

# TIARA LED M PRO 7900LM 740 RM3 IP66 II CL. DALI (49W)

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	962783
<b>Ingress protection:</b>	IP66
<b>Impact resistance:</b>	IK09
<b>Rated power of the luminaire [W]*:</b>	49
<b>Luminous flux [lm]*:</b>	7900
<b>Colour temperature [K]:</b>	4000
<b>Colour rendering index:</b>	> 70
<b>Electrical protection class:</b>	II
<b>Optics:</b>	RM3

## CHARACTERISTICS

TIARA LED PRO a family of LED road luminaires based on a proven form factor. It uses directional multi-lens matrices, made of PMMA, with each lens having the same optics, ensuring that the luminous characteristics remain constant over time. Components from renowned manufacturers and new LED panels contribute to the very high luminous efficacy achieved at the output of the luminaire - reaching 170 lm/W. The two-chamber construction of the luminaire maintains the tightness of the optical chamber during assembly work and allows tool-free access to the electrical equipment chamber. The upper part of the luminaire, has dedicated hinges and a safety cord. Using standard tools, quick and convenient servicing is possible, allowing the replacement of any component without having to dismantle the entire luminaire and make soldered connections. The body and handle are made of die-cast aluminium, powder-coated grey, and have a very high IP66 protection rating and IK09 mechanical impact resistance. Standard features: ergonomic light module suspension system; fully programmable DALI driver; CLO constant lumen maintenance and autonomous 5-stage power reduction functions available; NTC overheating protection; filter to prevent condensation; connection terminals; tool-free access. Additional options: NEMA, ZHAGA connectors; interfacing with control systems, RCR motion sensor; additional SP10kV protection outside the power supply, on/off power supply without power reduction function; knife disconnecter to disconnect voltage if the electrical compartment is opened; design with cable terminated with quick disconnect; painting in any RAL colour. Certifications: CE, RoHS, ENEC, ENEC+, Zhaga D4i.

## APPLICATION

Thanks to the use of dedicated optics, it is possible to illuminate objects such as: motorways, motorways, national roads, voivodeships, districts, communes, municipalities, housing estates, area lighting. Optics are also available to illuminate: pedestrian crossings, pavements and cycle paths.

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Index:	962783	Material of the body:	powder coated aluminium
EAN:	5905963962783	Colour of the body:	grey
ETIM class:	EC000062	Dimensions (H/W/T/S) [mm]:	665/262/122
Category type:	street lighting	Mounting dimensions [mm]:	ø60
Version:	M	Impact resistance:	IK09
Light source:	LED module	Ingress protection:	IP66
Rated power of the luminaire [W]:	49	Mounting version:	Top, on pole / Side, on boom
Supply voltage [V]:	220 - 240	Tilt angle adjustment [°]:	-5 to +15 (peak); -15 to +5 (side)
Frequency [Hz]:	50 - 60	Lateral surface (SCx) [m2]:	0.028
Luminous flux [lm]:	7900	Working temperature [°C]:	from -40 to +50
Luminous efficacy [lm/W]:	161	LED lifespan L90B10 [h]:	100000
Energy efficiency class:	B	DIMM DALI:	yes
Electrical protection class:	II	Control:	Yes + 5-stage power reduction
Colour temperature [K]:	4000	Protection type:	NTC
Colour rendering index:	> 70	Net weight [kg]:	5.200
SDCM:	≤ 5	ULOR:	0%
Power factor:	0.96	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Surge protection [kV]:	10	Technical Warranty:	5 with the possibility of extension to 10
Diffuser material:	toughened glass	Environmental Product Declaration (EPD):	682/2024
Diffuser type:	transparent	ENEC Certificate:	<a href="#">0356/ENEC/24/M1/A1;</a> <a href="#">0120/ENEC+24/M1/A1</a>
Optics material:	PMMA	CE certificate:	<a href="#">94/2023</a>
Optics:	RM3	Zhaga-D4i:	<a href="#">ZG407320042023</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)
UL00184	mounting grip 78 mm TIARA LED



wall holder (galvanized) (314049)



wall holder (grey) (314056)



mounting grip 78 mm TIARA LED (UL00184)

Card creation date: 30 October 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: 94/2023