

Specification

luminaire: SquareEye RGBW LED spot IP67

Appearance

1. The luminaire shall be an RGBW LED spot especially designed for outdoor applications with a high light output and long lifetime.
2. The luminaire shall be 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 4 holes for mounting a bracket with screws.
5. On the screws on the side of the housing of the luminaire a 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 10,2mm and with a spacing of 70mm 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. 236 mm.
8. The luminaire without bracket shall have a height of 200mm with in front a tempered clear glass of 4mm thick.
9. The luminaire shall weigh 5,75kg in total.

General

10. The LED PCB of the luminaire shall carry 48 x 3W rebel LED's of which 12x Red, 12x Green and 12x Blue, 12x white.
11. The housing of the luminaire shall be made from solid aluminum so it can serve as cooler.
12. The luminaire shall be used with an additional 700mA LED driver and power supply.
13. The luminaire shall have a max power consumption of 144W.
14. The luminaire shall have 4 groups of 12 LEDS in serial connection at 700mA constant current.
15. The luminaire has a Robust outdoor cable.
16. The luminaire shall be available with following lenses:
 - No lenses: 120°
 - 14° lenses
 - 30° lenses
 - 46° lenses
 - Or a mixture of different lenses.
17. The luminaire shall be IP67.



18. The luminaire shall be mountable on all kind on non combustibile materials, taken in consideration that the module can have a Tc of approx. 45 °C higher as ambient temperature and ensuring sufficient ventilation around the led module.
19. 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)

20. The luminaire shall be fully compliant with following harmonized standards:
 - EN 60598-1: general requirements of lighting equipment.