TIARA 2 LED XS 2450LM 740 RM7 IP66 II CL. DALI (16W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	694240
Ingress protection:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]*:	16
Luminous flux [lm]*:	2450
Colour temperature [K]:	4000
Color rendering index (Ra) >:	70
Electrical protection class:	II
Optics:	RM7
Control:	Yes + 5-stage power reduction

CHARACTERISTICS

TIARA 2 LED XS - a new generation of LED road luminaires. It uses directional multi-lens matrices made of PMMA, each lens of which has the same optics, ensuring that the light characteristics remain unchanged over time. The two-chamber structure of the luminaire maintains the tightness of the optical chamber during assembly work and when opening the electrical chamber. As standard, the fixture offers tool-free access to the electrical equipment using a knob which, upon request and the need to protect against vandalism or uncontrolled opening, can optionally be permanently secured with a screw or seal. The upper part of the luminaire has dedicated hinges and a rope protecting against falling. Using standard tools, quick and convenient service is possible, allowing the replacement of any component without the need to dismantle the entire fixture and perform soldered connections. The body and handle are made of die-cast aluminum, powder-coated gray, characterized by a very high degree of tightness IP66 and resistance to mechanical impacts IK10.

Standard equipment: ergonomic light module suspension system; protection against accidental overheating of the NTC fixture; fully programmable DALI driver, available functions of maintaining a constant light flux during CLO and autonomous, 5-step power reduction; filter preventing water vapor condensation; connection terminals; tool-free access.

Additional options: NEMA, ZHAGA connectors; cooperation with control systems, RCR motion sensor; anti-vandal protection with screws/seals; additional SP10kV protection apart from the power supply, on/off power supply without power reduction function; knife switch disconnecting the voltage when the electrical compartment is opened; version with a cable terminated with a quick connector; painting in any color from the RAL palette. Certificates: CE, RoHS, ENEC, ENEC+, Zhaga D4i. Zhaga Book 13, Zhaga Book 15.

APPLICATION

Thanks to the use of dedicated optics, it is possible to illuminate facilities such as: expressways, national roads, provincial roads, district roads, municipal roads, city roads, housing estate roads, and area lighting. Optics are also available to illuminate pedestrian crossings, sidewalks and bicycle paths.

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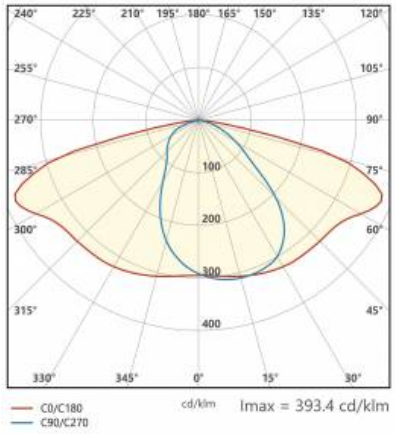
DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	694240
EAN:	5905963694240
ETIM class:	EC000062
Category type:	street lighting
Version:	XS
Light source:	LED module
Rated power of the luminaire [W]:	16
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous flux [lm]:	2450
Luminous efficacy [lm/W]:	153
Energy efficiency class:	C
Electrical protection class:	II
Colour temperature [K]:	4000
Color rendering index (Ra) >:	70
SDCM:	4
Power factor:	0.96
Surge protection [kV]:	10
Diffuser material:	tempered glass
Diffuser type:	transparent
Optics material:	PMMA
Optics:	RM7
Exchangeable source:	yes
Material of the body:	powder coated aluminium
Colour of the body:	gray RAL 9006

Dimensions (H/W/T/S) [mm]:	424/170/105
Mounting dimensions [mm]:	ø40-60
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]:	3.410
ULOR:	0%
Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Technical Warranty:	5 with the possibility of extension to 10
ENEC Certificate:	0449/ENEC/25/M1; 0163/ENEC+/25/A1
CE certificate:	101/2026
Zhaga-D4i:	ZG430708072024
Environmental Product Declaration (EPD):	682/2024
Manual:	Download PDF
LED lifespan L95B10 [h]:	100000
Category of application:	Street lighting
ENEC Plus:	0163/ENEC+/25/A1
ISO Certificates:	9001:2015. 14001:2015, 45001:2018, 50001:2018

LIGHT CURVES



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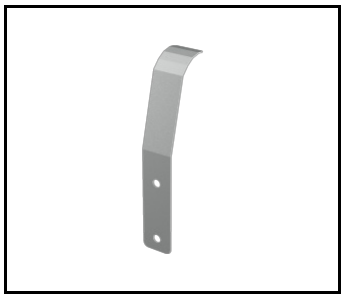
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ACCESSORIES AVAILABLE

index	Name
813474	Backshield P (right) Tiara 2 LED XS RAL9006
813481	Backshield L (left) Tiara 2 LED XS RAL9006
813467	Backshield T (back) Tiara 2 LED XS RAL9006
804625	TIARA 2 LED Adjustable bracket Dark Sky diameter 64 mm grey
989766	Tiara 2 LED 64mm handle cover
WSEL431	HAI HD05R RC Programming Remote Control for HD0406VRH IoT



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



Tiara 2 LED 64mm handle cover (989766)



HAI HD05R RC Programming Remote Control for HD0406VRH IoT (WSEL431)

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 andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 101/2026

LENA LIGHTING

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