

# PRODUCT DATASHEET

## LED VALUE FLOODLIGHT 300W 4000K

### 120X90DEG IP66

LED VALUE MULTIPOWER FLOODLIGHT | Floodlights



#### Areas of application

- Sports grounds and outdoor facilities
- Area lighting
- Public areas

#### Product benefits

- Low maintenance costs thanks to long lifetime 50,000 hrs @ 35 °C
- Energy savings thanks to system efficacy of up to 150 lm/W

#### Product features

- Input voltage: 100 - 277V AC
- Available with selectable wattage: 210 W/250 W/300 W in 300 W version
- Available with selectable wattage: 330 W/420 W/500 W in 500 W version
- Standard CCT: 6500 K and 4000 K
- Color rendering index  $R_a \geq 80$
- Power factor:  $\geq 0.9$
- Lifetime up to 50,000 h
- Type of protection: IP66
- Impact resistance: IK08

## TECHNICAL DATA

### Electrical data

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 300.00 W              |
| Nominal voltage                                             | 100...277 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 1.96...5 A            |
| Inrush current time T <sub>h50</sub>                        | 1800 µs               |
| Max. number of luminaires per miniature circuit breaker B16 | 3                     |
| Max. number of luminaires per miniature circuit breaker C16 | 6                     |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

|                                              |              |
|----------------------------------------------|--------------|
| Luminous flux                                | 42000 lm     |
| Luminous efficacy                            | 140 lm/W     |
| Color temperature                            | 4000 K       |
| Light color (designation)                    | Cool White   |
| Color rendering index Ra                     | ≥80          |
| Standard deviation of color matching         | < 5 sdcm     |
| Photobiological safety group acc. to EN62778 | RG1          |
| Beam angle                                   | 120 ° x 90 ° |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 432.00 mm |
| Width          | 445.00 mm |
| Height         | 105.00 mm |
| Product weight | 6600.00 g |
| Cable length   | 500 mm    |

### Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | Black              |
| Housing color                              | Black              |
| Body material                              | Aluminum           |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 750 °C             |
| Mercury content                            | 0.0 mg             |

## Application & Mounting

|                                        |               |
|----------------------------------------|---------------|
| Ambient temperature range              | -30...+50 °C  |
| Type of connection                     | Cable, 3-pole |
| Type of protection                     | IP66          |
| Protection class IK (shock resistance) | IK08          |
| Dimmable                               | No            |
| Mounting type                          | Surface       |
| Mounting location                      | Wall / Pole   |
| Mounting width                         | 300 mm        |
| Adjustable                             | Yes           |
| Replaceable light source               | No            |

## Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Number of switching cycles | 30000                 |

<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                                            | CB / EMC |
| Luminaire with limited surface temperature, "D sign" | No       |
| Ball shot safe                                       | No       |

## DOWNLOAD DATA

| Documents and certificates                                                                                                | Document name |
|---------------------------------------------------------------------------------------------------------------------------|---------------|
|  User instruction / safety instructions | LDV FL        |

| Photometric and lighting design files                                                             | Document name                  |
|---------------------------------------------------------------------------------------------------|--------------------------------|
|  IES file (IES) | LDV FL 210-250-300W 120X90D840 |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854148279 | Shipping box<br>1            | 582 mm x 457 mm x 192 mm             | 8228.00 g    | 51.07 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.

**DISCLAIMER**

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