# QUEST LED EVO L HBZ 47800LM DALI I CL. IP67 740 120D 297W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 828737 |
| **Ingress protection:** | IP67 |
| **Rated power of the luminaire [W]*:** | 297 |
| **Luminous flux [lm]*:** | 47800 |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 70 |
| **SDCM:** | 3 |
| **Electrical protection class:** | I |
| **Energy efficiency class:** | B |
| **Material of the body:** | aluminium |

## CHARACTERISTICS

Quest LED EVO L, their high-bay versions: surface-mounted Quest LED EVO L HB NT and suspended Quest LED EVO L HB Z are extremely efficient floodlights and premium HB class luminaires, manufactured in Poland. Their body is made of die-cast aluminium, powder coated, without an external heat sink and ribs that make it difficult to keep clean. The diffuser is made of tempered glass, under which there are LEDs with the highest efficiency. Different types of optics, especially asymmetrical ones, provide great freedom in choosing the right solution for a specific application. Thanks to the highest tightness rating on the market (IP67) and maximum impact resistance (IK10), the floodlights will perform well in all conditions, regardless of the weather and installation location. The new version of the renowned and proven QUEST model offers even better lighting parameters, achieving an efficiency of over 170 lm/W. Quest LED EVO L meets the requirements of PN-EN 60598-2 part 5, which allows it to be classified as an illumination projector, enabling complete freedom of installation in any position, with 360° rotation and resistance to strong winds. An additional advantage for contractors is the sealed quick connector – an innovative solution that eliminates traditional, time-consuming connection methods. Thanks to an intuitive system of coloured latches, connector installation is simple, quick and tool-free. The HB NT version is designed for surface mounting as a highbay using dedicated brackets. The HB Z version is designed for suspension. The accessory kit includes brackets for pole mounting, a frame for flush mounting (e.g. shelters), light pollution reduction screens and protective grids in two colours with different degrees of light reduction (white RAL7016: 4%, body colour RAL7016: 8%). The models can be equipped with an external motion and twilight sensor. They are also available in the ENDURA version, resistant to elevated ambient temperatures up to 50°C. The range also includes dual-module versions with increased flux and power. DALI versions are available (in the case of a gap in a specific power rating in the range with a DALI power supply, check the ENDURA DALI versions).

## APPLICATION

Quest LED EVO L is widely used in lighting educational, administrative and institutional facilities, halls, garages, passageways, warehouses, shops, as well as in the food industry and commercial and service facilities related to food products. They are an ideal solution for small sports fields, open spaces and car parks. They can be mounted as floodlights on poles and masts, on building facades, as well as surface-mounted highbays (HB NT version) and suspended highbays (HB Z version). Thanks to the flush-mounted option, they are perfect for shelters. Quest LED EVO L is an excellent choice for production plants and halls as well as large-area warehouses.

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## TECHNICAL PARAMETERS TABLE

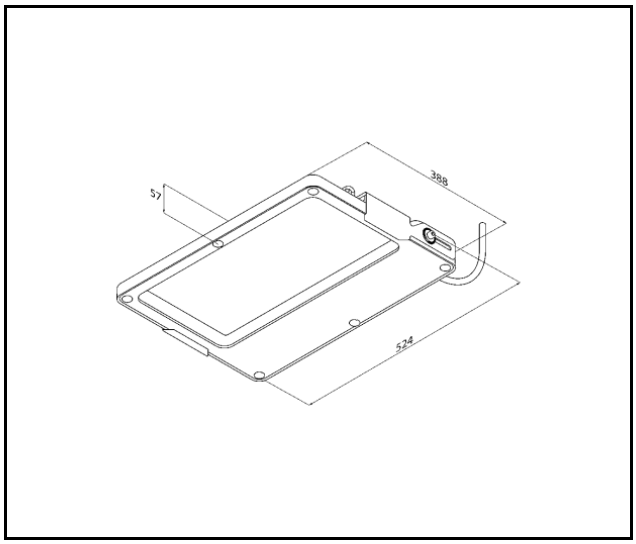
| | |
|---|---|
| **Index:** | 828737 |
| **EAN:** | 5905963828737 |
| **Rated power of the luminaire [W]:** | 297 |
| **Luminous flux [lm]:** | 47800 |
| **Supply voltage [V]:** | 220 - 240 |
| **Surge protection [kV]:** | 6 |
| **AC voltage range [V]:** | 198-264 |
| **DC voltage range [V]:** | 176-280 |
| **Frequency [Hz]:** | 0/50/60 |
| **Luminous efficacy [lm/W]:** | 161 |
| **Energy efficiency class:** | B |
| **Electrical protection class:** | I |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 70 |
| **SDCM:** | 3 |
| **Beam angle [°]:** | 120 |
| **Diffuser material:** | glass |
| **Diffuser type:** | transparent |
| **Material of the body:** | aluminium |
| **Colour of the body:** | RAL7016 |
| **Dimensions (H/W/T/S) [mm]:** | 490/527/57 |

