

QUEST LED EVO M HB NT 16100LM DALI I CL. IP67 740 SW(75D) 93W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	845017
Ingress protection:	IP67
Rated power of the luminaire [W]*:	93
Luminous flux [lm]*:	16100
Colour temperature [K]:	4000
Colour rendering index:	70
SDCM:	≤ 3
Electrical protection class:	I
Energy efficiency class:	B
Material of the body:	aluminium

CHARACTERISTICS

Quest LED EVO M, their high-bay versions: surface-mounted Quest LED EVO M HB NT and suspended Quest LED EVO M 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 M 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). In addition, a version designed for RGB+W illumination is available.

APPLICATION

Quest LED EVO M is widely used in lighting educational, administrative and recreational 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 illuminating buildings, 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 M is an excellent choice for factories, production halls and large warehouses.

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TECHNICAL PARAMETERS TABLE

Index:	845017	Colour of the body:	RAL7016
EAN:	5905963845017	Dimensions (H/W/T/S) [mm]:	424/635/152
Light source:	LED	Mounting dimensions [mm]:	590/45
Rated power of the luminaire [W]:	93	Ingress protection:	IP67
Luminous flux [lm]:	16100	Mounting version:	surface
Supply voltage [V]:	220 - 240	Working temperature [°C]:	from -20 to +35
AC voltage range [V]:	198-264	DIMM DALI:	yes
DC voltage range [V]:	176-280	Dimensions of single box [mm]:	550
Frequency [Hz]:	50-60	Number on the palette [pcs]:	48
Luminous efficacy [lm/W]:	173	Light distribution type:	SW
Energy efficiency class:	B	Version:	M HB NT
Electrical protection class:	I	Impact resistance:	IK10
Colour temperature [K]:	4000	LED lifespan L70B50 [h]:	162000
Colour rendering index:	70	LED lifespan L80B20 [h]:	101000
SDCM:	≤ 3	LED lifespan L90B10 [h]:	47000
Beam angle [°]:	75	Warranty [years]:	5
Diffuser material:	glass	CE certificate:	79/2025
Diffuser type:	transparent	Environmental Product Declaration (EPD):	816/2025
Material of the body:	aluminium	Manual:	Download PDF

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ACCESSORIES AVAILABLE

index	Name
840432	QUEST LED EVO M protective grid RAL7016
840074	QUEST LED EVO M protective grid RAL9003
840388	QUEST LED EVO M/L RCR set 1x
840371	QUEST LED EVO M/L RCR set 2x