

Description

Miniaturized, configurable, fix rectangular recessed downlight with medium power LED technology. The luminaire consists of 2 main components: the outer body and the LED heatsink. Available in two dimensions: length 89mm (2-unit equivalent) and length 178mm (4-unit equivalent). Can be combined with 3 types of frames: 2, 3 or 4 units. The downlight is suitable for damp indoor areas, protection class IP55.

Materials

- Aluminium body finished in fine-textured scratch-resistant powder coating in matt white or matt black or in spraypaint gold
- Aluminium heatsink, black anodised
- Polycarbonate reflective part
- PMMA diffuse protection front
- EPDM gaskets
- Aluminium frame finished in fine-textured scratch-resistant powder coating in matt white or matt black or in spraypaint gold
- Stainless steel leaf springs
- Glassfiber reinforced PBT snap in frame for retaining the aluminium body

Technical characteristics

- Dimensions:
2-unit luminaire: 89x44 mm (LxW) x 55 mm (H)
4-unit luminaire: 178x44 mm (LxW) x 55 mm (H)
- Medium power SMD LED technology
- Colour temperature: 2700K or 3000K.
- CRI 90+
- 3 SDCM
- Luminaire output:
2 unit version: 560lm, 93lm/W (for 3000 K medium, @500mA)
4 unit version: 1247lm, 104lm/W (for 3000 K medium, @500mA)
- Luminaire efficiency:
2 unit version: 68%
4 unit version: 76%
- Power consumption:
2 unit version: 6W (@500mA, driver excluded)
4 unit version: 12W (@500mA, driver excluded)
- UGR:
2 unit version: 31 (@500mA)
4 unit version: 34 (@500mA)
- For connection to an electronic constant current LED driver: choose from driver matrix
- Warranty period: 5 years on LED lamps, 2 years on drivers
- Lifetime: L80B20 @ 50.000 hours
- Class 3
- Protection class: IP55

Installation

LED units always to be installed with trimless or non trimless frame. The non trimless frames are installed in the recess hole by means of 2 leaf springs. After installation of the frames, the LED units are simply pushed in the frames by a simple click, no tools required.

Recessed mounting in ceiling. Unit(s) must not be covered with insulation.

Electrical connection: connection to LED driver via 2 leads (red and black, 250mm each) and two splicing connectors (included with product)

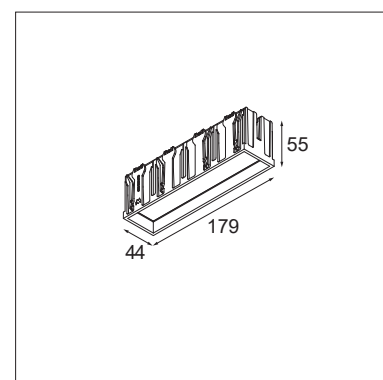
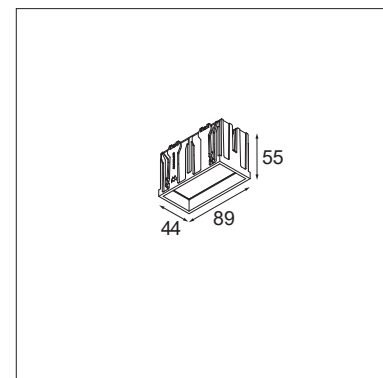
Recess dimensions:

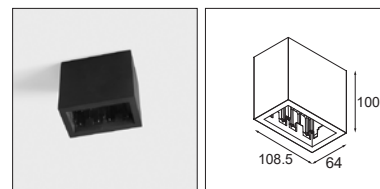
2L: 101x56 mm (LxB), H 75 mm

4L: 190x56 mm (LxB), H 75 mm

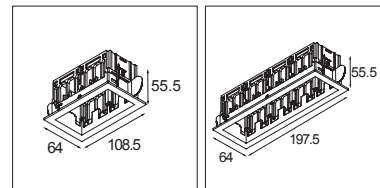
Accessories

- Installation accessories:
 - Conbox and gypkit for installation in concrete and plastered ceilings
 - Surface housing (LED driver excluded) and only suitable for 2-unit luminaire
- Other accessories:
 - Blind cover for keeping space for a lighting unit or simply for aesthetical reasons



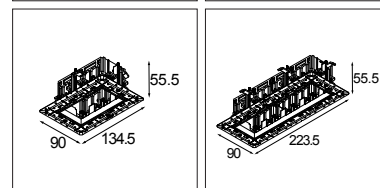
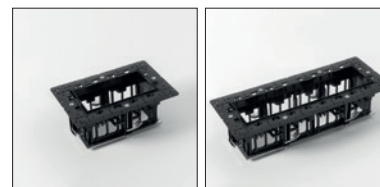


Qbini rsurface box 2x



Qbini frame 2x

Qbini frame 4x



Qbini trimless frame 2x

Qbini trimless frame 4x

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 ≤ 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 ≤ 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