Specification

luminaire : StarEye Maxi 24vDC IP67

Appearance

1. The LED luminaire shall be designed for indoor and outdoor detail lighting.
2. The luminaire shall be black anodized aluminum.
3. The luminaire shall consist of a LED-unit base which consists of two parts and a removable bracket.
4. The front part of the LED unit base shall be able to be screwed of to change optics. A nitrile 70° compound O-ring shall be provided to seal both parts watertight.
5. The housing of the Luminaire shall have 2 M4 holes for mounting a bracket with screws.
6. 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 1 mounting hole with a diameter of max 6mm.
7. The bracket shall serve to set the orientation of the luminaire in the X and Y direction.
8. The main LED housing is a cylindrical aluminum lathed part of 52mm diameter with length of max 77mm.
9. The height of the luminaire with bracket shall be max. 81,8mm.
10. The luminaire shall have a diameter of 38mm with in front a round tempered clear glass of 4mm thick.
11. The luminaire shall weigh 0,300 kg in total.

General

12. The luminaire shall have a maximum power consumption of 8W.
13. The luminaire shall be powered by a voltage of 24vDC. It shall use a step down-convertor, integrated in the housing.
14. The luminaire shall be used with a dedicated power supply, the luminaire shall be PWM dimmable
15. The luminaire shall have a cable, with 2 colored wires (black and red). The max. wire section shall be 0.25mm². The max cable diameter shall be 4mm.
16. The luminaire is IP67
17. The LED of the luminaire shall be available in following colors:
    - 2700K, efficiency 80lm/W
    - 3000K, efficiency 80lm/W
    - 4000K, efficiency 100lm/W
    - 6200K, efficiency 130lm/W

19. The luminaire shall be available with following lenses:
    - 22°
    - 26°
    - 48°
20. The luminaire shall be provided with a nitrile 70° compound O-ring to combine the luminaire with the use of a selection of accessories to manipulate the light output like louvers, glare-controller, …
21. The housing of the luminaire shall fit an optional snoot to prevent direct exposure to the light source. The length of this snoot shall be customized.
22. The housing of the luminaire shall fit optional barndoors to define the light beam of the LED luminaire. The barndoor consists of 4 aluminum tabs, placed under a chosen angle.
23. 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.
24. The luminaire shall be mountable on all kind on non combustible 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.
25. 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)

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