Specification

luminaire: StarEye 350mA

Appearance

1. The LED luminaire shall be designed for indoor detail lighting.
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 M4 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 1 mounting hole with a diameter of max 5mm.
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. 42,6 mm.
8. The luminaire shall have a diameter of 35mm with in front a round tempered clear glass of 4mm thick.
9. The luminaire shall weigh 0,085 kg in total.

General

10. The luminaire shall have a maximum power consumption of 1,5W.
11. The luminaire shall work on a drive-current max 350mA.
12. Multiple luminaires shall be able to be linked in series.
13. The luminaire shall be used with a dedicated power supply.
14. 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.
15. The LED of the luminaire shall be available in following colors:
    - 2700K, efficiency 80lm/W
    - 3000K, efficiency 80lm/W
    - 4000K, efficiency 100lm/W
    - 6000K, efficiency 130lm/W
16. The luminaire shall be available with following lenses:
    - 10°, hard spot
    - 13°, smooth spot
    - 30°, medium
    - 40°, wide
    - 34° x 15°, asymmetrical
17. 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, …

18. 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.
19. 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.
20. 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.
21. 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.
22. 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)

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