

TIARA LED M PRO 7700LM 730 RM7 IP66 II CL. DALI NEMA (49W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	924040
Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	49
Luminous flux [lm]*:	7700
Colour temperature [K]:	3000
Color rendering index (Ra) >:	70
Electrical protection class:	II
Optics:	RM7
Socket type:	NEMA

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.

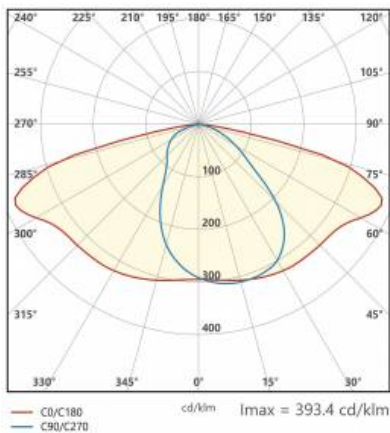
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Index:	924040	Colour of the body:	grey
EAN:	5905963924040	Dimensions (H/W/T/S) [mm]:	665/262/122
ETIM class:	EC000062	Mounting dimensions [mm]:	ø40-60
Category type:	street lighting	Impact resistance:	IK09
Version:	M NEMA	Ingress protection:	IP66
Light source:	LED module	Mounting version:	Top, on pole / Side, on boom
Rated power of the luminaire [W]:	49	Tilt angle adjustment [°]:	-5 to +15 (peak); -15 to +5 (side)
Supply voltage [V]:	220 - 240	Lateral surface (SCx) [m2]:	0.030
Frequency [Hz]:	50 - 60	Working temperature [°C]:	from -40 to +50
Luminous flux [lm]:	7700	DIMM DALI:	yes
Luminous efficacy [lm/W]:	157	Socket type:	NEMA
Energy efficiency class:	C	Sockets:	1
Electrical protection class:	II	Control:	Yes + 5-stage power reduction
Colour temperature [K]:	3000	Protection type:	NTC + ESD
Color rendering index (Ra) >:	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:	tempered glass	ENEC Certificate:	0356/ENEC/24/M1/A1 ; 0120/ENEC+/24/M1/A1
Diffuser type:	transparent	CE certificate:	94/2023
Optics material:	PMMA	Zhaga-D4i:	ZG407320042023
Optics:	RM7	Environmental Product Declaration (EPD):	682/2024
Exchangeable source:	yes	Manual:	Download PDF
Material of the body:	powder coated aluminium	ENEC Plus:	0120/ENEC+/24/M1/A1

LIGHT CURVES



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DETAILED CARD

ACCESSORIES AVAILABLE

index	Name
314049	wall holder (galvanized)
314056	wall holder (grey)
UL00184	mounting grip 74 mm TIARA LED



wall holder (galvanized) (314049)



wall holder (grey) (314056)



mounting grip 74 mm TIARA LED (UL00184)