

# PRODUCT DATASHEET

## FLOODLIGHT 20 W 6500 K IP65 BK

FLOODLIGHT 20 | Floodlight with symmetrical light output with 20 W



### Areas of application

- Replacement for floodlights with halogen lamps
- Car parks and underpasses
- 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
- 3 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: IK07
- Ambient temperature in operation: -20...+50 °C
- Connection via 1 m cable, wiring required



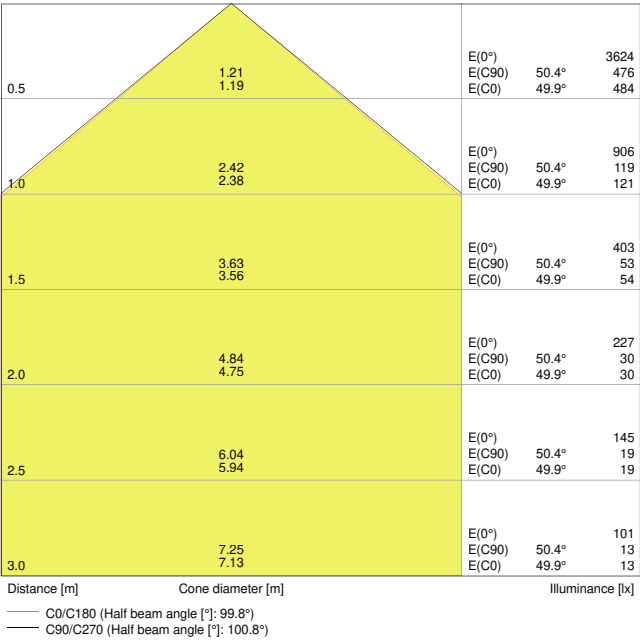
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**TECHNICAL DATA****Electrical data**

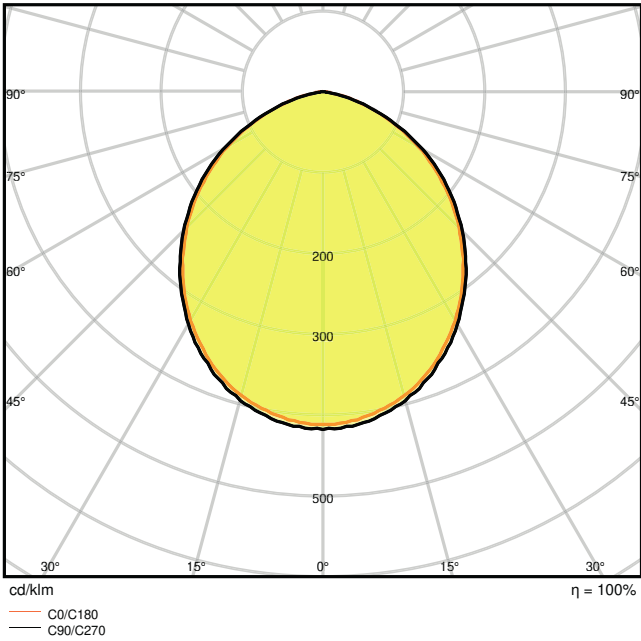
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 20.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 96 mA                 |
| Inrush current                                              | 19 A                  |
| Max. number of luminaires per miniature circuit breaker B16 | 83                    |
| Max. number of luminaires per miniature circuit breaker C10 | 66                    |
| Max. number of luminaires per miniature circuit breaker C16 | 106                   |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 25 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

**Photometrical data**

|                                              |                     |
|----------------------------------------------|---------------------|
| Luminous flux                                | 2200 lm             |
| Luminous efficacy                            | 110 lm/W            |
| Color temperature                            | 6500 K              |
| Light color (designation)                    | Cool Daylight       |
| Color rendering index Ra                     | ≥80                 |
| Standard deviation of color matching         | ≤5 sdc <sub>m</sub> |
| Photobiological safety group acc. to EN62778 | RG1                 |
| Photobiological safety group acc. to EN62471 | RG0                 |
| Beam angle                                   | 100 ° x 100 °       |



