

Specifications

Luminaire: StarPole

1. The LED luminaire shall be designed for indoor lighting.
2. The luminaire shall be black anodized aluminum.
3. The luminaire shall consist of a base plate, a pole and a top part with LED-units.
4. The top part of the luminaire shall have 6 LED-units with exchangeable LED colors and optics. All 6 LED-units have a small bracket to focus separately.
5. The LED-units shall have an optional snoot to prevent direct exposure to the light source.
6. On the base plate, an aluminum block shall be mounted with bolts, on the provided wholes. The position of the base block shall determine the position of the pole.
7. The base plate shall have a dimension of 340 x 400 x 10mm.
8. The pole shall be mounted with bolts on the base block.
9. The pole shall have a height of 250cm or 340cm.
10. The pole shall have a section of 20 x 40mm.
11. The pole shall be hollow to house the cabling and shall be provide of cable entries on top and at the bottom.
12. The luminaire shall have a black 4x#0,5mm cable that connects the LED-units with its control gear.
13. This cable shall have a XLR5p connection on top and a Wago 5p connection on the bottom.
14. The top part with LED-units shall fit in to the pole and shall be secured with bolts.
15. The top part shall have a dimension of 218 x 77 x 265mm.
16. The top part shall be provided with an XLR5p connector.
17. The LED-units of the top part shall be detachable for maintenance and adjustments.
18. Each LED-unit shall have a Higo connector.
19. The luminaire shall have a max. power consumption of 60W (6x10W)
20. The luminaire shall be power by a voltage of 24vDC, the LED-units shall use a step-down converter, integrated in their housing.
21. The luminaire shall be available in following colors:
 - 2700K, warm white, CRI80
 - 3000K, warm white, CRI80
 - 3500K, warm white, CRI80
 - 4000K, neutral white, CRI80
 - 5700K, cold white, CRI80

22. The luminaire shall be available with all the same or a combination of following lenses:
- | | | |
|------------|-----|--------|
| Spot | 22° | (FWHM) |
| Medium | 26° | (FWHM) |
| Wide | 48° | (FWHM) |
| Ultra wide | 60° | (FWHM) |
23. The luminaire shall weigh 15,4kg in total (if the pole has a height of 340cm)
24. The luminaire shall have a max. dimension of 640 (W) x 400 (L) x 3675mm (H).
25. The luminaire shall be used with a dedicated power supply and LED driver.
26. 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)

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