

TIARA LED M PRO 9750LM 730 RW5 IP65 II CL. DALI LS RCR (70W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	924200
Ingress protection:	IP65
Impact resistance:	IK09
Rated power of the luminaire [W]*:	70
Luminous flux [lm]*:	9750
Colour temperature [K]:	3000
Colour rendering index:	> 70
Electrical protection class:	II
Optics:	RW5
Control:	Yes + 5-stage power reduction

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.

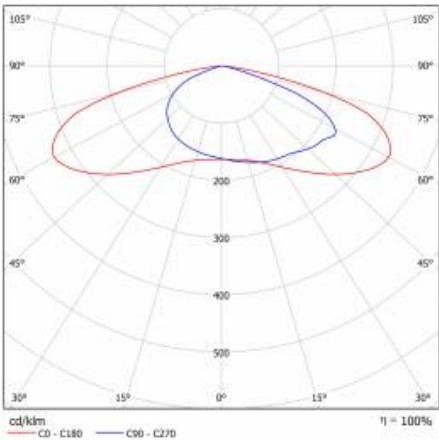
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TECHNICAL PARAMETERS TABLE

Index:	924200	Colour of the body:	grey
EAN:	5905963924200	Dimensions (H/W/T/S) [mm]:	665/122/262
ETIM class:	EC000062	Mounting dimensions [mm]:	ø60
Category type:	street lighting	Impact resistance:	IK09
Version:	M	Ingress protection:	IP65
Light source:	LED module	Mounting version:	Top, on pole / Side, on boom
Rated power of the luminaire [W]:	70	Beam angle adjustment [°]:	-5 to +15 (peak); -15 to +5 (side)
Supply voltage [V]:	220 - 240	Lateral surface (SCx) [m2]:	0.028
Frequency [Hz]:	50 - 60	Working temperature [°C]:	from -40 to +50
Luminous flux [lm]:	9750	LED lifespan L90B10 [h]:	100000
Luminous efficacy [lm/W]:	120	DIMM DALI:	yes
Energy efficiency class:	C	Socket type:	929000962406
Electrical protection class:	II	Control:	Yes + 5-stage power reduction
Colour temperature [K]:	3000	Motion sensor:	yes
Colour rendering index:	> 70	Dusk sensor:	yes
SDCM:	≤ 5	Protection type:	NTC
Power factor:	0.98	Knife switch:	yes
Surge protection [kV]:	10	Net weight [kg]:	5.200
Diffuser material:	toughened glass	Technical Warranty:	5 with the possibility of extension to 10
Diffuser type:	transparent	ULOR:	0%
Optics material:	PMMA	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Optics:	RW5	ENEC Certificate:	0228/ENEC/20/M1.0065/ENEC+/21/M1
Exchangeable source:	yes	CE certificate:	62/2023
Material of the body:	powder coated aluminium	Manual:	Download PDF

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: 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: 62/2023