TIARA 2 LED M 16450LM 740 RM7HE IP66 II CL. DALI (94W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	434631
Ingress protection:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]*:	94
Luminous flux [lm]*:	16450
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 multi-lens 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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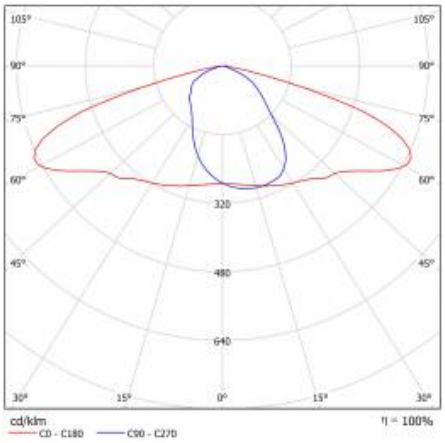
DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	434631
EAN:	5905963434631
ETIM class:	EC000062
Category type:	street lighting
Product line:	HE
Version:	M
Light source:	LED module
Rated power of the luminaire [W]:	94
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous flux [lm]:	16450
Luminous efficacy [lm/W]:	175
Energy efficiency class:	B
Electrical protection class:	II
Colour temperature [K]:	4000
Color rendering index (Ra) >:	70
SDCM:	4
Power factor:	1
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:	gray RAL 9006

Dimensions (H/W/T/S) [mm]:	597/264/105
Mounting dimensions [mm]:	ø40-60/ø76
Impact resistance:	IK10
Ingress protection:	IP66
Mounting version:	Top, on pole / Side, on boom
Tilt angle adjustment [°]:	from -30 to +120 (peak) and -120 to +30 (side) in 5° degrees increments
Lateral surface (SCx) [m2]:	0.028
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]:	6.500
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:	07/2024
Zhaga-D4i:	ZG407120042023
Environmental Product Declaration (EPD):	682/2024
Manual:	Download PDF
LED lifespan L95B10 [h]:	100000
Category of application:	Street lighting
ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018
ENEC Plus:	0163/ENEC+/25/A1

LIGHT CURVES

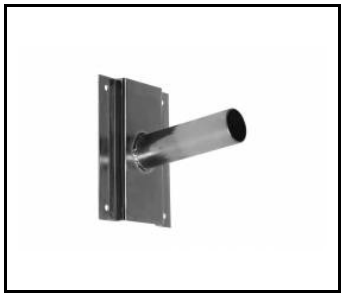


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ACCESSORIES AVAILABLE

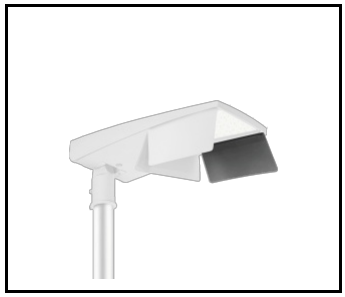
index	Name
314049	wall holder (galvanized)
314056	wall holder (grey)
UL01350	Handle fi 76mm for Tiara 2 LED M and Tiara 2 LED S
UL00960	Backshield L (left) Tiara 2 LED M
UL00959	Backshield P (right) Tiara 2 LED M
UL00958	Backshield T (back) Tiara 2 LED M RAL9006 (MOQ 80szt.)
804625	TIARA 2 LED Adjustable bracket Dark Sky diameter 64 mm grey
989766	Tiara 2 LED 64mm handle cover
WSEL431	HAI HD05R RC Programming Remote Control for HD0406VRH IoT



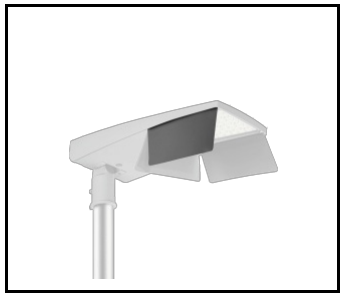
wall holder (galvanized) (314049)



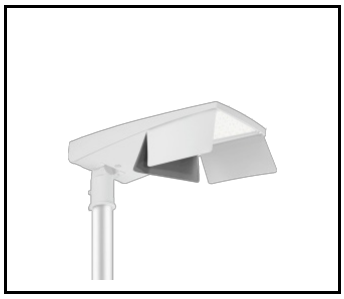
wall holder (grey) (314056)



Backshield L (left) Tiara 2 LED M (UL00960)



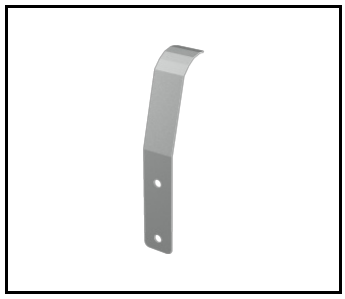
Backshield P (right) Tiara 2 LED M (UL00959)



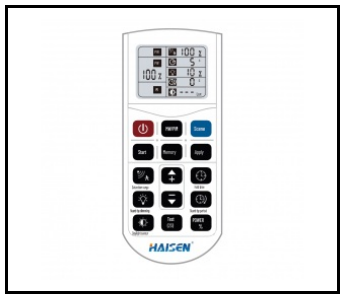
Backshield T (back) Tiara 2 LED M RAL9006 (MOQ 80szt.) (UL00958)



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)

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%

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

Certificate CE - Nr: 07/2024

LENA LIGHTING

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