

Specification

luminaire: StarPoint 8°

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 in milled out aluminum, a snoot and a removable bracket.
4. The housing of the Luminaire shall have 2 holes to fix set screws to mount a bracket.
5. On the screws on the side of the housing of the luminaire one can mount a black anodized bracket which can be fixed on a certain angle. The bracket shall have 1 mounting hole with a diameter of max 6,2mm.
6. The bracket shall serve to set the orientation of the luminaire in the X and Y direction.
7. The main LED housing is a cylindrical aluminum lathed part of 63mm diameter with length of max 145mm.
8. The height of the luminaire with bracket shall be max. 100mm.
9. The luminaire shall have a diameter of 38mm with in front a round tempered clear glass of 4mm thick.
10. The luminaire shall weigh 0,300 kg in total.

General

11. The luminaire shall have a maximum power consumption of 10W.
12. The luminaire shall be powered by a voltage of 24V DC.
13. The luminaire shall have a minimum IP rating IP 66
14. The luminaire shall be used with a dedicated power supply.
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 LED of the luminaire shall be available in following colors:
 - 2700K, CRI 80
 - 4000K, CRI 80
 - Other light colors and CRI values can be ordered but note a longer delivery time.
17. The luminaire shall be available with following lenses:
 - 8°
18. 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.



19. 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.
20. 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)

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