

PRODUCT DATASHEET

LED ECO LITE FLOODLIGHT 100 W/3000 K

LED ECO LITE FLOODLIGHT G2 | Floodlights



Areas of application

- Parking
- Sports facilities
- Billboard lighting
- Public areas

Product benefits

- Low windage thanks to the compact and slim design
- Cable water stopper protects luminaires against the siphonage
- Texture glass offer a comfortable lighting
- IP65 protection is suitable for outdoor application

Product features

- Driver on board technology platform
- Available in 10 W, 20 W, 30 W, 50 W, 100 W, 150 W and 200 W
- Standard CCT: 3000 K & 6500 K
- Color rendering index R_a : > 80
- Power factor: > 0.9
- Luminaire efficacy: up to 80 lm/W
- Lifetime: up to 20,000 h
- Safety compliance certificates: CB, EMC, RoHS 2.0

TECHNICAL DATA

Electrical data

| | |
|---|--------------|
| Nominal wattage | 100.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 0.42 A |
| Inrush current | 2.1 A |
| Inrush current time T_{h50} | 4.68 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 30 |
| Max. number of luminaires per miniature circuit breaker C16 | 30 |
| Power factor λ | 0.90 |
| Total harmonic distortion | ≤ 20 % |
| Protection class | I |

Photometrical data

| | |
|--|----------------------|
| Luminous flux | 8000 lm |
| Luminous efficacy | 80 lm/W |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | < 6 sdc _m |
| Luminous intensity | 2910 |
| Photobiological safety group acc. to EN62778 | RG1 |
| Beam angle | 110 ° |

Dimensions & Weight

| | |
|----------------|-----------|
| Length | 284.00 mm |
| Width | 222.00 mm |
| Height | 31.00 mm |
| Product weight | 1270.00 g |
| Cable length | 0.3 m |

Materials & Colors

| | |
|-----------------|----------|
| Product color | Gray |
| Housing color | Gray |
| Body material | Aluminum |
| Mercury content | 0.0 mg |

Application & Mounting

| | |
|--|--------------|
| Ambient temperature range | -30...+45 °C |
| Type of protection | IP65 |
| Protection class IK (shock resistance) | IK06 |
| Dimmable | No |
| With light source | Yes |

Lifespan


| | |
|---------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 20000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 20000 h ¹⁾ |
| Lifespan L80/B50 at 25 °C | 20000 h |

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 | CB / ROHS / EMC |
| Replaceable light source (EPREL) | Not replaceable |

DOWNLOAD DATA

| Photometric and lighting design files | Document name |
|---|------------------------|
|  IES file (IES) | LDECO LITE FL 100W 830 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075729667 | Folding box 1 | 290 mm x 38 mm x 254 mm | 1370.00 g | 2.80 dm ³ |
| 4058075729674 | Shipping box 10 | 527 mm x 307 mm x 214 mm | 14400.00 g | 34.62 dm ³ |

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.