### TIARA 2 LED S 4650LM 740 RM7 IP66 II CL. DALI (29W)

DETAILED CARD



### **TECHNICAL PARAMETERS**

Index:	988820
Ingress protection:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]*:	29
Luminous flux [lm]*:	4650
Colour temperature [K]:	4000
Colour rendering index:	70
Electrical protection class:	II
Optics:	RM7

### **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.



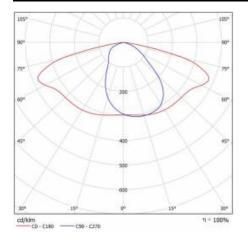
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### **TECHNICAL PARAMETERS TABLE**

Index:	988820	Colour of the body:	grey
EAN:	5905963988820	Dimensions (H/W/T/S) [mm]:	424/251/105
ETIM class:	EC000062	Mounting dimensions [mm]:	ø48-60
Category type:	street lighting	Impact resistance:	IK10
Version:	S	Ingress protection:	IP66
Light source:	LED module	Mounting version:	Top, on pole / Side, on boom
Rated power of the luminaire [W]:	29	Tilt angle adjustment [°]:	-30 to +120 (peak); -120 to +3 (side)
Supply voltage [V]:	220 - 240	Lateral surface (SCx) [m2]:	0.021
Frequency [Hz]:	50 - 60	Working temperature [°C]:	from -40 to +50
Luminous flux [Im]:	4650	DIMM DALI:	yes
Luminous efficacy [lm/W]:	160	Control:	Yes + 5-stage power reduction
Energy efficiency class:	В	Protection type:	NTC + ESD
Electrical protection class:	П	Vandalproof:	yes
Colour temperature [K]:	4000	Net weight [kg]:	4.280
Colour rendering index:	70	ULOR:	0%
SDCM: Surge protection [kV]:	≤ 4 10	Photobiological safety:	RG0 - exempt (no photobiological hazard)
Diffuser material:	tempered glass	Technical Warranty:	5 with the possibility of extension to 10
Diffuser type:	transparent	ENEC Certificate:	0410/ENEC/25; 0141/ENEC+/2
Optics material:	РММА	CE certificate:	<u>91/2023</u>
Optics:	RM7	Zhaga-D4i:	ZG407220042023
Exchangeable source:	yes	Environmental Product Declaration (EPD):	<u>682/2024</u>
Material of the body:	powder coated aluminium	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: 03 June 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%

Certificate CE - Nr: 91/2023

This product is a subject to electric and electronic waste equipment regulations (WEEE).

