

# Specification

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*luminaire:* LED Candle standard

## *Appearance*

1. The luminaire shall be a wax candle with integrated LED module.
2. The luminaire shall have 2 LED color temperatures and a preprogrammed candle algorithm to make it look like a real candle.
3. The luminaire shall be available in following dimensions:
  - Diameter 50, height 150mm
  - Diameter 70, height 250mm
  - Diameter 30, height 300mm
  - Diameter 60, height 200mm
4. The LED luminaire shall be designed for indoor ambience lighting.

## *General*

5. The luminaire shall have a maximum power consumption of 0,5W.
6. The luminaire shall be powered by a voltage of 5vDC.
7. The luminaire is used with a 5V network adaptor.
8. The luminaire shall be mountable on all kind of non combustible materials.
9. The luminaire shall be able to be used in all directions.
10. 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)
11. The luminaire shall be fully compliant with following harmonized standards:
  - EN 60598-1: general requirements of lighting equipment.

