- Symmetrical beam angle: 110° x 110°
- Mounting bracket for up to 180° tilting
- Type of protection: IP65
- Connection via 1 m cable, wiring required



TECHNICAL DATA

Electrical data

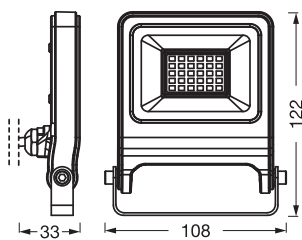
|                                                             |               |
|-------------------------------------------------------------|---------------|
| Nominal wattage                                             | 20.00 W       |
| Nominal voltage                                             | 220...240 V   |
| Mains frequency                                             | 50...60 Hz    |
| Nominal current                                             | 100.000 mA    |
| Max. number of luminaires per miniature circuit breaker B16 | 128           |
| Max. number of luminaires per miniature circuit breaker C16 | 128           |
| Power factor $\lambda$                                      | > 0.90        |
| Total harmonic distortion                                   | < 20 %        |
| Protection class                                            | I             |
| Operating mode                                              | Mains voltage |

Photometrical data

|                                                |            |
|------------------------------------------------|------------|
| Luminous flux                                  | 1800 lm    |
| Total luminous flux of contained light sources | 1900 lm    |
| Luminous efficacy                              | 90 lm/W    |
| Color temperature                              | 3000 K     |
| Light color (designation)                      | Warm White |
| Color rendering index Ra                       | > 80       |
| Standard deviation of color matching           | 6 sdcm     |
| Flickering metric (Pst LM)                     | <1         |
| Photobiological safety group acc. to EN62778   | RG1        |
| Beam angle                                     | 110 °      |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 108.00 mm |
| Width          | 33.00 mm  |
| Height         | 122.00 mm |
| Product weight | 280.00 g  |



ENDURA FLOOD PCR 20W

Materials & Colors

|                                            |          |
|--------------------------------------------|----------|
| Product color                              | White    |
| Housing color                              | White    |
| Body material                              | Aluminum |
| Cover material                             | Glass    |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C   |
| Mercury content                            | 0.0 mg   |

Application & Mounting

|                                        |                             |
|----------------------------------------|-----------------------------|
| Ambient temperature range              | -20...+35 °C                |
| Temperature range at storage           | -30...+80 °C                |
| Type of connection                     | Terminal, 3-Pole (L, N, PE) |
| Type of protection                     | IP65                        |
| Protection class IK (shock resistance) | IK06                        |
| Dimmable                               | No                          |
| Mounting type                          | Surface                     |
| Mounting location                      | Wall                        |
| Application environment                | Outdoor                     |
| With light source                      | Yes                         |
| Replaceable light source               | No                          |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 30000 h <sup>1)</sup> |
| Number of switching cycles | 15000                 |

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

## Emergency lighting

|                                  |      |
|----------------------------------|------|
| Type of emergency operation test | None |
|----------------------------------|------|

## Certificates &amp; Standards

|                                                      |           |
|------------------------------------------------------|-----------|
| Standards                                            | CE / UKCA |
| Luminaire with limited surface temperature, "D sign" | No        |

## Safety advice

- All electrical connections must be made by a qualified person.
- 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.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|   | User instruction / safety instructions | Endura Flood Nature Loop           |
|  | User instruction / safety instructions | G11236456 ENDURA FLOOD PCR         |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Legal information                      | Safety Insert G11219302            |
|  | Legal information                      | Legal Insert LI_G11234802_R        |
|  | Declarations of conformity             | ENDURA FLOOD PCR                   |
|  | Declarations of conformity UKCA        | ENDURA FLOOD PCR                   |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854486425 | Folding box<br>1             | 72 mm x 122 mm x 136 mm              | 311.00 g     | 1.19 dm <sup>3</sup> |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854486432 | Shipping box<br>12           | 255 mm x 225 mm x 285 mm             | 4041.00 g    | 16.35 dm³ |

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.

DISCLAIMER

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