## TIARA LED M PRO 1825LM 740 RM3 IP66 II CL. DALI (12W)

**DETAILED CARD** 





### **TECHNICAL PARAMETERS**

Index:	982767
Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	12
Luminous flux [lm]*:	1825
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 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 diecast 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 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, municipallities, housing estates, area lighting. Optics are also available to illuminate: pedestrian crossings, pavements and cycle paths.



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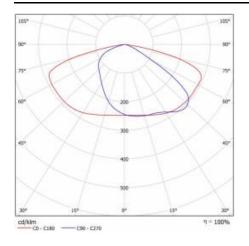
**DETAILED CARD** 

#### **TECHNICAL PARAMETERS TABLE**

Index:	982767
EAN:	5905963982767
ETIM class:	EC000062
Category type:	street lighting
Version:	M
Light source:	LED module
Rated power of the luminaire [W]:	12
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous flux [Im]:	1825
Luminous efficacy [lm/W]:	152
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:  Impact		
Dimensions (H/W/T/S) [mm]:  665/262/122  Mounting dimensions [mm]:  Impact resistance:  Ingress protection:  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:  Dimensions (H/W/T/S) [mm]:  665/262/122  660  IK09  IK09  IP66  Top, on pole / Side, on boom  7 op. 0 pole / Side, on boom  8 op. 0 pole / Side, on boom  7 op. 0 pole / Side, on boom  8 op. 0 pole / Side, on boom  7 op. 0 pole / Side, on boom  8 op. 0 pole / Side, on boom  7 op. 0 pole / Side, on boom  8 op. 0 pole / Side, on boom  7 op. 0 pole / Side, on boom  8 op. 0 pole / Side, on boom  7 op. 0 pole / Side, on boom  8 op. 0 pole / Side, on boom  9 op. 0 pole / Side, on boom  7 op. 0 pole / Side, on boom  7 op. 0 pole / Side, on boom  7 op. 0 pole / Side, on boom  8 op. 0 pole / Side, on boom  7 op. 0 pole / Side, on boom  8 op. 0 pole / Side, on boom  9 op. 0 p	Material of the body:	powder coated aluminium
Mounting dimensions [mm]:    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]:   0.028     Working temperature [°C]:   from -40 to +50     DIMM DALI:   yes     Control:   Yes + 5-stage power reduction     Protection type:   NTC + ESD     Net weight [kg]:   5.200     ULOR:   0%     Photobiological safety:   Risk Group 1 (no photobiological hazard under normal behavioral limitation)     Technical Warranty:   5 with the possibility of extension to 10     O356/ENEC/24/M1/A1:   O120/ENEC+/24/M1/A1     O120/ENEC+/24/M1/A1   24/2023     Zhaga-D4i:   ZG407320042023     Environmental Product Declaration (EPD):	Colour of the body:	grey
Impact resistance: Ingress protection:  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:  Dime With the possibility of extension to 10  0356/ENEC/24/MI/A1; 0120/ENEC+/24/MI/A1  CE certificate:  Zhaga-D4i: Environmental Product Declaration (EPD):  Ito p, on pole / Side, on boom  Top, on pole / Side, on pole / Side /	Dimensions (H/W/T/S) [mm]:	665/262/122
Ingress protection:  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:  Dimedia Signary (Septimental Product Declaration (EPD):  It angle adjustment [°]:  -5 to +15 (peak); -15 to +5 (side)  0.028  from -40 to +50  yes  Yes + 5-stage power reduction  NTC + ESD  NTC + ESD  S.200  Whith the possibility of extension to 10  0356/ENEC/24/M1/A1; 0120/ENEC+/24/M1/A1  2G407320042023  Environmental Product Declaration (EPD):  ENEC Certificate:  5 to +15 (peak); -15 to +5 (side)  0.028  From -40 to +50  Yes + 5-stage power reduction  O%  Sisk Group 1 (no photobiological hazard under normal behavioral limitation)  S with the possibility of extension to 10  0356/ENEC/24/M1/A1; 0120/ENEC+/24/M1/A1  O120/ENEC+/24/M1/A1  Septimental Product Declaration (EPD):	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 0.028  from -40 to +50  yes  Yes + 5-stage power reduction  NTC + ESD  NTC + ESD  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  ZG407320042023  Environmental Product Declaration (EPD):	Impact resistance:	IK09
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):  0.028  from -40 to +50  yes  From -40 to +50  yes  Yes + 5-stage power reduction  NTC + ESD  NTC + ESD  8.200  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  CE certificate:  24/2023  ZG407320042023  Environmental Product Declaration (EPD):	Ingress protection:	IP66
