### **TIARA 2 LED S 16150LM 740 RM7HE IP66 II CL. DALI (109W)**

**DETAILED CARD** 





### **TECHNICAL PARAMETERS**

Index:	862281
Ingress protection:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]*:	109
Luminous flux [lm]*:	16150
Colour temperature [K]:	4000
Color rendering index (Ra) >:	70
Electrical protection class:	II
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, 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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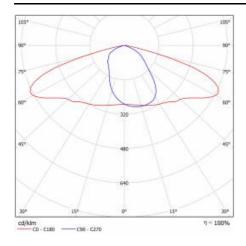
**DETAILED CARD** 

### **TECHNICAL PARAMETERS TABLE**

Index:	862281
EAN:	5905963862281
ETIM class:	EC000062
Category type:	street lighting
Product line:	HE
Version:	S
Light source:	LED module
Rated power of the luminaire [W]:	109
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous flux [Im]:	16150
Luminous efficacy [lm/W]:	148
Energy efficiency class:	С
Electrical protection class:	II
Colour temperature [K]:	4000
Color rendering index (Ra) >:	70
SDCM:	4
Power factor:	0.98
Surge protection [kV]:	10
Diffuser material:	tempered glass
Diffuser type:	transparent
Optics material:	PMMA + PC
Optics:	RM7HE

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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]:	ø60
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
ENEC Certificate:	0449/ENEC/25; 0163/ENEC+/25
CE certificate:	91/2023
Zhaga-D4i:	ZG407220042023
Environmental Product Declaration (EPD):	<u>682/2024</u>
Manual:	Download PDF
Category of application:	Street lighting

### **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
804625	TIARA 2 LED Adjustable bracket Dark Sky diameter 64 mm grey
989766	Tiara 2 LED 64mm handle cover







wall holder (grey) (314056)



TIARA 2 LED Adjustable bracket Dark Sky diameter 64 mm grey (804625)



Tiara 2 LED 64mm handle cover (989766)

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%

