

# STRADO LED M 18500LM 740 RM7 IP66 II CL. DALI (140W)

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	411731
<b>Ingress protection:</b>	IP66
<b>Impact resistance:</b>	IK10
<b>Rated power of the luminaire [W]*:</b>	140
<b>Luminous flux [lm]*:</b>	18500
<b>Colour temperature [K]:</b>	4000
<b>Colour rendering index:</b>	> 70
<b>Electrical protection class:</b>	II
<b>Optics:</b>	RM7
<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.

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## TECHNICAL PARAMETERS TABLE

Index:	411731	Material of the body:	powder coated aluminium
Rated power of the luminaire [W]:	140	Colour of the body:	grey
EAN:	5905963411731	Dimensions (H/W/T/S) [mm]:	505/265/60
Luminous flux [lm]:	18500	Mounting dimensions [mm]:	ø60
ETIM class:	EC000062	Impact resistance:	IK10
Luminous efficacy [lm/W]:	132	Ingress protection:	IP66
Category type:	street lighting	Mounting version:	Top, on pole / Side, on boom
Energy efficiency class:	D	Tilt angle adjustment [°]:	-20° to +20°
Colour temperature [K]:	4000	Lateral surface (SCx) [m2]:	0.021
Version:	M	Working temperature [°C]:	from -40 to +50
Colour rendering index:	> 70	LED lifespan L95B10 [h]:	100000
Light source:	LED module	Control:	5-stage power reduction
Electrical protection class:	II	Protection type:	NTC + ESD
Optics:	RM7	Net weight [kg]:	5.200
Supply voltage [V]:	220 - 240	ULOR:	0%
DIMM DALI:	yes	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Frequency [Hz]:	50 - 60	Technical Warranty:	5 with the possibility of extension to 10
SDCM:	≤ 5	ENEC Certificate:	<a href="#">0390/ENEC/24; 0133/ENEC+/24</a>
Surge protection [kV]:	10	CE certificate:	<a href="#">86/2023</a>
Diffuser material:	toughened glass	Zhaga-D4i:	<a href="#">ZG415027092023</a>
Diffuser type:	transparent	Environmental Product Declaration (EPD):	<a href="#">682/2024</a>
Optics material:	PMMA	Manual:	<a href="#">Download PDF</a>
Exchangeable source:	yes		

## LIGHT CURVES



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## ACCESSORIES AVAILABLE

index	Name
314049	wall holder (galvanized)
314056	wall holder (grey)



wall holder (galvanized) (314049)



wall holder (grey) (314056)

Card creation date: 21 November 2024

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