Lateral surface (SCx) [m2]:  Working temperature [°C]:  DIMM DALI:  yes  Control:  Yes + 5-stage power reduction  NTC + ESD  Net weight [kg]:  ULOR:  Photobiological safety:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  CE certificate:  Zhaga-D4i:  Environmental Product Declaration (EPD):  from -40 to +50  yes  from -40 to +50  yes  Yes + 5-stage power reduction  NTC + ESD  NET C + ESD  NTC + ESD  NTC + ESD  NTC + ESD  Sisk 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  2G407320042023  Environmental Product Declaration (EPD):	Mounting version:	Top, on pole / Side, on boom
Working temperature [°C]:  DIMM DALI:  yes  Control:  Yes + 5-stage power reduction  NTC + ESD  Net weight [kg]:  ULOR:  Photobiological safety:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  Diagram of the possibility of extension to 10  0356/ENEC/24/M1/A1: 0120/ENEC+/24/M1/A1  CE certificate:  24/2023  Zhaga-D4i:  Environmental Product Declaration (EPD):  from -40 to +50  yes  from -40 to +50  yes  Stage power reduction  NTC + ESD  8.200  With the photobiological hazard under normal behavioral limitation)  5 with the possibility of extension to 10  0356/ENEC/24/M1/A1: 0120/ENEC+/24/M1/A1  CE certificate:  94/2023  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:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  CE certificate:  Zhaga-D4i:  Environmental Product Declaration (EPD):  Yes + 5-stage power reduction  NTC + ESD  S.200  O%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  S with the possibility of extension to 10  O356/ENEC/24/MI/A1; O120/ENEC+/24/MI/A1  CE certificate:  94/2023  ZG407320042023  Environmental Product Declaration (EPD):	Lateral surface (SCx) [m2]:	0.028
Control:  Yes + 5-stage power reduction  Protection type:  NTC + ESD  S.200  ULOR:  O%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  Technical Warranty:  ENEC Certificate:  O356/ENEC/24/MI/A1; O120/ENEC+/24/MI/A1  CE certificate:  24/2023  Zhaga-D4i:  Environmental Product Declaration (EPD):  STORY  ATTENDATION  O356/ENEC/24/MI/A1  O120/ENEC+/24/MI/A1  O120/ENEC+/24/MI/A1  O120/ENEC+/24/MI/A1  O120/ENEC+/24/MI/A1	Working temperature [°C]:	from -40 to +50
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 O120/ENEC+/24/M1/A1  CE certificate:  Zhaga-D4i:  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):  5.200  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  ZG407320042023  Environmental Product Declaration (EPD):  682/2024	Control:	Yes + 5-stage power reduction
ULOR:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  CE certificate:  Zhaga-D4i:  Environmental Product Declaration (EPD):  O%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  Swith the possibility of extension to 10  0356/ENEC/24/MI/A1; 0120/ENEC+/24/MI/A1  2G407320042023  Zhaga-D4i:  Environmental Product Declaration (EPD):	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 pehavioral limitation)  5 with the possibility of extension to 10  0356/ENEC/24/M1/A1; 0120/ENEC/24/M1/A1  2G407320042023  Environmental Product Declaration (EPD):	Net weight [kg]:	5.200
Photobiological safety:  hazard under normal behavioral limitation)  5 with the possibility of extension to 10  ENEC Certificate:  CE certificate:  2/4/2023  Zhaga-D4i:  Environmental Product Declaration (EPD):  hazard under normal behavioral limitation)  5 with the possibility of extension to 10  0356/ENEC/24/M1/A1; 0120/ENEC+/24/M1/A1  2/4/2023  2/4/2023  Environmental Product Declaration (EPD):	ULOR:	0%
extension to 10	Photobiological safety:	hazard under normal behavioral
O120/ENEC+/24/M1/A1	Technical Warranty:	
Zhaga-D4i:         ZG407320042023           Environmental Product Declaration (EPD):         682/2024	ENEC Certificate:	
Environmental Product Declaration (EPD): 682/2024	CE certificate:	94/2023
· · ·   ——	Zhaga-D4i:	ZG407320042023
Manual: Download PDF	Environmental Product Declaration (EPD):	<u>682/2024</u>
	Manual:	Download PDF

### **LIGHT CURVES**





# TIARA LED M PRO 1825LM 740 RM3 IP66 II CL. DALI (12W)

**DETAILED CARD** 

#### **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: 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%

