

# TIARA 2 LED M 22150LM 740 RM7 IP66 II CL. DALI (167W)

## DETAILED CARD



### TECHNICAL PARAMETERS

Index:	x
Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	8
Luminous flux [lm]*:	1075 - 22925
Colour temperature [K]:	2200 - 6500
Colour rendering index:	> 70; > 80
Electrical protection class:	I; II
Optics:	max RW9
Control:	DALI; 1-10V; ON/OFF; 5-stopniowa redukcja mocy; czujnik RCR; inne

### 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.

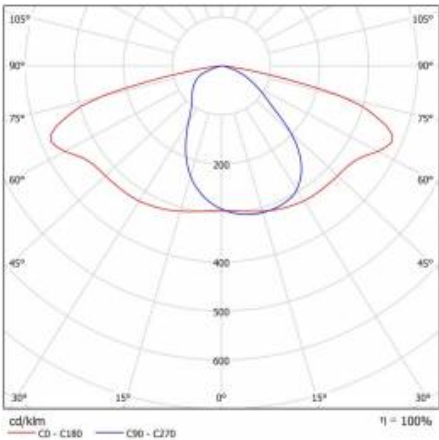
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## TECHNICAL PARAMETERS TABLE

Index:	x	Dimensions (H/W/T/S) [mm]:	597/265/105; 706/265/105
EAN:	x	Mounting dimensions [mm]:	ø60
ETIM class:	EC000062	Impact resistance:	IK09
Category type:	street lighting	Ingress protection:	IP66
Version:	M; M NEMA; M ZHAGA	Mounting version:	Szczytowy, na słupie / Boczny, na wysięgniku
Light source:	moduł LED	Beam angle adjustment [°]:	-30° do +30°
Rated power of the luminaire [W]:	8	Lateral surface (SCx) [m2]:	0.028; 0.030
Supply voltage [V]:	220 - 240	Working temperature [°C]:	od -40 do +50
Frequency [Hz]:	50 - 60	LED lifespan L90B10 [h]:	100000
Luminous flux [lm]:	1075 - 22925	DIMM DALI:	yes
Luminous efficacy [lm/W]:	101	Socket type:	NEMA; ZHAGA
Energy efficiency class:	B - E	Control:	DALI; 1-10V; ON/OFF; 5-stopniowa redukcja mocy; czujnik RCR; inne
Electrical protection class:	I; II	Protection type:	NTC; NTC + warystor 10kV
Colour temperature [K]:	2200 - 6500	Vandalproof:	yes
Colour rendering index:	> 70; > 80	Net weight [kg]:	5.200
SDCM:	≤ 5	Remarks:	Złącze NEMA + rozłącznik nożowy na wyposażeniu
Power factor:	0.93 - 0.99	Technical Warranty:	10
Surge protection [kV]:	10	ULOR:	0%
Diffuser material:	Szyba hartowana	Photobiological safety:	grupa ryzyka 1 (niskie ryzyko); grupa ryzyka 1 (niskie ryzyko)
Diffuser type:	transparentny	ENEC Certificate:	<a href="#">0228/ENEC/20/M2/A1</a> , <a href="#">0065/ENEC+/21/M1</a>
Optics material:	PMMA	CE certificate:	<a href="#">65/2023</a>
Optics:	max RW9	Manual:	<a href="#">Download PDF</a>
Exchangeable source:	yes	Sockets:	1
Material of the body:	Aluminium malowane proszkowo	Knife switch:	yes
Colour of the body:	szary		

## 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: 05 April 2024

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: 07/2024