

# Specification

---

*luminaire* : StarEye Maxi RGBW with RDM

## *Appearance*

1. The LED luminaire shall be designed for outdoor detail lighting, but is suitable for indoor use as well.
2. The luminaire shall be black anodized aluminum.
3. The luminaire shall be a LED-unit base with pin cooler and removable bracket.
4. The front part of the LED unit base shall be able to be screwed off 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 with a width of 70mm 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. 6,2mm.
7. The bracket shall serve to set the orientation of the luminaire in the X and Y direction.
8. The height of the luminaire with bracket shall be 100mm.
9. The luminaire shall have a diameter of 63mm with in front a round tempered clear glass of 4mm thick.
10. The luminaire shall weigh approximately 0,450kg in total.
11. The LED-unit shall be DMX controlled with RDM.

## *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-converter, integrated in the housing.
14. The luminaire shall be used with a dedicated power supply.
15. The luminaire shall have a cable, with 4 colored wires 4x0,25#

Brown conductor	0,25mm <sup>2</sup>	+24VDC
Yellow conductor	0,25mm <sup>2</sup>	GROUND
Green conductor	0,25mm <sup>2</sup>	DATA +
White conductor	0,25mm <sup>2</sup>	DATA -



17. The LED of the luminaire shall be available in following colors:
  - RGB+W (2700K)
  - RGB+W (3000K)
  - RGB+W (4000K)
  - RGB+W (6500K)
18. The luminaire shall be available with following lenses:
  - Narrow: 8,6° (FWHM)
  - Medium: 22,5° (FWHM)
  - Wide: 31,7° (FWHM)
19. 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.
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. 45 °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.