TIARA LED L PRO 23900LM 740 RM3 IP66 II CL. DALI (160W)

DETAILED CARD





TECHNICAL PARAMETERS

Index:	924866
Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	160
Luminous flux [lm]*:	23900
Colour temperature [K]:	4000
Colour rendering index:	70
Electrical protection class:	II
Optics:	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 Im/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 diecast aluminium, powder-coated grey, and have a very high IP66 protection rating and IKO9 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 disconnector 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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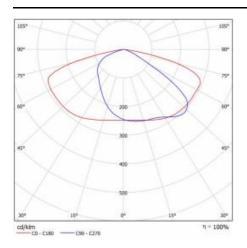
DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	924866
EAN:	5905963924866
ETIM class:	EC000062
Category type:	street lighting
Version:	L
Light source:	LED module
Rated power of the luminaire [W]:	160
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous flux [Im]:	23900
Luminous efficacy [lm/W]:	149
Energy efficiency class:	С
Electrical protection class:	II
Colour temperature [K]:	4000
Colour rendering index:	70
SDCM:	≤5
Surge protection [kV]:	10
Diffuser material:	tempered glass
Diffuser type:	transparent
Optics material:	PMMA
Optics:	RM3
Exchangeable source:	yes

Material of the body: Colour of the body: Dimensions (H/W/T/S) [mm]: Mounting dimensions [mm]: Impact resistance: Ingress protection: Mounting version: Tilt angle adjustment [°]: Lateral surface (SCx) [m2]: Working temperature [°C]: DIMM DALI: Control: Protection type: Net weight [kg]: ULOR: Photobiological safety: Technical Warranty: ENEC Certificate: Zhaga-D4i: Environmental Product Declaration (EPD): Mounting dimensions [mm]: 870/122/262 M60 870/122/262 M60 870/122/262 870/122/2024 870/122/262 870/122/2024 870/122/262 870/122/2024 870/122/2024 870/122/262 870/122/262 870/122/2024 870/122/262		
Dimensions (H/W/T/S) [mm]: Mounting dimensions [mm]: Impact resistance: Impact resistance: Ingress protection: Mounting version: Tilt angle adjustment [*]: Lateral surface (SCx) [m2]: Working temperature [*C]: DIMM DALI: Control: Protection type: Net weight [kg]: ULOR: Photobiological safety: Technical Warranty: ENEC Certificate: Dimensions (H/W/T/S) [mm]: ### 870/122/262 #### 870/122/262 ### 870/122/262 ### 870/122/262 ### 870/122/262 ##	Material of the body:	powder coated aluminium
Mounting dimensions [mm]: ø60 Impact resistance: IK09 Ingress protection: IP66 Mounting version: Top, on pole / Side, on boom Tilt angle adjustment [°]: -5 to +15 (peak); -15 to +5 (side) Lateral surface (SCx) [m2]: 0.034 Working temperature [°C]: from -40 to +50 DIMM DALI: yes Control: Yes + 5-stage power reduction Protection type: NTC + ESD Net weight [kg]: 6.500 ULOR: 0% Photobiological safety: nazard under normal behavioral limitation) Technical Warranty: 5 with the possibility of extension to 10 ENEC Certificate: 0356/ENEC/24/M1/A1; 0120/ENEC+/24/M1/A1; 0120/ENEC+/24/M1/A1 CE certificate: 95/2023 Zhaga-D4i: ZG407420042023 Environmental Product Declaration (EPD): 682/2024	Colour of the body:	grey
Impact resistance: Ingress protection: Ingress protection: Mounting version: Tilt angle adjustment [°]: Lateral surface (SCx) [m2]: Working temperature [°C]: DIMM DALI: Control: Protection type: Net weight [kg]: ULOR: Photobiological safety: Technical Warranty: ENEC Certificate: Ce certificate: Ze407420042023 Environmental Product Declaration (EPD): I to p, on pole / Side, on boom Top, on pole / Side, on po	Dimensions (H/W/T/S) [mm]:	870/122/262
Ingress protection: Mounting version: Tilt angle adjustment [°]: Lateral surface (SCx) [m2]: Working temperature [°C]: DIMM DALI: Control: Protection type: Net weight [kg]: ULOR: Photobiological safety: Technical Warranty: ENEC Certificate: Ce certificate: Zhaga-D4i: Environmental Product Declaration (EPD): To to +15 (peak); -15 to +5 (side) 0.034 From -40 to +50 yes Yes + 5-stage power reduction NTC + ESD 6.500 0% Risk Group 1 (no photobiological hazard under normal behavioral limitation) 5 with the possibility of extension to 10 0356/ENEC/24/M1/A1; 0120/ENEC+/24/M1/A1 2G407420042023 Environmental Product Declaration (EPD): 682/2024	Mounting dimensions [mm]:	ø60
Mounting version: Tilt angle adjustment [°]: Lateral surface (SCx) [m2]: Working temperature [°C]: DIMM DALI: Control: Protection type: NtC + ESD Net weight [kg]: ULOR: Photobiological safety: Technical Warranty: ENEC Certificate: Ce certificate: Zhaga-D4i: Environmental Product Declaration (EPD): To 0.034 from -40 to +50 yes 0.034 from -40 to +50 yes Control: Yes + 5-stage power reduction NTC + ESD Assume that the possibility of extension to 10 0356/ENEC/24/MI/A1; 0120/ENEC+/24/MI/A1 2G407420042023 Environmental Product Declaration (EPD): 682/2024	Impact resistance:	IK09
