

TIARA 2 LED S 12050LM 740 PP1 IP66 I KL 1DIM SP10KV IK10 (80W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	814037
Ingress protection:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]*:	80
Luminous flux [lm]*:	12050
Colour temperature [K]:	4000
Colour rendering index:	> 70
Electrical protection class:	I
Optics:	PP1

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.

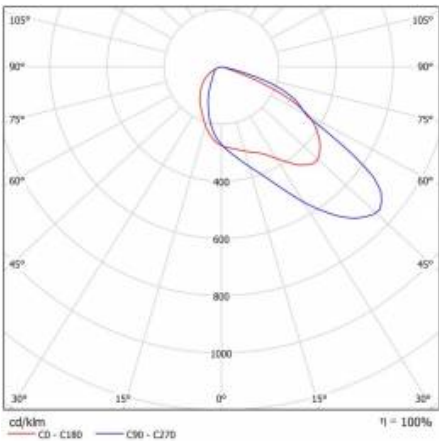
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TECHNICAL PARAMETERS TABLE

Index:	814037	Impact resistance:	IK10
ETIM class:	EC000062	Ingress protection:	IP66
Category type:	street lighting	Mounting version:	Top, on pole / Side, on boom
Version:	S	Tilt angle adjustment [°]:	-30° to +120° (peak); -120° to +30° (side)
Light source:	LED module	Lateral surface (SCx) [m2]:	0.021
Rated power of the luminaire [W]:	80	Working temperature [°C]:	from -40 to +50
Supply voltage [V]:	220 - 240	LED lifespan L95B10 [h]:	100000
Frequency [Hz]:	50 - 60	Control:	5-stage power reduction
Luminous flux [lm]:	12050	Protection type:	NTC + ESD + SP10kV/10kA
Luminous efficacy [lm/W]:	159	Vandalproof:	yes
Energy efficiency class:	B	Net weight [kg]:	4.280
Electrical protection class:	I	ULOR:	0%
Colour temperature [K]:	4000	Photobiological safety:	RG0 - exempt (no photobiological hazard)
Colour rendering index:	> 70	Warranty [years]:	10
SDCM:	≤ 4	ENEC Certificate:	0410/ENEC/25; 0141/ENEC+/25
Surge protection [kV]:	10	CE certificate:	91/2023
Diffuser material:	toughened glass	Zhaga-D4i:	ZG407220042023
Diffuser type:	transparent	Environmental Product Declaration (EPD):	682/2024
Optics material:	PMMA	Manual:	Manual
Optics:	PP1		
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