# **TIARA 2 LED S 8525LM 740 RM7HE IP66 II KL. DALI (50W)**

**DETAILED CARD** 





# **TECHNICAL PARAMETERS**

434242
IP66
IK10
50
8525
4000
70
II
RM7HE

# **CHARACTERISTICS**

TIARA 2 LED a new generation of LED road luminaires. It uses directional multilens arrays made of PMMA, with each lens having the same optics, ensuring that the light characteristics remain constant over time. The luminaire's dual-chamber design maintains the integrity of the optical chamber during installation work and the opening of the electrical chamber. As standard, the luminaire offers tool-free access to the electrical fixtures using two independent clips, which, if desired and needed to protect against vandalism or uncontrolled opening, can optionally be permanently secured with screws or a seal. The upper part of the luminaire, has dedicated hinges and a safety cable to prevent falling. Using standard tools, quick and convenient service is possible, allowing replacement of any component without the need to disassemble the entire fixture and make soldered connections. The body and handle made of die-cast aluminum, powder-coated in gray, is characterized by a very high degree of IP66 and IK10 impact resistance. Standard features: ergonomic light module suspension system; NTC luminaire accidental overheating protection; fully programmable DALI driver; available functions for maintaining constant lumen output during CLO and autonomous 5-stage power reduction; filter to prevent condensation; connection terminals; tool-free access. Additional options: NEMA, ZHAGA connectors; interfacing with control systems, RCR motion sensor; anti-vandal protection with screws/seal; additional SP10kV protection outside the power supply, on/off power supply without power reduction function; knife disconnect switch that disconnects voltage if the electrical compartment is opened; design with cable terminated with quick disconnect; painting in any RAL color. Certifications: CE, RoHS, 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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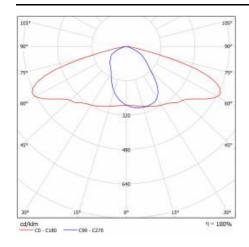
**DETAILED CARD** 

#### **TECHNICAL PARAMETERS TABLE**

Index:	434242
EAN:	5905963434242
ETIM class:	EC000062
Category type:	street lighting
Product line:	HE
Version:	S
Light source:	LED module
Rated power of the luminaire [W]:	50
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous flux [lm]:	8525
Luminous efficacy [lm/W]:	171
Energy efficiency class:	В
Electrical protection class:	II
Colour temperature [K]:	4000
Colour rendering index:	70
SDCM:	≤ 4
Power factor:	0.97
Surge protection [kV]:	10
Diffuser material:	tempered glass
Diffuser type:	transparent
Optics material:	PMMA + PC
Optics:	RM7HE
Exchangeable source:	yes

Material of the body:	powder coated aluminium
Colour of the body:	grey
Dimensions (H/W/T/S) [mm]:	424/251/105
Mounting dimensions [mm]:	ø48-60
Impact resistance:	IK10
Ingress protection:	IP66
Mounting version:	Top, on pole / Side, on boom
Tilt angle adjustment [°]:	-30 to +120 (peak); -120 to +30 (side)
Lateral surface (SCx) [m2]:	0.021
Working temperature [°C]:	from -40 to +50
DIMM DALI:	yes
Control:	Yes + 5-stage power reduction
Protection type:	NTC + ESD
Vandalproof:	yes
Net weight [kg]:	4.340
ULOR:	0%
Photobiological safety:	RG0 - exempt (no photobiological hazard)
Technical Warranty:	5 with the possibility of extension to 10
ENEC Certificate:	0410/ENEC/25; 0141/ENEC+/25
CE certificate:	91/2023
Zhaga-D4i:	ZG407220042023
Environmental Product Declaration (EPD):	682/2024
Manual:	Download PDF
LED lifespan L95B10 [h]:	100000

# **LIGHT CURVES**





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#### **ACCESSORIES AVAILABLE**

index	Name
314049	wall holder (galvanized)
314056	wall holder (grey)
UL01350	Handle fi 76mm for Tiara 2 LED M and Tiara 2 LED S
813443	Backshield P (right) Tiara 2 LED S RAL9006
813450	Backshield L (left) Tiara 2 LED S RAL9006
813436	Backshield T (back) Tiara 2 LED S RAL9006





wall holder (galvanized) (314049)

wall holder (grey) (314056)

Card creation date: 26 March 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%

