

# TIARA 2 LED S 12300LM 740 RM7 IP66 II CL. DALI (99W)

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	988981
<b>Ingress protection:</b>	IP66
<b>Impact resistance:</b>	IK09
<b>Rated power of the luminaire [W]*:</b>	99
<b>Luminous flux [lm]*:</b>	12300
<b>Colour temperature [K]:</b>	4000
<b>Colour rendering index:</b>	> 70
<b>Electrical protection class:</b>	II
<b>Optics:</b>	RM7

## 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:	988981	Material of the body:	powder coated aluminium
Rated power of the luminaire [W]:	99	Colour of the body:	grey
EAN:	5905963988981	Dimensions (H/W/T/S) [mm]:	424/251/105
Luminous flux [lm]:	12300	Mounting dimensions [mm]:	ø60
ETIM class:	EC000062	Impact resistance:	IK09
Luminous efficacy [lm/W]:	124	Ingress protection:	IP66
Category type:	street lighting	Mounting version:	Top, on pole / Side, on boom
Energy efficiency class:	D	Tilt angle adjustment [°]:	-30° to +120° (peak); -120° to +30° (side)
Colour temperature [K]:	4000	Lateral surface (SCx) [m2]:	0.021
Version:	S	Working temperature [°C]:	from -40 to +50
Colour rendering index:	> 70	LED lifespan L90B10 [h]:	100000
Light source:	LED module	Control:	Yes + 5-stage power reduction
Electrical protection class:	II	Protection type:	NTC + ESD
Optics:	RM7	Vandalproof:	yes
Supply voltage [V]:	220 - 240	Net weight [kg]:	4,280
DIMM DALI:	yes	ULOR:	0%
Frequency [Hz]:	50 - 60	Photobiological safety:	RG0 - exempt (no photobiological hazard)
SDCM:	≤ 5	Technical Warranty:	5 with the possibility of extension to 10
Surge protection [kV]:	10	Environmental Product Declaration (EPD):	682/2024
Diffuser material:	toughened glass	ENEC Certificate:	<a href="#">0356/ENEC/24/M1/A1;</a> <a href="#">0120/ENEC+24/M1/A1</a>
Diffuser type:	transparent	CE certificate:	<a href="#">91/2023</a>
Optics material:	PMMA	Zhaga-D4i:	<a href="#">ZG407220042023</a>
Exchangeable source:	yes	Manual:	<a href="#">Download PDF</a>

## 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: 12 February 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