

Specification

luminaire: BigEye RGB LED spot IP67

Appearance

1. The luminaire shall be an RGB LED spot especially designed for outdoor applications with a high light output.
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 2 x M10 holes for mounting a bracket with screws.
5. On the M10 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 11mm and with a spacing of 50mm 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. 294,5 mm.
8. The luminaire shall have a diameter of 223mm with in front a round tempered clear glass of 4mm thick.
9. The luminaire shall weigh 5,9 kg in total.

General

10. The LED PCB of the luminaire shall carry 24 x 3W rebel LED's of which 8x Red, 8x Green and 8x Blue.
11. The housing of the luminaire shall be made from solid aluminum so it can serve as cooling element.
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 50W.
14. The luminaire shall have 3 groups of 8 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°
 - 15° lenses
 - 24° lenses
 - 31° lenses
 - 43°x16°
 - 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. 30 °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.