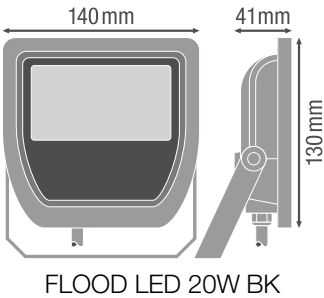
Flood LED Sym 20W 6500K BK IP65



Flood LED Sym 20W 6500K BK IP65

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 130.00 mm |
| Width          | 140.00 mm |
| Height         | 41.00 mm  |
| Product weight | 560.00 g  |
| Cable length   | 1000 mm   |



FLOOD LED 20W BK

Materials & Colors

|               |       |
|---------------|-------|
| Product color | Black |
|---------------|-------|

|                                            |                             |
|--------------------------------------------|-----------------------------|
| Housing color                              | Black                       |
| Body material                              | Aluminum Polycarbonate (PC) |
| 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 & Mounting

|                                        |                        |
|----------------------------------------|------------------------|
| Ambient temperature range              | -20...+50 °C           |
| Type of connection                     | Cable, 3-pole          |
| Type of protection                     | IP65                   |
| Protection class IK (shock resistance) | IK07                   |
| Dimmable                               | No                     |
| Mounting type                          | Surface                |
| Mounting location                      | Wall / Ceiling / Floor |
| 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                |

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 / 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 | User Instruction Floodlight LED 100 DEG             |
|  | User instruction / safety instructions | FLOODLIGHT 100DEG                                   |
|  | On-Pack-Info                           | Legal Insert Floodlight 100 DEG                     |
|  | Declarations of conformity             | Attestation of Conformity Floodlight 100DEG TÜV     |
|  | Declarations of conformity             | EU Declaration of Conformity Floodlight 100DEG LEDV |
|  | Certificates                           | Floodlight 100 DEG CE Certificate                   |

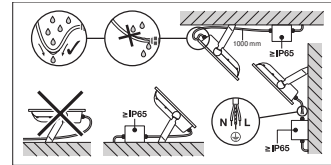
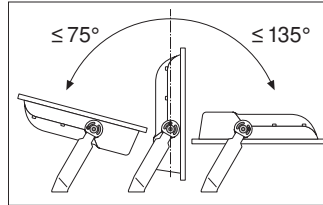
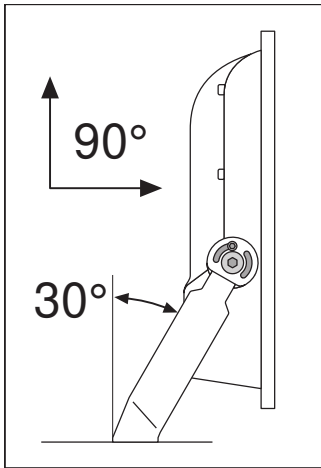
| Photometric and lighting design files                                              |                                     | Document name                   |
|------------------------------------------------------------------------------------|-------------------------------------|---------------------------------|
|    | IES file (IES)                      | Flood LED Sym 20W 6500K BK IP65 |
|   | LDT file (Eulumdat)                 | Flood LED Sym 20W 6500K BK IP65 |
|  | ULD file (DIALux)                   | FLOODLIGHT2020W6500KIP65BK      |
|  | UGR file (UGR table)                | Flood LED Sym 20W 6500K BK IP65 |
|  | Light distribution curve type cone  | Flood LED Sym 20W 6500K BK IP65 |
|  | Light distribution curve type polar | Flood LED Sym 20W 6500K BK IP65 |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075097520 | Folding box<br>1             | 46 mm x 146 mm x 197 mm              | 611.00 g     | 1.32 dm <sup>3</sup>  |
| 4058075097537 | Shipping box<br>10           | 309 mm x 255 mm x 228 mm             | 6730.00 g    | 17.97 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.

## ADDITIONAL CATALOG INFORMATION



### References / Links

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

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