



CommONEnergy

Bartenbach®



ARTIFICIAL LIGHTING

LED RETAIL WALL-WASHER



Many shops (especially smaller and medium-sized ones) have a large segment of walls used to present, promote and highlight merchandise.

The LED Retail Wallwasher can illuminate these areas in a very high qualitative, homogenous and attractive way as well as energy-efficiently.

Furthermore, and quite uniquely, it illuminates not only the walls with merchandise but also the area in front of them where customers are usually examining / inspecting the goods more closely. The luminaire can thus provide a wallwasher and a downlight functionality.



TECHNOLOGY



USE

The luminaire can be applied in all situations where a wall and the merchandise (or other things presented on the wall or next to it) need a high-quality illumination. The wallwasher is equipped with an adapter for easy installation to a power track system (other mounting options on request).

The main targets are both existing or new shops aiming for a high-quality illumination and presentation of their goods.



FEATURES

The luminaire features 6 novel multi-faceted, highly-efficient reflectors. The wallwasher employs efficient LEDs with a high lumen class of 4000 lm (luminaire), a high colour rendering index of CRI > 90 and variable colour temperature from 2700 K to 5000 K. The latter allows to change the colour temperature, creating different settings or moods depending on individual needs and environments (morning / day time / evening).

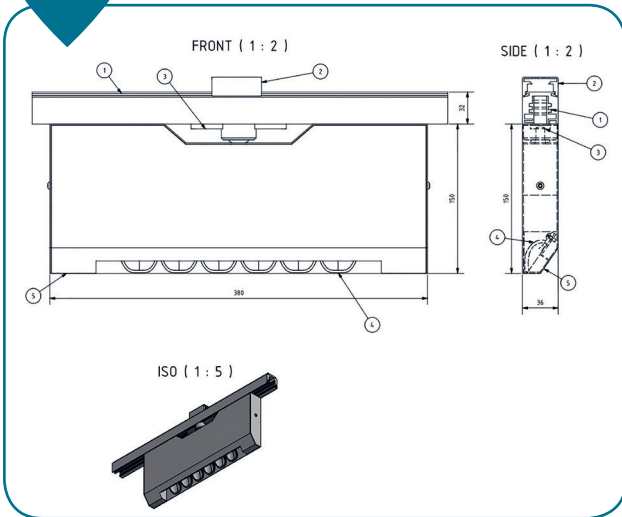
All components, including the driver, are encased in one housing with the power track adapter on top of it providing a light and neat design integration.

The novel reflectors used are bringing a defined and very homogenous illumination with high efficiency.

All setting options open new possibilities of further important reductions in energy consumption (e.g. avoiding an unnecessary high amount of light especially in daylit areas).



HOW IT WORKS



BENEFITS

- Low energy consumption directly (efficient LED technology and optical components) and indirectly (reduced excess heat and therefore required cooling loads of the building)
- Attractive and high-quality presentation of the merchandise thanks to a homogenous illumination
- Combines wallwasher (illumination of merchandise on shelves) and downlight (illumination of goods in front of the wall / in the customers' hands) functionality
- Improvement of comfort and presentation by adapting colour temperature / milieu to outdoor conditions or merchandise / desired appearance
- Simple installation both for new and existing buildings, easy installation to power track
- Low maintenance effort / cost, no change of lamps necessary
- Low payback time of 3-4 years



COMPATIBILITY WITH OTHER TECHNOLOGIES

This artificial lighting system is compatible with the standard DALI protocol.



CONTACT DETAILS

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CASE STUDIES

The wallwasher was implemented in the CommONEnergy demo case of City Syd (Trondheim, Norway) in a small shop.



The project CommONEnergy (2013-2017) focuses on transforming shopping centres into energy efficient buildings, by developing smart renovation strategies and solutions to support their implementation as well as assess their environmental and social impact.

- 3 demo cases, 8 reference buildings & 23 partners from across Europe
- 25 technologies developed and installed in 4 years
- Up to 75% reduction of energy demand, leading to costs reduction
- A payback time of maximum 7 years



CommONEnergy



The CommONEnergy project has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n. 608678