| | |
|---|---|
| **Mounting dimensions [mm]:** | 371/220-270 |
| **Ingress protection:** | IP67 |
| **Mounting version:** | suspended |
| **Working temperature [°C]:** | from -20 to +35 |
| **DIMM DALI:** | yes |
| **The number of implement units:** | 2 |
| **Dimensions of single box [mm]:** | 550 |
| **Number on the palette [pcs]:** | 24 |
| **Version:** | L HB Z |
| **Light distribution type:** | general |
| **Impact resistance:** | IK10 |
| **LED lifespan L70B50 [h]:** | 158000 |
| **LED lifespan L80B10 [h]:** | 100000 |
| **LED lifespan L90B10 [h]:** | 45000 |
| **Warranty [years]:** | 5 |
| **CE certificate:** | 80/2025 |
| **Environmental Product Declaration (EPD):** | 816/2025 |
| **Manual:** | Download PDF |
| **ISO Certificates:** | 9001:2015, 14001:2015, 45001:2018, 50001:2018 |
| **Plik LDT:** | Download |

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**TECHNICAL PICTURES**

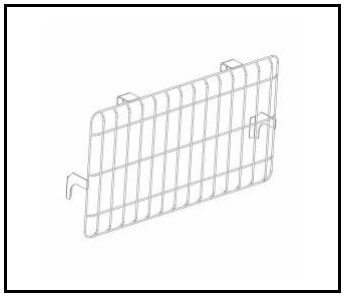


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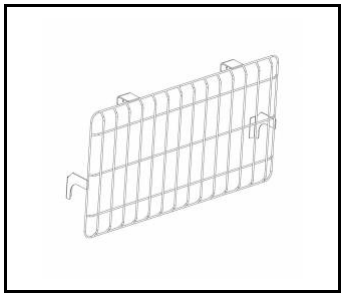
DETAILED CARD

## ACCESSORIES AVAILABLE

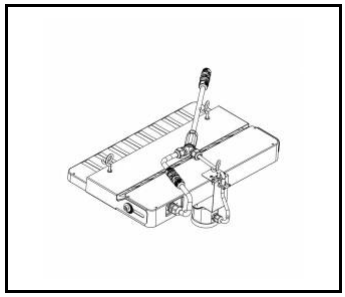
| index | Name |
|---|---|
| 840449 | QUEST LED EVO L protective grid RAL7016 |
| 840081 | QUEST LED EVO L protective grid RAL9003 |
| 840388 | QUEST LED EVO S/M/L RCR set 1x |
| 840371 | QUEST LED EVO S/M/L RCR set 2x |



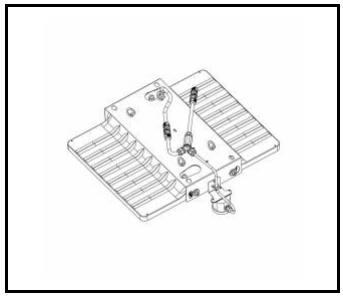
QUEST LED EVO L protective grid RAL7016 (840449)



QUEST LED EVO L protective grid RAL9003 (840081)



QUEST LED EVO S/M/L RCR set 1x (840388)



QUEST LED EVO S/M/L RCR set 2x (840371)



The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. * Parameter tolerance is +/- 10%

This product is a subject to electric andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 80/2025

LENA LIGHTING

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