

Specification

luminaire: StarGuide Mini

Appearance

1. The LED luminaire shall be designed for outdoor lighting. It shall be especially designed to integrate in a tube profile with diameter of 33,7mm or shall have the possibility to be tailor made for other tube dimensions.
2. The housing of the luminaire shall be neutral anodized aluminum, milled out of one piece.
3. The luminaire shall have 2 M4 setscrews for mounting.
4. The housing of the luminaire and the position of the screws shall be designed to fit the curve of the tube.
5. The luminaire shall have a round glass with a maximum diameter of 16mm.
6. The screw-thread of both screws shall channel trough the housing. The setscrews shall have a maximum distance of 5mm from the border of the aluminum housing. The setscrews shall be made of RVS.
7. The luminaire shall have dimension of 47 x 18 x 20mm.

General

8. The luminaire shall weigh 0,032 kg in total.
9. The luminaire shall have a maximum power consumption of 1,2W.
10. The luminaire shall work on a drive-current max 350mA.
11. The electronic part (antifuse) of the LED luminaire shall be installed in a milled-out part in the back of the aluminum housing. The electronica is sealed watertight with a resin.
12. This resin shall be epoxy based and heat conductive
13. This antifuse shall ensure in case of failure of one module in a series string, all other module to remain fully functional.
14. The optics of the luminaire shall be protected by semi-tempered clear glass, sealed watertight to the aluminum housing.
15. Maximum pitch between LED modules shall be 100cm.
16. The luminaire shall be used with a current controlled power supply.
17. The luminaire shall be able to connect in series up to 100 modules depending on the chosen power supply.
18. The luminaire shall have a cable, with 2 colored wires (black and red). The max. wire section shall be 0.75mm².
19. The LED of the luminaire shall be available in following colors:
 - 2700K
 - 3000K
 - 4000K
 - 6500K
20. The luminaire shall have an lens, available in following opening beams: 15°, 24°, 31° or oval 43°x16°.



21. 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)

22. The luminaire shall be fully compliant with following harmonized standards EN 60598:

- Power supply-cord type Z, no removal, without permanent damage of the unit.
- IP67 for the StarGuide Mini led-unit
- IK06 for the StarGuide Mini led-unit