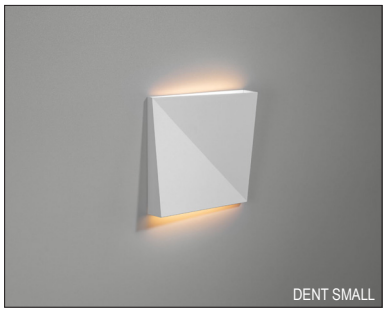
DENT

MODULAR LIGHTING — INSTRUMENTS

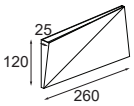
Description

SMALL version
Ultra-thin (25mm) square luminaire for wall mounting. Intended for up and downlighting application.
The luminaire housing contains 2 printed circuit boards soldered with 16 medium power LED's each.
The LED's are covered with a PMMA diffusor to protect the LED's and to obtain optimum diffuse light effect.
The fixture is mounted on an aluminium wall bracket and held in place with two magnets. The outer housing contains two small set screws to, if desired, secure the housing on the wall bracket, and thus preventing unauthorized opening of the luminaire.
The wall bracket contains all (slot) holes to be mounted on most standard single unit electrical connection boxes (plastic or metal). The electrical connection box could contain the LED driver this way and is fully covered by the luminaire.
The luminaire is to be connected to an external constant current LED driver (350mA).
Class 3 luminaire, suitable for indoor use, IP20 protection class.


DENT SMALL

MEDIUM version
Ultra-thin (25mm) rectangular luminaire for wall mounting. Intended for up and downlighting application.
The luminaire housing contains 2 printed circuit boards soldered with 36 medium power LED's each.
The LED's are covered with a PMMA diffusor to protect the LED's and to obtain optimum diffuse light effect.
The fixture is mounted on an aluminium wall bracket and held in place with four magnets. The outer housing contains two small set screws to, if desired, secure the housing on the wall bracket, and thus preventing unauthorized opening of the luminaire.
The wall bracket contains all (slot) holes to be mounted on most standard double unit electrical connection boxes (plastic or metal). The electrical connection box could contain the LED driver this way and is fully covered by the luminaire.
The luminaire is to be connected to an external constant current LED driver (350mA).
Class 3 luminaire, suitable for indoor use, IP20 protection class.

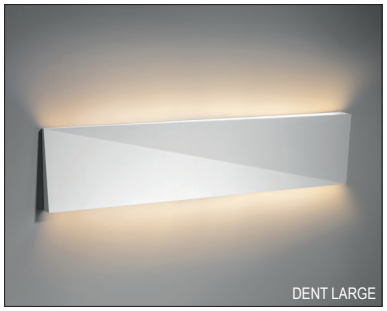

DENT MEDIUM



LARGE version
Ultra-thin (25mm) rectangular luminaire for wall mounting. Intended for up and downlighting application.
The luminaire housing contains 4 printed circuit boards soldered with 36 medium power LED's each.
The LED's are covered with a PMMA diffusor to protect the LED's and to obtain optimum diffuse light effect.
The fixture is mounted on an aluminium wall bracket and held in place with four magnets. The outer housing contains two small set screws to, if desired, secure the housing on the wall bracket, and thus preventing unauthorized opening of the luminaire.
The wall bracket contains all (slot) holes to be mounted on most standard single or double unit electrical connection boxes (plastic or metal). The electrical connection box could contain the LED driver this way and is fully covered by the luminaire.
The luminaire is to be connected to an external constant current LED driver (350mA).
Class 3 luminaire, suitable for indoor use, IP20 protection class.

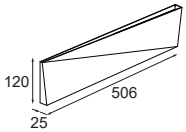
Materials

- Outer shell and wallbase: aluminium finished with scratch resistant fine-textured powder coating in matt black or matt white
- Diffusor: PMMA


DENT LARGE

Technical characteristics

- Dimensions:
  - Small version: 120 mm (L) x 120mm (H) x 25mm (W)
  - Medium version: 260mm (L) x 120mm (H) x 25mm (W)
  - Large version: 506mm (L) x 120mm (H) x 25mm (W)
- LED printed circuit board (16 or 36 medium power SMD LED)
- Colour temperature: 2700K or 3000K
- CRI90+
- 3SDCM
- Luminaire output: 208lm (small version), 748lm (medium version) and 833lm (large version) (for 3000K, white structure paint)
- Luminaire efficiency: 32% (small version), 27% (small version), 30% (large version)
- Power consumption: 7.8W (small version), 17.6W (medium and large version); LED driver excluded
- For connection to an electronic constant current LED driver: choose from driver matrix
- Warranty period: 5 years on LED, 2 years on drivers
- Lifetime: L80B20 @50.000 hours
- Class 3
- Protection class: IP20



Installation

- Wallbase mounted with four universal chipboard screws of max. ø4mm (not included). Hole in wallbase (ø40mm) for connection to the LED driver. The luminaire can be easily clicked on the wallbase and is held in place by means of magnets. Extra lock by means of two set screws (included) is possible.
- For mounting on standard electrical built-in wall boxes. When directly mounted on the wall, connection space behind the luminaire is required (approx. ø60mm, 50mm deep).
- Electrical connection to LED driver by means of two leads (red and black, 200mm each), and two 2-pole splicing connectors for wire sections from 0.2 to 4mm² (included)

Accessories

- none

Standards and directives:

- 2006/95/EC - Low Voltage Directive
- 2004/108/EC - EMC Directive
- 2011/65/EU - RoHS Directive
- 2009/125/EC - ECO design Directive
- 245/2009/EC + 347/2010/EU - ECO design 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 ≤ 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