

# STRADO LED S 16150LM 740 RM7HE IP66 II CL. DALI IK10 (109W)

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	841613
<b>Ingress protection:</b>	IP66
<b>Impact resistance:</b>	IK10
<b>Rated power of the luminaire [W]*:</b>	109
<b>Luminous flux [lm]*:</b>	16150
<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 S 16150LM 740 RM7HE IP66 II CL. DALI IK10 (109W)

DETAILED CARD

## TECHNICAL PARAMETERS TABLE

Index:	841613	Mounting dimensions [mm]:	ø48-60
EAN:	5905963841613	Impact resistance:	IK10
Category type:	street lighting	Ingress protection:	IP66
Version:	S	Mounting version:	Top, on pole / Side, on boom
Light source:	LED module	Tilt angle adjustment [°]:	-20 to +20
Rated power of the luminaire [W]:	109	Lateral surface (SCx) [m2]:	0.018
Supply voltage [V]:	220 - 240	Working temperature [°C]:	from -40 to +50
Frequency [Hz]:	50 - 60	LED lifespan L90B10 [h]:	100000
Luminous flux [lm]:	16150	DIMM DALI:	yes
Luminous efficacy [lm/W]:	148	Control:	5-stage power reduction
Energy efficiency class:	C	Protection type:	NTC + ESD
Electrical protection class:	II	Net weight [kg]:	4.440
Colour temperature [K]:	4000	Wire type:	H07RN-F 5x1,5
Color rendering index (Ra) >:	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:	<a href="#">0390/ENEC/24; 0133/ENEC+/24</a>
Diffuser type:	transparent	CE certificate:	<a href="#">85/2023</a>
Optics material:	PMMA + PC	Zhaga-D4i:	<a href="#">ZG415127092023</a>
Optics:	RM7HE	Environmental Product Declaration (EPD):	<a href="#">682/2024</a>
Material of the body:	powder coated aluminium	Manual:	<a href="#">Download PDF</a>
Colour of the body:	gray RAL 9006	Product line:	HE
Dimensions (H/W/T/S) [mm]:	385/265/60		

## LIGHT CURVES



# STRADO LED S 16150LM 740 RM7HE IP66 II CL. DALI IK10 (109W)

DETAILED CARD

## ACCESSORIES AVAILABLE

index	Name
314049	wall holder (galvanized)
314056	wall holder (grey)
842139	Backshield T (back) Strado LED S RAL9006
842146	Backshield P (right) Strado LED S RAL9006
842153	Backshield L (left) Strado LED S 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: 85/2023