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Working temperature [°C]: DIMM DALI: yes Control: Yes + 5-stage power reduction NTC + ESD Net weight [kg]: 0% Risk Group 1 (no photobiological hazard under normal behavioral limitation) Technical Warranty: ENEC Certificate: 0356/ENEC/24/M1/A1: 0120/ENEC+/24/M1/A1 CE certificate: 25haga-D4i: Environmental Product Declaration (EPD): from -40 to +50 yes from -40 to +50 yes Extage power reduction NTC + ESD 6.500 W Risk Group 1 (no photobiological hazard under normal behavioral limitation) 5 with the possibility of extension to 10 2356/ENEC/24/M1/A1: 0120/ENEC+/24/M1/A1 CE certificate: 25407420042023 Environmental Product Declaration (EPD):	Tilt angle adjustment [°]:	-5 to +15 (peak); -15 to +5 (side)
DIMM DALI: Control: Yes + 5-stage power reduction Protection type: NTC + ESD Net weight [kg]: ULOR: O% Risk Group 1 (no photobiological hazard under normal behavioral limitation) Technical Warranty: ENEC Certificate: O356/ENEC/24/M1/A1; O120/ENEC+/24/M1/A1 CE certificate: 95/2023 Zhaga-D4i: Environmental Product Declaration (EPD): Yes + 5-stage power reduction NTC + ESD 6.500 O% Risk Group 1 (no photobiological hazard under normal behavioral limitation) Fo with the possibility of extension to 10 O356/ENEC/24/M1/A1; O120/ENEC+/24/M1/A1 CE certificate: 95/2023 ZG407420042023	Lateral surface (SCx) [m2]:	0.034
Control: Protection type: Net weight [kg]: ULOR: Photobiological safety: Technical Warranty: ENEC Certificate: CE certificate: Zhaga-D4i: Environmental Product Declaration (EPD): STEC (STEED) NTC + ESD 6.500 0% Risk Group 1 (no photobiological hazard under normal behavioral limitation) 5 with the possibility of extension to 10 0356/ENEC/24/MI/A1; 0120/ENEC+/24/MI/A1 ZG407420042023 Environmental Product Declaration (EPD): 682/2024	Working temperature [°C]:	from -40 to +50
Protection type: Net weight [kg]: O% Risk Group 1 (no photobiological hazard under normal behavioral limitation) Technical Warranty: ENEC Certificate: CE certificate: Zhaga-D4i: Environmental Product Declaration (EPD): NTC + ESD 6.500 Risk Group 1 (no photobiological hazard under normal behavioral limitation) 5 with the possibility of extension to 10 0356/ENEC/24/MI/A1; 0120/ENEC+/24/MI/A1 2G407420042023 Environmental Product Declaration (EPD):	DIMM DALI:	yes
Net weight [kg]: ULOR: Photobiological safety: Technical Warranty: ENEC Certificate: CE certificate: Zhaga-D4i: Environmental Product Declaration (EPD): 6.500 Risk Group 1 (no photobiological hazard under normal behavioral limitation) 5 with the possibility of extension to 10 0.356/ENEC/24/M1/A1; 0.120/ENEC+/24/M1/A1 ZG407420042023 Environmental Product Declaration (EPD): 6.500	Control:	Yes + 5-stage power reduction
ULOR: Photobiological safety: Technical Warranty: ENEC Certificate: CE certificate: Thaga-D4i: Environmental Product Declaration (EPD): O Risk Group 1 (no photobiological hazard under normal behavioral limitation) 5 with the possibility of extension to 10 0356/ENEC/24/M1/A1; 0120/ENEC+/24/M1/A1 26407420042023 Environmental Product Declaration (EPD): 682/2024	Protection type:	NTC + ESD
Photobiological safety: Risk Group 1 (no photobiological hazard under normal behavioral limitation) Technical Warranty: ENEC Certificate: CE certificate: Zhaga-D4i: Environmental Product Declaration (EPD): Risk Group 1 (no photobiological hazard under normal penavioral limitation) 5 with the possibility of extension to 10 0356/ENEC/24/MI/A1; 0120/ENEC+/24/MI/A1 0120/ENEC+/24/MI/A1 2G407420042023 Environmental Product Declaration (EPD):	Net weight [kg]:	6.500
Photobiological safety: hazard under normal behavioral limitation) 5 with the possibility of extension to 10 ENEC Certificate: CE certificate: 25/2023 Zhaga-D4i: Environmental Product Declaration (EPD):	ULOR:	0%
ENEC Certificate: extension to 10	Photobiological safety:	hazard under normal behavioral
ENEC Certificate: 0120/ENEC+/24/M1/A1 CE certificate: 95/2023 Zhaga-D4i: ZG407420042023 Environmental Product Declaration (EPD): 682/2024	Technical Warranty:	, ,
Zhaga-D4i: ZG407420042023 Environmental Product Declaration (EPD): 682/2024	ENEC Certificate:	
Environmental Product Declaration (EPD): 682/2024	CE certificate:	95/2023
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Manual: Download PDF	Environmental Product Declaration (EPD):	<u>682/2024</u>
	Manual:	Download PDF

LIGHT CURVES





TIARA LED L PRO 23900LM 740 RM3 IP66 II CL. DALI (160W)

DETAILED CARD

ACCESSORIES AVAILABLE

index	Name
314049	wall holder (galvanized)
314056	wall holder (grey)
UL00184	mounting grip 78 mm TIARA LED







wall holder (grey) (314056)



mounting grip 78 mm TIARA LED (UL00184)

Card creation date: 03 June 2025

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%

