

# TIARA 2 LED XS 5525LM 740 RM18HE IP66 II CL. WIRE 0,7M DALI SP10KV ZG (34W)

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	690174/GIE
<b>Ingress protection:</b>	IP66
<b>Impact resistance:</b>	IK09
<b>Rated power of the luminaire [W]*:</b>	34
<b>Luminous flux [lm]*:</b>	5525
<b>Colour temperature [K]:</b>	4000
<b>Colour rendering index:</b>	> 70
<b>Electrical protection class:</b>	II
<b>Optics:</b>	RM18HE
<b>Control:</b>	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 IK09.

Standard equipment: ergonomic light module suspension system; protection against accidental overheating of the NTC fixture; fully programmable 2 DIM 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.

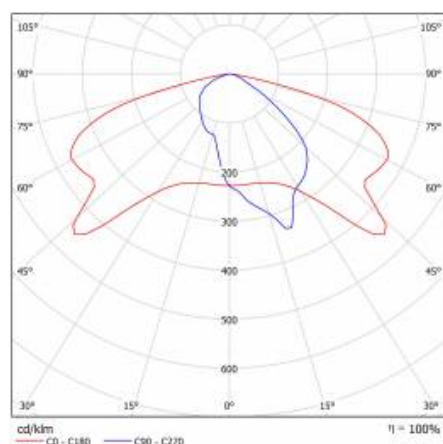
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## TECHNICAL PARAMETERS TABLE

Index:	690174/GIE	Dimensions (H/W/T/S) [mm]:	424/170/105
Rated power of the luminaire [W]:	34	Mounting dimensions [mm]:	ø60
Luminous flux [lm]:	5525	Impact resistance:	IK09
ETIM class:	EC000062	Ingress protection:	IP66
Luminous efficacy [lm/W]:	163	Mounting version:	Top, on pole / Side, on boom
Category type:	street lighting	Tilt angle adjustment [°]:	-30° do +120° (szczytowy), -120° do +30° (boczny)
Energy efficiency class:	B	Lateral surface (SCx) [m2]:	0.023
Product line:	HE	Working temperature [°C]:	from -40 to +50
Colour temperature [K]:	4000	DIMM DALI:	yes
Version:	XS ZHAGA	Socket type:	ZHAGA
Colour rendering index:	> 70	Sockets:	1
Light source:	LED module	Control:	Yes + 5-stage power reduction
Electrical protection class:	II	Protection type:	NTC + ESD + SP10kV/10kA
Optics:	RM18HE	Vandalproof:	yes
Supply voltage [V]:	220 - 240	Net weight [kg]:	3.410
Frequency [Hz]:	50 - 60	Wire type:	H07RN-F 4x1,5mm2
SDCM:	≤ 4	ULOR:	0%
Power factor:	0.98	Photobiological safety:	RG0 - exempt (no photobiological hazard) 5 with the possibility of extension to 10
Surge protection [kV]:	10	Technical Warranty:	5 with the possibility of extension to 10
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="#">43/2024</a>
Optics material:	PMMA + PC	Zhaga-D4i:	<a href="#">ZG430708072024</a>
Exchangeable source:	yes	Environmental Product Declaration (EPD):	<a href="#">682/2024</a>
Material of the body:	powder coated aluminium	Manual:	<a href="#">Download PDF</a>
Colour of the body:	grey	LED lifespan L95B10 [h]:	100000

## LIGHT CURVES



Card creation date: 06 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 and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 43/2024



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