

STRADO LED M 16450LM 740 RM7HE IP66 II CL. DALI IK10 (94W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	841897
Ingress protection:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]*:	94
Luminous flux [lm]*:	16450
Colour temperature [K]:	4000
Colour rendering index:	70
Electrical protection class:	II
Optics:	RM7HE
Control:	5-stage power reduction

CHARACTERISTICS

STRADO LED is a new family of LED road luminaires. It uses directional multi-lens matrices, made of PMMA, with each lens having the same optics, ensuring that the luminous characteristics remain constant over time. Components from renowned manufacturers and state-of-the-art LED panels contribute to the very high luminous efficacy achieved at the output of the luminaire - reaching 165 lm/W. The upper part of the body has a separate electrical cavity in the body, which allows for efficient cooling of all power supply components, independently of the light module. The lower surface of the luminaire is finished entirely with toughened glass, providing high aesthetic qualities. The luminaire has an outgoing cable with a quick-release connector, which allows fast, convenient and reliable installation without opening the luminaire. Using standard tools, it is possible to service the luminaire, allowing any component to be replaced without soldering. The body and fixture are made of die-cast aluminium, powder-coated grey, and have a very high IP66 ingress protection rating and IK10 mechanical impact resistance. Standard features: fully programmable DALI driver; available functions for maintaining constant luminous flux during CLO and autonomous 5-step power reduction; NTC protection against accidental overheating of the luminaire; filter to prevent condensation; outgoing cable with quick-connector. Additional options: NEMA, ZHAGA connectors on the top of the luminaire; interfacing with control systems; additional SP10kV protection outside the power supply, on/off power supply without power reduction function; painting in any RAL colour. Certifications: CE, RoHS, ENEC, ENEC+, Zhaga D4i.

APPLICATION

Thanks to the use of dedicated optics, it is possible to illuminate objects such as: highways, expressways, national, provincial, county, municipal, city, neighborhood, area lighting. Optics are also available to illuminate: pedestrian crossings, sidewalks and bicycle paths.

STRADO LED M 16450LM 740 RM7HE IP66 II CL. DALI IK10 (94W)

DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	841897	Colour of the body:	gray RAL 9006
EAN:	5905963841897	Dimensions (H/W/T/S) [mm]:	505/265/60
Category type:	street lighting	Mounting dimensions [mm]:	ø48-60
Product line:	HE	Impact resistance:	IK10
Version:	M	Ingress protection:	IP66
Light source:	LED module	Mounting version:	Top, on pole / Side, on boom
Rated power of the luminaire [W]:	94	Tilt angle adjustment [°]:	-20 to +20
Supply voltage [V]:	220 - 240	Lateral surface (SCx) [m2]:	0.021
Frequency [Hz]:	50 - 60	Working temperature [°C]:	from -40 to +50
Luminous flux [lm]:	16450	LED lifespan L95B10 [h]:	100000
Luminous efficacy [lm/W]:	175	DIMM DALI:	yes
Energy efficiency class:	B	Control:	5-stage power reduction
Electrical protection class:	II	Protection type:	NTC
Colour temperature [K]:	4000	Net weight [kg]:	4.980
Colour rendering index:	70	ULOR:	0%
SDCM:	≤ 5	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Surge protection [kV]:	10	Technical Warranty:	5 with the possibility of extension to 10
Diffuser material:	tempered glass	ENEC Certificate:	0390/ENEC/24; 0133/ENEC+/24
Diffuser type:	transparent	CE certificate:	86/2023
Optics material:	PMMA + PC	Zhaga-D4i:	ZG415027092023
Optics:	RM7HE	Environmental Product Declaration (EPD):	682/2024
Material of the body:	powder coated aluminium	Manual:	Download PDF

LIGHT CURVES



STRADO LED M 16450LM 740 RM7HE IP66 II CL. DALI IK10 (94W)

DETAILED CARD

ACCESSORIES AVAILABLE

index	Name
314049	wall holder (galvanized)
314056	wall holder (grey)
842108	Backshield T (back) Strado LED M RAL9006
842115	Backshield P (right) Strado LED M RAL9006
842122	Backshield L (left) Strado LED M RAL9006



wall holder (galvanized) (314049)



wall holder (grey) (314056)

Card creation date: 08 May 2025
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 and electronic waste equipment regulations (WEEE).

 Certificate CE - Nr: 86/2023