### TIARA 2 LED S 8050LM 740 RM7HE IP66 II CL. DALI (47W)

DETAILED CARD



### **TECHNICAL PARAMETERS**

Index:	434235
Ingress protection:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]*:	47
Luminous flux [lm]*:	8050
Colour temperature [K]:	4000
Colour rendering index:	70
Electrical protection class:	Ш
Optics:	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.



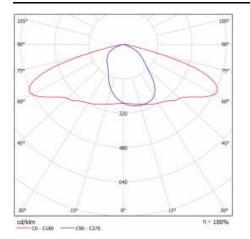
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### **TECHNICAL PARAMETERS TABLE**

Index:	434235	Material of the body:	powder coated aluminium
EAN:	5905963434235	Colour of the body:	grey
ETIM class:	EC000062	Dimensions (H/W/T/S) [mm]:	424/251/105
Category type:	street lighting	Mounting dimensions [mm]:	ø48-60
Product line:	HE	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]:	47	Tilt angle adjustment [°]:	-30 to +120 (peak); -120 to +30 (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 [lm]:	8050	DIMM DALI:	yes
Luminous efficacy [lm/W]:	171	Control:	Yes + 5-stage power reduction
Energy efficiency class:	В	Protection type:	NTC + ESD
Electrical protection class:	Ш	Vandalproof:	yes
Colour temperature [K]:	4000	Net weight [kg]:	4.340
Colour rendering index:	70	ULOR:	0%
SDCM:	≤ 4	Photobiological safety:	RG0 - exempt (no
Power factor:	0.97	- · · · · · · · ·	photobiological hazard) 5 with the possibility of
Surge protection [kV]:	10	Technical Warranty:	extension to 10
Diffuser material:	tempered glass	ENEC Certificate:	0410/ENEC/25; 0141/ENEC+/25
Diffuser type:	transparent	CE certificate:	<u>91/2023</u>
Optics material:	PMMA + PC	Zhaga-D4i:	ZG407220042023
Optics:	RM7HE	Environmental Product Declaration (EPD):	<u>682/2024</u>
Exchangeable source:	yes	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 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%

Certificate CE - Nr: 91/2023

X



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