

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

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	841897
<b>Ingress protection:</b>	IP66
<b>Impact resistance:</b>	IK10
<b>Rated power of the luminaire [W]*:</b>	94
<b>Luminous flux [lm]*:</b>	16450
<b>Colour temperature [K]:</b>	4000
<b>Color rendering index (Ra) &gt;:</b>	70
<b>Electrical protection class:</b>	II
<b>Optics:</b>	RM7HE
<b>Control:</b>	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

<b>Index:</b>	841897	<b>Colour of the body:</b>	gray RAL 9006
<b>EAN:</b>	5905963841897	<b>Dimensions (H/W/T/S) [mm]:</b>	505/265/60
<b>Category type:</b>	street lighting	<b>Mounting dimensions [mm]:</b>	ø48-60
<b>Product line:</b>	HE	<b>Impact resistance:</b>	IK10
<b>Version:</b>	M	<b>Ingress protection:</b>	IP66
<b>Light source:</b>	LED module	<b>Mounting version:</b>	Top, on pole / Side, on boom
<b>Rated power of the luminaire [W]:</b>	94	<b>Tilt angle adjustment [°]:</b>	-20 to +20
<b>Supply voltage [V]:</b>	220 - 240	<b>Lateral surface (SCx) [m2]:</b>	0.021
<b>Frequency [Hz]:</b>	50 - 60	<b>Working temperature [°C]:</b>	from -40 to +50
<b>Luminous flux [lm]:</b>	16450	<b>LED lifespan L95B10 [h]:</b>	100000
<b>Luminous efficacy [lm/W]:</b>	175	<b>DIMM DALI:</b>	yes
<b>Energy efficiency class:</b>	B	<b>Control:</b>	5-stage power reduction
<b>Electrical protection class:</b>	II	<b>Protection type:</b>	NTC
<b>Colour temperature [K]:</b>	4000	<b>Net weight [kg]:</b>	4.980
<b>Color rendering index (Ra) &gt;:</b>	70	<b>ULOR:</b>	0%
<b>SDCM:</b>	5	<b>Photobiological safety:</b>	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
<b>Power factor:</b>	0.99	<b>Technical Warranty:</b>	5 with the possibility of extension to 10
<b>Surge protection [kV]:</b>	10	<b>ENEC Certificate:</b>	<a href="#">0390/ENEC/24; 0133/ENEC+/24</a>
<b>Diffuser material:</b>	tempered glass	<b>CE certificate:</b>	<a href="#">86/2023</a>
<b>Diffuser type:</b>	transparent	<b>Zhaga-D4i:</b>	<a href="#">ZG415027092023</a>
<b>Optics material:</b>	PMMA + PC	<b>Environmental Product Declaration (EPD):</b>	<a href="#">682/2024</a>
<b>Optics:</b>	RM7HE	<b>Manual:</b>	<a href="#">Download PDF</a>
<b>Material of the body:</b>	powder coated aluminium		

## 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