

# PRODUCT DATASHEET

## FLOODLIGHT 180 W 4000 K IP65 BK

FLOODLIGHT 180 | Floodlight with symmetrical light output with 180 W



### Areas of application

- Replacement for floodlights with halogen lamps
- Garages
- Public areas
- Building facades
- Construction areas
- D-sign according to EN 60598-2-24 for fire-risk commercial unit, e.g. by accumulation of dust

### Product benefits

- Frosted cover made of tempered glass for uniform illumination
- Optimized weight and size due to compact design
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Energy savings of up to 90 % compared to halogen lamp floodlights
- 5 years guarantee

### Product features

- Luminaire efficacy: up to 110 lm/W
- Symmetrical beam angle: 100° x 100°
- Mounting bracket for up to 180° tilting
- Type of protection: IP65
- Impact resistance: IK08
- Ambient temperature in operation: -20...+50 °C
- Connection via 1 m cable, wiring required



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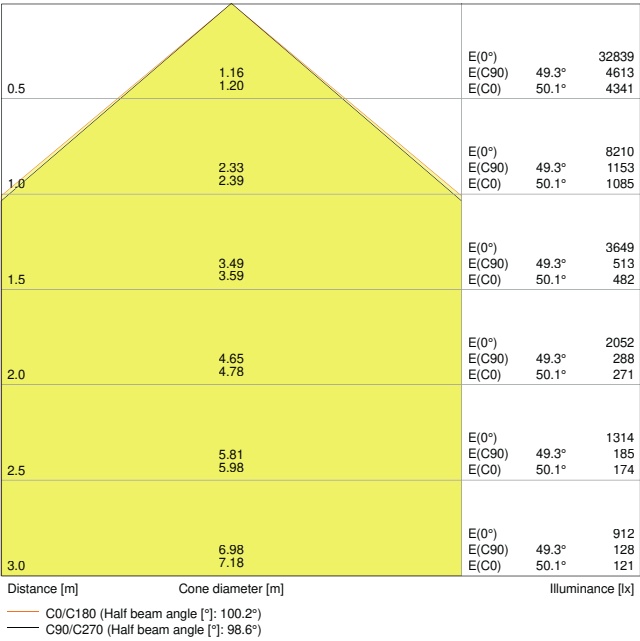
## TECHNICAL DATA

### Electrical data

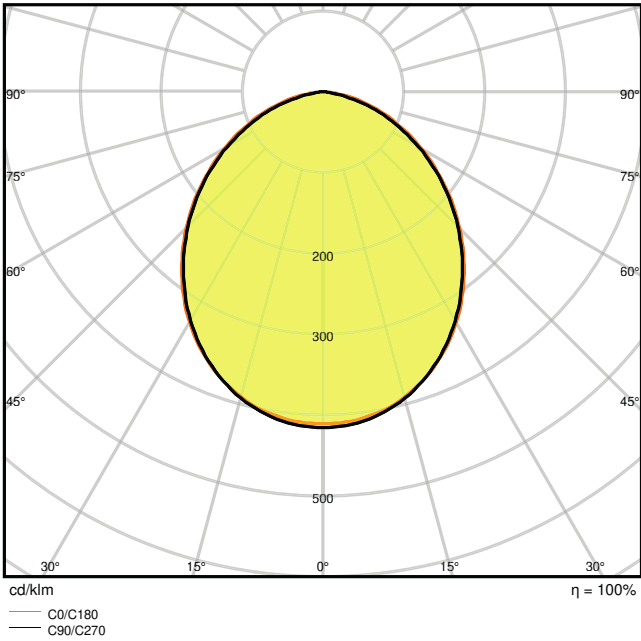
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 180.00 W              |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 820 mA                |
| Inrush current                                              | 68 A                  |
| Inrush current time $T_{h50}$                               | 1000 $\mu$ s          |
| Max. number of luminaires per miniature circuit breaker B16 | 10                    |
| Max. number of luminaires per miniature circuit breaker C10 | 8                     |
| Max. number of luminaires per miniature circuit breaker C16 | 13                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

|                                              |                           |
|----------------------------------------------|---------------------------|
| Luminous flux                                | 20000 lm                  |
| Luminous efficacy                            | 110 lm/W                  |
| Color temperature                            | 4000 K                    |
| Light color (designation)                    | Cool White                |
| Color rendering index Ra                     | $\geq 80$                 |
| Standard deviation of color matching         | $\leq 5$ sdc <sub>m</sub> |
| Photobiological safety group acc. to EN62778 | RG1                       |
| Photobiological safety group acc. to EN62471 | RG0                       |
| Beam angle                                   | 100 ° x 100 °             |



