

Specification

luminaire: PowerEye LED spot IP67

Appearance

1. The luminaire shall be a dimmable LED spot especially designed for outdoor applications.
2. The luminaire shall be natural or black anodized aluminum.
3. The luminaire shall consist of a LED-unit base and a removable bracket.
4. The housing of the Luminaire shall have 2 holes for mounting a bracket with screws.
5. On the M10 screws on the side of the housing of the luminaire a natural or black anodized bracket shall be mountable and can be set and fixed on a certain angle. The bracket shall have 3 mounting holes with max diameter of 10mm and with a spacing of 25mm between the holes.
6. The bracket shall serve to set the orientation of the luminaire in the X and Y direction.
7. The height of the luminaire with bracket shall be max. 176,5 mm.
8. The luminaire shall have a diameter of 146mm.
9. The luminaire shall weigh 2,1kg in total.

General

10. The LED will use 1600mA.
11. The LED shall have a diameter of 23mm.
12. The LED shall be available in following colors:
 - 2200K, CRI80
 - 2700K, CRI80
 - 3000K, CRI80
 - 4000K, CRI80
 - 5000K, CRI80
 - 6500K, CRI70
13. The housing of the luminaire shall be made from solid aluminum so it can serve as cooler.
14. The luminaire shall be used with an additional 1600mA LED driver and power supply.
15. The luminaire shall have a power consumption of 50W.
16. The luminaire has a Robust outdoor cable.
17. The luminaire shall be available with following lenses:
 - Spot: 37° (FWHM)
 - Color: clear
 - Diameter 70mm
 - Height 22.6mm
 - Fastening by screw



- Medium: 51° (FWHM)
 - Color: clear
 - Diameter 70mm
 - Height 22.6mm
 - Fastening by screw
- 18. The luminaire shall be IP67.
- 19. The luminaire shall be mountable on all kind on non combustible materials, taken in consideration that the module can have a Tc of approx. 30 °C higher as ambient temperature and ensuring sufficient ventilation around the led module.
- 20. The luminaire shall be fully compliant with following harmonized standards:

Immunity according to:

- EN 61547:2009 (General EMC immunity requirements lighting eq.)
- EN 61000-4-1:2006 (General immunity testing techniques)
- EN 61000-4-2:2008 (ESD immunity test)
- EN 61000-4-3:2006 + A1:2007 (Radiated immunity test)
- EN 61000-4-4:2004 (Fast transients and burst immunity)
- EN 61000-4-5:2005 (Surge immunity test)
- EN 61000-4-6:2008 (Conducted immunity test)
- EN 61000-4-8:1993 (Magnetic field immunity test)
- EN 61000-4-11:2004 (Voltage variations immunity test)
- EN 61000-6-1:2005 (Generic standards for immunity)

Emission according to:

- EN 61000-3-2:2005+A1:2008+A2:2009 (Harmonics emission test<16A)
 - EN 61000-3-3:2008 (Flicker+ voltage changes limits<16A)
 - EN 55015:2006+A2:2009 (Conducted + radiated emission lighting equipment)
21. The luminaire shall be fully compliant with following harmonized standards:
- EN 60598-1: general requirements of lighting equipment.