

TIARA LED L PRO 12450LM 730 RM3 IP66 II CL. DALI (77W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	x
Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	8
Luminous flux [lm]*:	1075 - 42275
Colour temperature [K]:	2200 - 6500
Colour rendering index:	> 70; > 80
Electrical protection class:	I; II
Optics:	max RW9 5-stopniowa redukcja mocy; ON/OFF; Tak + 5- stopniowa redukcja mocy; nie; tak
Control:	

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:	x	Impact resistance:	IK09
EAN:	x	Ingress protection:	IP66
ETIM class:	EC000062	Mounting version:	Szczytowy, na słupie / Boczny, na wysięgniku
Category type:	street lighting	Beam angle adjustment [°]:	-5° do +15° (szczytowy); -15° do +5° (boczny)
Version:	max M ZHAGA	Lateral surface (SCx) [m2]:	0.028; 0.030; 0.034; 0.036
Light source:	moduł LED	Working temperature [°C]:	od -40 do +35; od -40 do +50
Rated power of the luminaire [W]:	8	LED lifespan L90B10 [h]:	100000
Supply voltage [V]:	220 - 240	DIMM DALI:	yes
Frequency [Hz]:	50 - 60	DIMM 1-10V:	yes
Luminous flux [lm]:	1075 - 42275	Phase dimming:	yes
Luminous efficacy [lm/W]:	101	Sockets:	1
Energy efficiency class:	B - E	Socket type:	NEMA; ZHAGA; 929000962206; 929000962406
Electrical protection class:	I; II	Control:	5-stopniowa redukcja mocy; ON/OFF; Tak + 5-stopniowa redukcja mocy; nie; tak
Colour temperature [K]:	2200 - 6500	Motion sensor:	yes
Colour rendering index:	> 70; > 80	Dusk sensor:	yes
SDCM:	≤ 5	Protection type:	NTC; NTC + warystor 10kV
Surge protection [kV]:	10	Knife switch:	yes
Operating mode:	1	Net weight [kg]:	5.200; 6.500
Diffuser material:	Szyba hartowana	Wire type:	H07RN-F 2x1.5mm
Diffuser type:	transparentny	Remarks:	Oprawa wyposażona w rozłącznik nożowy; Oprawa wyposażona w rozłącznik nożowy + przewód 0,9m zakończony szybkozłączką IP67; Złącze NEMA + rozłącznik nożowy na wyposażeniu; Złącze NEMA na wyposażeniu
Optics material:	PMMA	Technical Warranty:	10
Optics:	max RW9	ULOR:	0%
Exchangeable source:	yes	Photobiological safety:	grupa ryzyka 1 (niskie ryzyko)
Material of the body:	Aluminium malowane proszkowo	ENEC Certificate:	0228/ENEC/20/M1 ; 0065/ENEC+/21/M1
Colour of the body:	max szary RAL 9006	CE certificate:	62/2023 ; 63/2023 ; 66/2020 ; 94/2023 ; 95/2023
Dimensions (H/W/T/S) [mm]:	max 870/122/262	Manual:	Download PDF
Mounting dimensions [mm]:	ø60		

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: 63/2023



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