

Tender Specifications



EclPar IPSFC

IP65 single source 60W RGB+WW LED spotlight,
15° optics included

1. General Requirements

- 1.1. The fixture shall be a single-source LED PAR fixture, equipped with a 60W RGB + Warm White LED array.
- 1.2. The luminaire shall be ultra-compact, fan-free and suitable for professional accent lighting and nearfield projection, for both indoor and outdoor temporary use, IP65-rated.
- 1.3. It shall be equipped with a special calibration and color management system to ensure advanced color control and high consistency across fixtures.
- 1.4. The luminaire shall be supplied with a narrow lens (15°) as standard and shall be capable of accepting optional medium lens (30°), wide lens (60°), and asymmetric filters, which shall be mountable via dedicated accessory holders.
- 1.5. The luminaire shall be capable of rotating asymmetric filters in place, allowing adjustment of the beam projection without removal of the filter.

2. Light Source

- 2.1. The luminaire shall utilize a 60W RGB + Warm White LED array.
- 2.2. The fixture shall support white presets with correlated color temperatures (CCT) adjustable from 2,700K to 10,000K, with additional green/magenta correction and tungsten emulation.
- 2.3. The source shall have a life expectancy greater than 50,000 hours.

3. Optical System

- 3.1. The luminaire shall be supplied with a standard narrow lens and must be capable of accepting additional medium lens, wide lens, and asymmetric optical filters as optional accessories.
- 3.2. The product shall have beam and field angle for the narrow lens of 12.7° (beam) / 20.2° (field).
- 3.3. The lens diameter shall be 100 mm (3.94").
- 3.4. The optical system shall include a parabolic reflector in combination with an HD Fresnel lens, and must allow lens mounting on both internal and external sides of the unit.
- 3.5. The device shall permit rapid interchange of lenses, and shall allow each asymmetric filter to be rotated by 90°, providing on-site adjustment of beam projection.

4. Photometric Performance

- 4.1. The fixture shall deliver a luminous flux of 2,938 lm with narrow lens, 2,238lm with medium lens, and 2,373 lm with wide lens at Full On.
- 4.2. With the narrow lens and at full output, the luminaire shall deliver a luminous flux of 2,500 lm at 3,200K and 2,092 lm at 5,600K.
- 4.3. The fixture shall deliver a peak illuminance of 1,636 lx at 5 m (3,200K) and 1,371 lx at 5 m (5,600K).

- 4.4. The source shall provide a CRI of not less than 92,8 at 3,200K and 92,3 at 5,600K.
- 4.5. The source shall provide a TLCI of not less than 87 at 3,200K and 89 at 5,600K
- 4.6. TM-30 Rf/Rg values shall be 93.1/106.2 at 3,200K; 89.8/105.8 at 5,600K.
- 4.7. The system shall provide R9 values of 87.1 at 3,200K and 94.2 at 5,600K.

5. Control And Interface

- 5.1. The luminaire shall support DMX512 and RDM control protocols.
- 5.2. The fixture shall provide selectable DMX modes from 1 to 18 channels (1/2/5/9/10/12/18), including 16-bit control for key parameters.
- 5.3. The luminaire shall be equipped with a graphic display for configuration.
- 5.4. Firmware upgrades must be performed via DMX with UPBOXPRO/UPBOX1 (USB-DMX interface not included).

6. Mechanical And Physical Data

- 6.1. The fixture housing shall be constructed from die-cast aluminium, black finish.
- 6.2. Physical dimensions shall be 211 mm (W) x 284 mm (H) x 248 mm (D).
- 6.3. Weight shall be 2.8 kg (6.17lbs).
- 6.4. The fixture shall operate with passive convection cooling, without a fan.

7. Electrical

- 7.1. The luminaire shall be capable of operation on 100–240V AC, 50/60Hz power supply.
- 7.2. The maximum power consumption shall not exceed 65W.

8. Environmental

- 8.1. The luminaire shall be designed to operate in ambient temperatures from -20°C to +45°C.
- 8.2. The fixture shall have an IP65 ingress protection rating for temporary outdoor applications, not for fixed installations.

9. Certifications

- 9.1. The fixture shall be certified to CE (including LVD and EMC), FCC and RCM standards, complying with applicable safety and EMC directives.

10. Accessories

- 10.1. The luminaire shall be compatible with the following accessories (as listed in the official datasheet):
 - Flight Case for 8 pcs.
 - Lens: Narrow (included), Medium, Wide.

- Filter Holder.
- Light diffusion Filter: 10°x20°, 10°x40°, 10°x60°, 30°x60°.
- Full Snoot.
- Barn door with 8 directional flaps.
- Honeycomb louvre.
- Concentric louvre.
- Wireless Kit (CRMX Timo Fx kit).
- Floor Bracket.
- Spigot.
- Aluminium clamp.
- Security Cable.
- Firmware uploader UPBOXPRO.

Approved device shall be the PROLIGHTS EclPar IPSFC; no alternates or equals.