



ECO PREMIUM RANGE 70W LED FLOODLIGHT

961-050 CYFELCO 2 FLL 70W BLACK 840

PRODUCT DATASHEET

LED FLOODLIGHT SUITABLE FOR OUTDOOR INSTALLATION

Areas of application

- Direct replacement for conventional floodlights with halogen lamps
- Public areas, Building Facades, Construction areas
- Gardens, balconies and other outdoor areas
- Parking area lighting

Product Features

- Premium performance with CRI (Ra)>80 and 120 lm/W
- Energy Class D
- Flicker-free design
- Aluminium Housing and Clear Glass Diffuser
- Lifetime (L70/B50): up to 25,000 h (at 25 °C)
- 3 Years Warranty



TECHNICAL DATA

Operating and Electrical

| | |
|------------------------------|-------------|
| Input Voltage | 220-240V AC |
| Line Frequency | 50/60 Hz |
| Nominal Power Consumption | 70W |
| Power Factor | >0.9 |
| Total Harmonic Distortion | <20% |
| Protection Class | Class I |
| Driver | DOB |
| Photobiological safety group | RG 1 |

Application

| | |
|---------------------------|------------------|
| Ambient Temperature Range | -20 to +40 °C |
| Ingress Protection Code | IP65 |
| Mech. Impact Protection | IK07 |
| Mounting Type | Mounting Bracket |
| Dimmable | No |

Logistics (Packaging)

| | |
|--------------------------------|-----------------------|
| Product Dimensions (H x L x W) | 27.3x224x157.5mm |
| Packaging Size | 233.5x31x175 mm |
| Packing | 1 pcs per carton box |
| Gross Weight | 0.790 kg |
| Net Weight | 0.719 kg |
| Volume | 0.0013 m ³ |

Directives

| | |
|-------------|------------------------------------------------------|
| 2014/30/EU | Electromagnetic Compatibility Directive |
| 2014/35/EU | Low Voltage Directive |
| 2011/65/EU | Restriction of Hazardous Substances Directive (RoHS) |
| 2009/125/EU | Ecodesign Requirements for energy-related products |

Standards

| | |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EN 60598-1:2015 | Luminaires part 1: General Requirements |
| EN 60598-2-1:1989 | Luminaires Part 2: Particular requirements-Section 1 Fixed general purpose luminaires |
| EN IEC 55015:2019+A11:2020 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
| EN 61547:2009 | Equipment for general lighting purposes - EMC immunity requirements |
| EN IEC 61000-3-2:2019 | Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16 A per phase) |
| EN 61000-3-3:2013+A1:2019 | Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection |
| | |
| | |

Photometric Data

| | |
|----------------------------|---------------------|
| Luminous Flux | 8400 lm |
| Luminous Efficacy | 120 lm/W |
| Color Temperature | 4000 K (Cool White) |
| Color Rendering Index Ra | >80 |
| SDCM | <5 |
| Beam Angle | 110° |
| Flickering metric (Pst LM) | <1 |
| Stroboscopic Effect (SVM) | <4 |

Mechanical and Housing

| | |
|-----------------------------|--------------|
| Housing Material | Aluminium |
| Diffuser | Clear Glass |
| Housing Color | Black |
| Overtime Performance | |
| Lifespan L70/B50 at 25 °C | > 25,000 hrs |

Logistics (Master Box)

| | |
|-------------------------|----------------------|
| Master Box Size | 340x255x195 mm |
| Packing | 10pcs per Master Box |
| Master Box Gross Weight | 8.0 kg |
| Master Box Net Weight | 7.19 kg |
| Volume | 0.0169m ³ |

