

Tender Specifications



EclPar IPSVW

IP65 single source 60W Variable White LED
spotlight, 15° optics included

1. General Requirements

- 1.1. The fixture shall be a single-source LED PAR fixture, equipped with a 60W Variable 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. 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.
- 1.4. 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 Variable White LED array.
- 2.2. The fixture shall support white presets with correlated color temperatures (CCT) adjustable from 2,700K to 6,500K, with 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 14° (beam) / 23.2° (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 3,438 lm with narrow lens, 3,117 lm with medium lens, and 3,258 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 2,856 lm at 3,200K and 3,474 lm at 5,600K.
- 4.3. The fixture shall deliver a peak illuminance of 1,579 lx at 5 m (3,200K) and 1,921 lx at 5 m (5,600K).
- 4.4. The source shall provide a CRI of not less than 96,2 at 3,200K and 98 at 5,600K.
- 4.5. The source shall provide a TlCI of not less than 98 at 3,200K and 99 at 5,600K.
- 4.6. TM-30 Rf/Rg values shall be 95.2/103.1 at 3,200K; 93.4/100.5 at 5,600K.

4.7. The system shall provide R9 values of 91,2 at 3,200K and 96,4 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 11 channels (1 / 2 / 4 / 5 / 9 / 11), 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 IPSVW; no alternates or equals.