

# TIARA LED M PRO 13450LM 740 RM3 IP66 I CL. DALI (108W)

## DETAILED CARD



### TECHNICAL PARAMETERS

Index:	960222
Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	108
Luminous flux [lm]*:	13450
Colour temperature [K]:	4000
Colour rendering index:	> 70
Electrical protection class:	I
Optics:	RM3
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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Index:	960222	Exchangeable source:	yes
EAN:	5905963960222	Material of the body:	powder coated aluminium
ETIM class:	EC000062	Colour of the body:	grey
Category type:	street lighting	Dimensions (H/W/T/S) [mm]:	665/122/262
Version:	M	Mounting dimensions [mm]:	ø60
Light source:	LED module	Impact resistance:	IK09
Rated power of the luminaire [W]:	108	Ingress protection:	IP66
Supply voltage [V]:	220 - 240	Mounting version:	Top, on pole / Side, on boom
Frequency [Hz]:	50 - 60	Beam angle adjustment [°]:	-5 to +15 (peak); -15 to +5 (side)
Luminous flux [lm]:	13450	Lateral surface (SCx) [m2]:	0.028
Luminous efficacy [lm/W]:	125	Working temperature [°C]:	from -40 to +50
Energy efficiency class:	D	LED lifespan L90B10 [h]:	100000
Electrical protection class:	I	DIMM DALI:	yes
Colour temperature [K]:	4000	Control:	Yes + 5-stage power reduction
Colour rendering index:	> 70	Protection type:	NTC
SDCM:	≤ 5	Net weight [kg]:	5.200
Power factor:	0.97	Technical Warranty:	5 with the possibility of extension to 10
Surge protection [kV]:	10	ULOR:	0%
Diffuser material:	toughened glass	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Diffuser type:	transparent	ENEC Certificate:	<a href="#">0228/ENEC/20/M1</a>
Optics material:	PMMA	CE certificate:	<a href="#">0065/ENEC+/21/M1</a>
Optics:	RM3	Manual:	<a href="#">62/2023</a> <a href="#">Download PDF</a>

## 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)