

# TIARA 2 LED S 15000LM 740 RM7HE IP66 I CL. DALI ZG SP10KV IK10 (99W)

DETAILED CARD



## TECHNICAL PARAMETERS

Index:	814044
Ingress protection:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]*:	99
Luminous flux [lm]*:	15000
Colour temperature [K]:	4000
Colour rendering index:	> 70
Electrical protection class:	I
Optics:	RM7HE
Socket type:	ZHAGA

## 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 IK09 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.

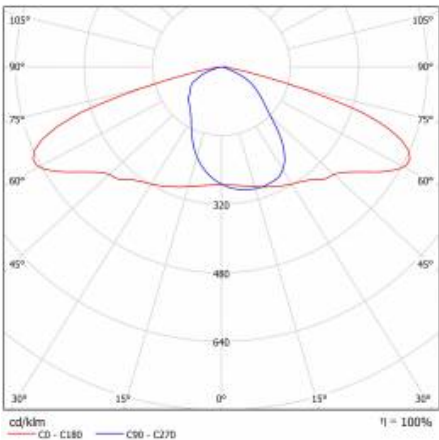
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## TECHNICAL PARAMETERS TABLE

Index:	814044	Impact resistance:	IK10
EAN:	5905963814044	Ingress protection:	IP66
ETIM class:	EC000062	Mounting version:	Top, on pole / Side, on boom
Category type:	street lighting	Tilt angle adjustment [°]:	-30° to +120° (peak); -120° to +30° (side)
Product line:	HE	Lateral surface (SCx) [m2]:	0.023
Version:	S ZHAGA	Working temperature [°C]:	from -40 to +50
Light source:	LED module	LED lifespan L95B10 [h]:	100000
Rated power of the luminaire [W]:	99	DIMM DALI:	yes
Supply voltage [V]:	220 - 240	Socket type:	ZHAGA
Frequency [Hz]:	50 - 60	Sockets:	1
Luminous flux [lm]:	15000	Control:	Yes + 5-stage power reduction
Luminous efficacy [lm/W]:	152	Protection type:	NTC + ESD + SP10kV/10kA
Energy efficiency class:	C	Vandalproof:	yes
Electrical protection class:	I	Net weight [kg]:	4.280
Colour temperature [K]:	4000	ULOR:	0%
Colour rendering index:	> 70	Photobiological safety:	RG0 - exempt (no photobiological hazard)
SDCM:	≤ 4	Warranty [years]:	10
Surge protection [kV]:	10	ENEC Certificate:	<a href="#">0410/ENEC/25; 0141/ENEC+/25</a>
Diffuser material:	toughened glass	CE certificate:	<a href="#">91/2023</a>
Diffuser type:	transparent	Zhaga-D4i:	<a href="#">ZG407220042023</a>
Optics material:	PMMA + PC	Environmental Product Declaration (EPD):	<a href="#">682/2024</a>
Optics:	RM7HE	Manual:	<a href="#">Manual</a>
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		

## 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



wall holder (galvanized) (314049)



wall holder (grey) (314056)

Card creation date: 18 April 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 and electronic waste equipment regulations (WEEE).

 Certificate CE - Nr: 91/2023