

## Description

Cylindrical wall mounted tube, used to incorporate LED recessed spotlights (COB LED or retrofit LED GU10 bulb) with an outer diameter of 82mm. The tube consists of two main components: the housing itself and a wall bracket. The LED spotlights are installed in the tube by means of leaf springs. Connection to the mains (or driver) is done in the backside compartment close to the wall. No visible screws or wires after installation.

The tube is available in 3 sizes: small, large and extra-large, all varying in length. The small version (86mm) is suitable for retrofit LED GU10 spotlight or COB LED spotlight (with driver on distance).

The large version (130mm) is available in 2 versions: without driver and thus suitable for retrofit LED GU10 spotlight and COB LED spotlight. And a version with a non-dimmable constant current LED driver integrated, suitable for COB LED spotlight.

The extra-large version (190mm) is available in 5 versions:

- suitable for 1 retrofit LED GU10 spotlight or COB LED spotlight (with driver on distance)
- suitable for 2 retrofit LED GU10 spotlights or COB LED spotlights (with driver on distance), up- and downlight
- suitable for 1 COB LED spotlight with integrated mains dimmable (trailing edge) driver
- suitable for 1 COB LED spotlight with integrated 1-10V/pushdim dimmable driver
- suitable for 1 COB LED spotlight with integrated DALI dimmable driver

## Materials

- Aluminium housing finished with a scratch resistant fine textured powder coating in white or matt black
- Galvanised steelplate wall bracket

## Technical characteristics

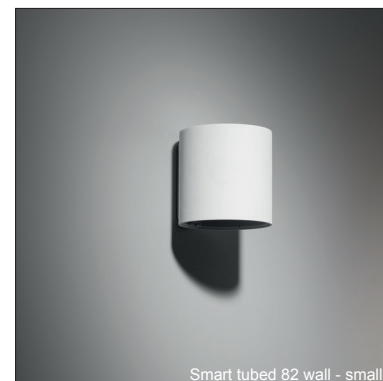
- Dimensions:
  - Small:  $\varnothing 86$ mm, H: 86mm
  - Large:  $\varnothing 86$ mm, H: 130mm
  - X-Large:  $\varnothing 86$ mm, H: 190mm
- Only for indoor use (IP20)

## Installation

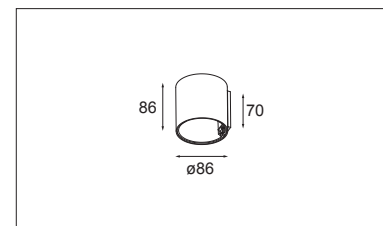
- Wall bracket mounted with two universal chipboard screws of max.  $\varnothing 5$  mm (not included). The tube is kept on the base by means of one set screw which is invisible after installation.
- Connection to the mains (or driver) by means of 3 splicing connectors ( $0.4-2.5\text{mm}^2$ ) for the driver included version. Connection to the LED driver by means of 2 included splicing connectors ( $0.4-2.5\text{mm}^2$ ) for the driver excluded version.

## Standards and directives:

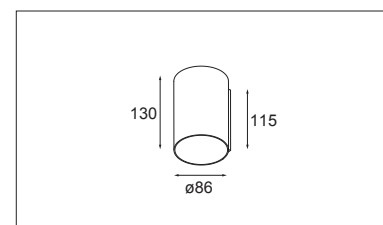
- 2006/95/EC - Low Voltage Directive
- 2004/108/EC - EMC Directive
- 2011/65/EU - RoHS Directive
- 2009/125/EC - ECODESIGN Directive
- 245/2009/EC + 347/2010/EU - ECODESIGN Directive
- 1194/2012/EU - ECODESIGN Regulation
- EN 60598-1:2008 +A11:2009 - Luminaires. General requirements and tests
- EN 62471:2008 - Photobiological safety of LED lamps and lamp systems
- EN 62493: 2010 - Assessment of lighting equipment related to human exposure to electromagnetic fields
- EN 60598-2-1 - Fixed general purpose 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



Smart tubed 82 wall - small



Smart tubed 82 wall - large



Smart tubed 82 wall - X-large

