

# PRODUCT DATASHEET

## LDVAL FL 50W TRI CCT

LED VALUE FLOODLIGHT TRI CCT | Floodlights



### Areas of application

- Architectural lighting
- Security lighting
- Public areas

### Product benefits

- Low windage thanks to the compact and slim design
- Breather protects luminaires against the siphonage
- Texture glass offer a comfortable lighting
- IP65 protection is suitable for outdoor application
- 50,000 h long lifetime reduces maintenance costs

### Product features

- Available in 10 W, 20 W, 30 W, 50 W, 100 W, 150 W and 200 W
- TRI CCT (3000K/4000K/6500K)
- Color rendering index  $R_a$ : > 80
- Power factor: > 0.9
- Lifetime (L70/B50): 50,000 h (at 25 °C)
- Type of protection: IP65
- Impact resistance: IK06
- Safety compliance certificates: CB EMC RoHS 2.0 SASO

TECHNICAL DATA

Electrical data

|                               |             |
|-------------------------------|-------------|
| Nominal wattage               | 50.00 W     |
| Nominal voltage               | 100...240 V |
| Mains frequency               | 50...60 Hz  |
| Power factor $\lambda$        | 0.90        |
| Total harmonic distortion     | < 20 %      |
| Protection class              | I           |
| Surge capability (L-N)        | 2 kV        |
| Surge capability (L/N-Ground) | 2 kV        |

Photometrical data

|                          |                      |
|--------------------------|----------------------|
| Luminous efficacy        | 130 lm/W             |
| Color temperature        | 3000...4000...6500 K |
| Color rendering index Ra | ≥80                  |
| Luminous intensity       | 2500 cd              |
| Low flicker              | No                   |
| Beam angle               | 110 °                |

Adjustable attributes

| Nominal wattage | Color temperature | Luminous flux | Luminous efficacy |
|-----------------|-------------------|---------------|-------------------|
| 50W             | 5500lm            | 3000K         |                   |
| 50W             | 6500lm            | 4000K         |                   |
| 50W             | 6000lm            | 6500K         |                   |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 220.00 mm |
| Width          | 200.00 mm |
| Height         | 34.00 mm  |
| Product weight | 750.00 g  |



LDVAL FL 50W TRI CCT

Materials & Colors

|                                            |          |
|--------------------------------------------|----------|
| Product color                              | Black    |
| Housing color                              | Black    |
| RAL Color (most similar)                   | RAL 9017 |
| Body material                              | Aluminum |
| Cover material                             | Glass    |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C   |

Application & Mounting

|                                        |              |
|----------------------------------------|--------------|
| Ambient temperature range              | -30...+50 °C |
| Temperature range at storage           | -40...80 °C  |
| Type of protection                     | IP65         |
| Protection class IK (shock resistance) | IK06         |
| Dimmable                               | No           |
| Mounting type                          | Surface      |
| Application environment                | Outdoor      |
| Replaceable light source               | No           |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 50000 h               |
| 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 / ROHS / EMC |
|-----------|-----------------|

DOWNLOAD DATA

| Documents and certificates                                                          |                                        | Document name              |
|-------------------------------------------------------------------------------------|----------------------------------------|----------------------------|
|  | User instruction / safety instructions | LDVAL FL TRI CCT           |
| Photometric and lighting design files                                               |                                        | Document name              |
|  | IES file (IES)                         | LDVAL FL 50W TRI CCT 3000K |
|  | IES file (IES)                         | LDVAL FL 50W TRI CCT 4000K |

| Photometric and lighting design files                                             |                     | Document name              |
|-----------------------------------------------------------------------------------|---------------------|----------------------------|
|  | IES file (IES)      | LDVAL FL 50W TRI CCT 6500K |
|  | LDT file (Eulumdat) | LDVAL FL 50W TRI CCT 3000K |
|  | LDT file (Eulumdat) | LDVAL FL 50W TRI CCT 4000K |
|  | LDT file (Eulumdat) | LDVAL FL 50W TRI CCT 6500K |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854505027 | Folding box<br>1             | 226 mm x 39 mm x 206 mm              | 822.00 g     | 1.82 dm³  |
| 4099854505034 | Shipping box<br>10           | 410 mm x 246 mm x 231 mm             | 8625.00 g    | 23.30 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.