

## Description

Recessed mounted aluminium LED armature consisting of an orientable dome-shaped lamp unit, fitted in a trimmed aluminium shell (for single or double lampunit). The dome-shaped lamp unit can rotate 360° and can be tilted 45° versus the vertical axis. The ø10 LED COB is inserted 52mm deep in the reflector, for optimal lighting comfort. The luminaire doesn't include a LED driver.

## Materials

- Aluminium dome-shaped lamp units finished with a scratch resistant fine textured powder coating in matt white, matt black or donkey grey
- Aluminium single or double-lamps shell finished with a scratch resistant fine textured powder coating in matt white, matt black or donkey grey
- LED holder plate: black anodised aluminium
- Reflector: high-gloss aluminium and anodized gold or champagne; available separately
- Stainless steel torsion springs

## Technical characteristics

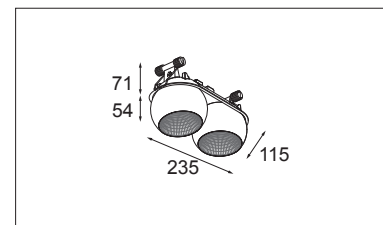
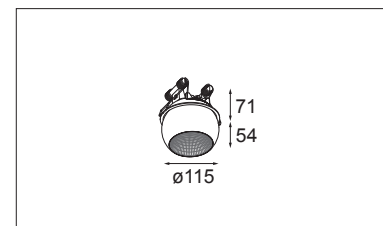
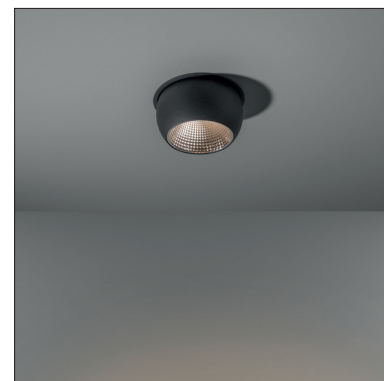
- Dimensions version with single lampunit: ø109mm, H 88mm
- Dimensions version with double lampunit: ø109mm, H 88mm
- Reflectors:
  - superspot (10° alu-champagne-gold)
  - medium (25° alu-champagne-gold)
  - flood (40° alu-champagne-gold)
- Reflectors - warm dim:
  - medium (25° alu)
  - flood (40° alu-champagne-gold)
- COB high-power LED
- Colour temperature: 2700K or 3000K (3500K and 4000K available on request), also available with warm dim technology
- CRI 90+
- 3SDCM
- Luminaire output: 748 lm per lampunit (for 3000K, medium)
- Luminaire efficiency: 95%
- Power consumption: 9.3 W per LED unit
- UGR < 19
- Class 3 (driver excluded)
- Only for indoor use
- Controlled with electronic LED drivers: choose from driver matrix
- Warranty period: 5 years on LED lamps, 2 years on drivers

## Installation

- Recessed in ceiling  
(1L: ø108mm, H: 100mm – 2L: 2x ø108, intermediate distance 120mm, H: 100mm)
- Installation by torsion springs suitable for ceiling thicknesses from 1 to 50mm
- Electrical connection: connection to LED driver via two splicing connectors (included with product)

## Accessories

- Reflectors available depending the LED source:
  - **for 2700K and 3000K LED:**  
Magnetic reflectors in high-gloss aluminium, gold and champagne anodized aluminium available in following beam angles:
    - superspot (10°)
    - medium (25°)
    - flood (40°)
  - **for warmdim LED:**  
Magnetic reflectors in high-gloss aluminium available in following beam angles:
    - medium (25°)
    - flood (40°)
 Magnetic reflectors in gold and champagne anodized aluminium only available in flood (40°) beam angle
- Conbox + gypkit for plastered concrete ceilings



#### Standards and directives:

- 2006/95/EC - Low Voltage Directive
- 2004/108/EC - EMC Directive
- 2011/65/EU - RoHS Directive
- 2009/125/EC - ECODESIGN Directive
- 245/2009/EC + 347/2010/EU - ECODESIGN Directive
- 1194/2012/EU - ECODESIGN Regulation
- EN 60598-1:2008 +A11:2009 - Luminaires. General requirements and tests
- EN 62471:2008 - Photobiological safety of LED lamps and lamp systems
- EN 62493: 2010 - Assessment of lighting equipment related to human exposure to electromagnetic fields
- EN 60598-2-2:2012 - Recessed luminaires
- EN 55015:2006 +A1:2007 +A2:2009 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- EN 61000-3-2:2006 +A1,A2:2009 - Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase)
- EN 61000-3-3:2013 - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection
- EN 61547:2009 - EMC Immunity Requirements
- EN 50581:2012 - Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances