### TIARA LED L PRO 22400LM 740 RM3 IP66 II CL. DALI (150W)

**DETAILED CARD** 





### **TECHNICAL PARAMETERS**

Index:	924842
Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	150
Luminous flux [lm]*:	22400
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.



## TIARA LED L PRO 22400LM 740 RM3 IP66 II CL. DALI (150W)

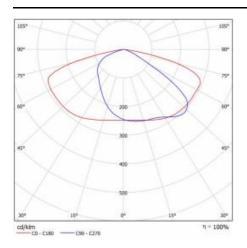
**DETAILED CARD** 

### **TECHNICAL PARAMETERS TABLE**

Index:	924842
EAN:	5905963924842
ETIM class:	EC000062
Category type:	street lighting
Version:	L
Light source:	LED module
Rated power of the luminaire [W]:	150
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous flux [Im]:	22400
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  BK709  BK7		
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]:  Photobiological safety:  Technical Warranty:  ENEC Certificate:  CE certificate:  ZG407420042023  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 the power reduction  Top, on pole / Side, on boom  5 with to +5 (side)  10.034  From -40 to +50  Yes  From -40 to +50  Yes  From -40 to +50  Yes  Yes + 5-stage power reduction  NTC + ESD  Assume the power reduction  Swith the possibility of extension to 10  0356/ENEC/24/MI/A1; 0120/ENEC+/24/MI/A1  O120/ENEC+/24/MI/A1  Summer than 2 General Side (Summer	Impact resistance:	IK09
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:  ZG407420042023  Environmental Product Declaration (EPD):  0.034  from -40 to +50  yes  From -40 to +50  yes  A. Son -40 to +50  Yes + 5-stage power reduction  Yes + 5-stage power reduction  ATC + ESD  6.500  0%  Risk Group 1 (no photobiological hazard under normal behavioral limitation)  5 with the possibility of extension to 10  0.356/ENEC/24/MI/A1; 0120/ENEC+/24/MI/A1  CE certificate:  2682/2024	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:  Technical Warranty:  ENEC Certificate:  Ce certificate:  Zhaga-D4i:  Environmental Product Declaration (EPD):  from -40 to +50  yes  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 version:	Top, on pole / Side, on boom
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  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
· · · · · · · · · · · · · · · · · · ·	Zhaga-D4i:	ZG407420042023
Manual: Download PDF	Environmental Product Declaration (EPD):	<u>682/2024</u>
	Manual:	Download PDF

### **LIGHT CURVES**





# TIARA LED L PRO 22400LM 740 RM3 IP66 II CL. DALI (150W)

**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%

