

Specifications

luminaire : StarEye Mini RGBW with RDM

Appearance

1. The LED luminaire shall be designed for indoor detail lighting.
2. The luminaire shall be made out of black anodized aluminum, which is milled from 1 pieces.
3. The housing of the luminaire shall have a M4 hole with a set screw on the side for mounting a bracket.
4. On the set screw, a bracket for mounting is provided. It can be fixed to determine the orientation of the luminaire in the X and Y direction. The bracket shall have 1 mounting hole with a diameter of 5mm.
5. The cylindrical luminaire shall have a diameter of 40mm.
6. The luminaire shall be DMX controlled and RDM addressable.
7. The Luminaire shall have a weight of approx. 85gr.

General

8. The luminaire shall have a maximum power consumption of 3W.
9. The luminaire shall be powered by a voltage of 24vDC. It shall use a step down-converter, integrated in the housing.
10. The electronics of the led luminaires (stepdown) are mounted in the back of the milled out cylinder. These electronics will be protected with a resin.
11. The luminaire shall be used with a dedicated power supply.
12. The luminaire shall have a cable, with 4 colored wires 4x0,25#

| | | |
|------------------|---------------------|--------|
| Brown conductor | 0,25mm ² | +24VDC |
| Yellow conductor | 0,25mm ² | GROUND |
| Green conductor | 0,25mm ² | DATA + |
| White conductor | 0,25mm ² | DATA - |

14. The LED of the luminaire shall be available in following colors:
- RGB+W (2700K / 3000K/ 4000K/ 5700K/ 6500K)
 - Tunable white (2200K/ 2700K/ 3000K/ 4000K/ 5700K)
15. The luminaire shall be available with following lenses:
- Narrow: 16° (FWHM)
 - Medium: 33° (FWHM)
 - Wide: 55° (FWHM)
 - Elliptical 13° x 33° (FWHM)
16. The housing of the luminaire shall fit an optional snoot to prevent direct exposure to the light source. The length of this snoot can be customized.
17. The luminaire shall be mountable, besides by screw, by magnet. This neodymium magnet shall be rubber coated and shall have a minimal traction of 50N.
18. 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)
19. The luminaire shall be fully compliant with following harmonized standards:
- EN 60598-1: general requirements of lighting equipment.