QUEST LED EVO S 16450LM DALI I CL. IP67 740 20D 104W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	102981
Ingress protection:	IP67
Impact resistance:	IK10
Rated power of the luminaire [W]*:	104
Luminous flux [lm]*:	16450
Colour temperature [K]:	4000
Color rendering index (Ra) >:	70
Electrical protection class:	I
Energy efficiency class:	B
Material of the body:	aluminium

CHARACTERISTICS

The Quest LED Evo S is a member of a well-established family of high-bay luminaires, positioned in terms of size between the XS and M versions. It responds to market needs by filling a gap in the extremely popular segment of high-bay luminaires with a power rating of around 100 W. Together with the dedicated industrial High-Bay variants – the surface-mounted Quest LED Evo S HB NT and the recessed Quest LED Evo S HB Z – it forms a versatile range of premium-class luminaires, manufactured in Poland. The die-cast aluminium body is powder-coated. The design, which lacks external heat sink fins, prevents the build-up of dirt and makes maintenance much easier. The luminaire is designed for use in the most demanding environments (marine corrosion class C5-M as standard). It features the highest IP67 protection rating and the highest impact resistance rating of IK10. High-efficiency LEDs covered by tempered glass ensure a luminous efficacy exceeding 170 lm/W. A wide range of optical systems (including asymmetrical optics) guarantees a perfect match for the light distribution. Compliance with the PN-EN 60598-2 Part 5 standard classifies the luminaire as an architectural spotlight, allowing installation in any position, full 360° rotation and high resistance to wind gusts. The use of a sealed quick-connect coupler with intuitive, colour-coded latches reduces connection time and eliminates time-consuming traditional methods. The accessory kit includes pole-mounting brackets, a frame for flush-mounted installation (e.g. in canopies), light pollution control screens, and protective grilles in two colours with different levels of light reduction (white RAL7016: 4%, in the same colour as the body RAL7016: 8%). The models can be fitted with an external motion and twilight sensor. They are also available in the ENDURA version, which is resistant to elevated ambient temperatures of up to 50°C. DALI versions are available (if the specific wattage you require is not available with a DALI power supply, please check the ENDURA DALI versions).

APPLICATION

The Quest LED EVO S is widely used for lighting educational, childcare and administrative facilities, halls, garages, passageways, warehouses, shops, as well as in the food industry and retail and service premises dealing with foodstuffs. They are the ideal solution for small sports pitches, open spaces and car parks. They can be installed as floodlights on poles and masts, on building façades, as well as surface-mounted high-bay luminaires (HB NT version) and suspended high-bay luminaires (HB Z version). Thanks to the recessed mounting option, they are ideal for use in canopies. The Quest LED EVO S is an excellent choice for factories, production halls and large-scale warehouses.

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TECHNICAL PARAMETERS TABLE

Index:	102981
EAN:	5905963102981
Light source:	LED module
Rated power of the luminaire [W]:	104
Supply voltage [V]:	220-240
Frequency [Hz]:	0/50-60
Luminous flux [lm]:	16450
Luminous efficacy [lm/W]:	158
Energy efficiency class:	B
Electrical protection class:	I
Colour temperature [K]:	4000
Color rendering index (Ra) >:	70
Beam angle [°]:	20
Diffuser type:	glass
Diffuser colour:	transparent
Optics material:	PC
Optics:	lens
Material of the body:	aluminium

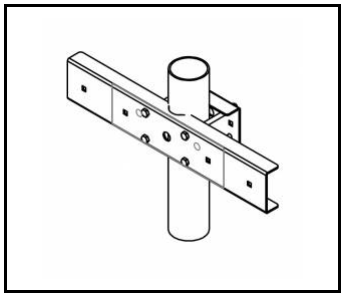
Colour of the body:	RAL7016
Impact resistance:	IK10
Ingress protection:	IP67
DIMM DALI:	yes
Category type:	floodlights
LED lifespan L70B50 [h]:	>165000
LED lifespan L80B10 [h]:	>108000
LED lifespan L90B10 [h]:	>50000
Dimensions (H/W/T/S) [mm]:	311/244/55 (398/305/360)
Mounting dimensions [mm]:	300
Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Warranty [years]:	5
CE certificate:	106/2026
ENEC Certificate:	0487/ENEC/26
Environmental Product Declaration (EPD):	816/2025
Manual:	Download PDF
ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018
Plik LDT:	Download

QUEST LED EVO S 16450LM DALI I CL. IP67 740 20D 104W

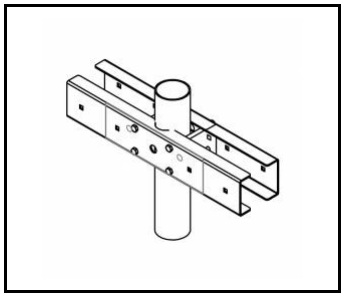
DETAILED CARD

ACCESSORIES AVAILABLE

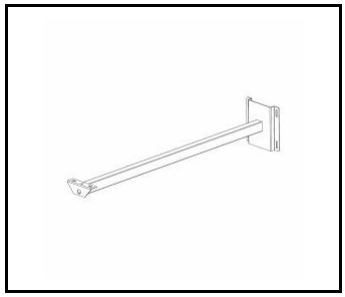
index	Name
840401	QUEST LED EVO S/M/L pole holder 1x
840418	QUEST LED EVO S/M/L pole holder 2x
840098	QUEST LED EVO XS/S/M/L wall mount MAX RAL7016 1m
840388	QUEST LED EVO S/M/L RCR set 1x
840371	QUEST LED EVO S/M/L RCR set 2x
111792	QUEST LED EVO S frame, RAL 7016
881961	QUEST LED EVO S protective grille, RAL 9003
881954	QUEST LED EVO S protective grille, RAL7016
111808	QUEST LED EVO S cover RAL7016



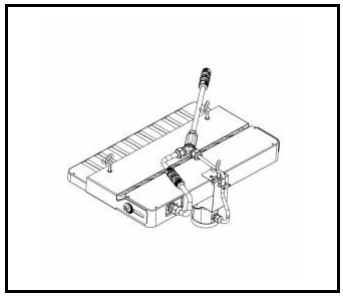
QUEST LED EVO S/M/L pole holder 1x (840401)



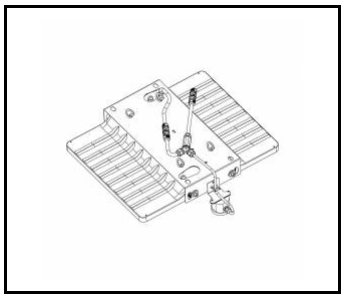
QUEST LED EVO S/M/L pole holder 2x (840418)



QUEST LED EVO XS/S/M/L wall mount MAX RAL7016 1m (840098)



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



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

Card creation date: 01 October 2026

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: 106/2026

LENA LIGHTING

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