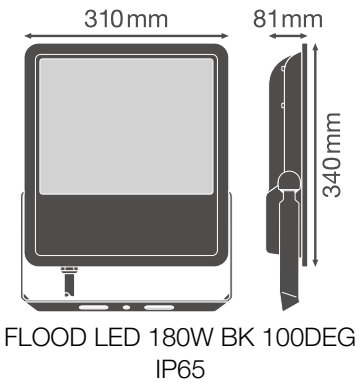
Flood LED Sym 180W 4000K BK IP65



Flood LED Sym 180W 4000K BK IP65

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 340.00 mm |
| Width          | 310.00 mm |
| Height         | 81.00 mm  |
| Product weight | 4900.00 g |
| Cable length   | 1000 mm   |



## Materials &amp; Colors

|                                            |                |
|--------------------------------------------|----------------|
| Product color                              | Black          |
| Housing color                              | Black          |
| Body material                              | Aluminum       |
| Cover material                             | Tempered glass |
| Light emitting surface material            | Glass          |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C         |
| Mercury content                            | 0.0 mg         |

## Application &amp; Mounting

|                                        |                               |
|----------------------------------------|-------------------------------|
| Ambient temperature range              | -20...+50 °C                  |
| Type of connection                     | Cable, 3-pole                 |
| Type of protection                     | IP65                          |
| Protection class IK (shock resistance) | IK08                          |
| Dimmable                               | No                            |
| Mounting type                          | Surface                       |
| Mounting location                      | Wall / Pole / Floor / Ceiling |
| Application environment                | Outdoor                       |
| Adjustable                             | Yes                           |
| Replaceable light source               | No                            |

## Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 30000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 30000 h               |
| Lifespan L90/B10 at 25 °C  | 15000 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)

## Control gear

|                |        |
|----------------|--------|
| Output current | 790 mA |
|----------------|--------|

## Certificates &amp; Standards

|                                                      |                                |
|------------------------------------------------------|--------------------------------|
| Standards                                            | CE / CB / TÜV SÜD / EAC / RoHS |
| Luminaire with limited surface temperature, "D sign" | Yes                            |
| Ball shot safe                                       | No                             |

|                                  |                 |
|----------------------------------|-----------------|
| Replaceable light source (EPREL) | Not replaceable |
|----------------------------------|-----------------|

DOWNLOAD DATA

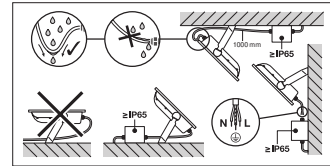
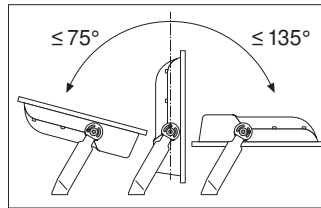
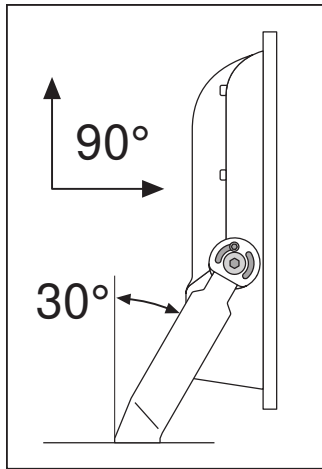
| Documents and certificates                                                         |                                        | Document name                                       |
|------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------|
|    | User instruction / safety instructions | FLOODLIGHT 100DEG                                   |
|    | User instruction / safety instructions | User Instruction Floodlight LED 100 DEG             |
|    | On-Pack-Info                           | Legal Insert Floodlight 100 DEG                     |
|    | Declarations of conformity             | EU Declaration of Conformity Floodlight 100DEG LEDV |
|    | Declarations of conformity             | Attestation of Conformity Floodlight 100DEG TÜV     |
|    | Certificates                           | Floodlight 100 DEG CE Certificate                   |
| Photometric and lighting design files                                              |                                        | Document name                                       |
|  | IES file (IES)                         | Flood LED Sym 180W 4000K BK IP65                    |
|  | LDT file (Eulumdat)                    | Flood LED Sym 180W 4000K BK IP65                    |
|  | ULD file (DIALux)                      | FLOODLIGHT180180W4000KIP65BK                        |
|  | ROLF file (RELUX)                      | FLOOD SYM 180W 4000K IP64                           |
|  | UGR file (UGR table)                   | Flood LED Sym 180W 4000K BK IP65                    |
|  | Light distribution curve type cone     | Flood LED Sym 180W 4000K BK IP65                    |
|  | Light distribution curve type polar    | Flood LED Sym 180W 4000K BK IP65                    |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075097728 | Shipping box<br>1            | 423 mm x 355 mm x 144 mm             | 5559.00 g    | 21.62 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.

## ADDITIONAL CATALOG INFORMATION



## References / Links

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

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