TIARA LED PRO

GENERAL CARD



TECHNICAL PARAMETERS

Version:	M
Material of the body:	powder coated aluminium
Diffuser material:	tempered glass
Ingress protection:	IP66
Impact resistance:	IK09
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Rated power of the luminaire [W]*:	8 - 330
Luminous flux [lm]*:	1075 - 46325
Luminous efficacy [lm/W]:	101 - 181
Energy efficiency class:	A - E
Electrical protection class:	I; II
Colour temperature [K]:	2200 - 6500
Color rendering index (Ra) >:	> 70; > 80
Tilt angle adjustment [°]:	-15 to +5 (side); -5 to +15 (peak)
Technical Warranty:	5 with the possibility of extension to 10

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 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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AVAILABLE VERSIONS


Click index >>, to see details

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Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Color rendering index (Ra) >	Electrical protection class	Optics	DIMM DALI	Version	Index
8	1250	156	C	4000	70	II	RM3	yes	M	>> 982743
10	1550	155	C	4000	70	II	RM3	yes	M	>> 982750
12	1825	152	C	4000	70	II	RM3	yes	M	>> 982767
14	2100	150	C	4000	70	II	RM3	yes	M	>> 982774
15	2225	148	C	4000	70	II	RM3	yes	M	>> 982781
18	2850	158	B	4000	70	II	RM3	yes	M	>> 954580
20	3300	165	B	4000	70	II	RM3	yes	M	>> 962677
21	3200	152	C	4000	70	II	RM3	yes	M	>> 962684
26	3950	152	C	4000	70	II	RM3	yes	M	>> 954597
30	4750	158	B	4000	70	II	RM3	yes	M	>> 962707
31	4650	150	C	4000	70	II	RM3	yes	M	>> 962714
32	5250	164	B	4000	70	II	RM3	yes	M	>> 962721
34	5400	159	B	4000	70	II	RM3	yes	M	>> 962738
35	5675	162	B	4000	70	II	RM3	yes	M	>> 962745
36	5400	150	C	4000	70	II	RM3	yes	M	>> 962264
37	5075	137	C	4000	70	II	RM3	yes	M	>> 954603
39	6375	163	B	4000	70	II	RM3	yes	M	>> 962769
43	6975	162	B	4000	70	II	RM3	yes	M	>> 962776
49	7900	161	B	4000	70	II	RM3	yes	M	>> 962783
52	7675	148	C	4000	70	II	RM3	yes	M	>> 954627
54	8475	157	C	4000	70	II	RM3	yes	M	>> 954641
59	9350	158	B	4000	70	II	RM3	yes	M	>> 962790
63	9925	158	B	4000	70	II	RM3	yes	M	>> 962301
69	10825	157	C	4000	70	II	RM3	yes	M	>> 962806
76	10375	137	C	4000	70	II	RM3	yes	M	>> 954634
78	11500	147	C	4000	70	II	RM3	yes	M	>> 954658
85	12350	145	C	4000	70	II	RM3	yes	M	>> 962325
89	12925	145	C	4000	70	II	RM3	yes	M	>> 962820
94	13650	145	C	4000	70	II	RM3	yes	M	>> 962332
98	14225	145	C	4000	70	II	RM3	yes	M	>> 960215
110	14950	136	D	4000	70	II	RM3	yes	M	>> 954665
118	15725	133	D	4000	70	II	RM3	yes	M	>> 960253
126	16875	134	D	4000	70	II	RM3	yes	M	>> 960277

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Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Color rendering index (Ra) >	Electrical protection class	Optics	DIMM DALI	Version	Index
140	18500	132	D	4000	70	II	RM3	yes	M	>> 960291
157	20125	128	D	4000	70	II	RM3	yes	M	>> 960314
160	21525	135	D	4000	70	II	RM3	yes	M	>> 924798
167	22150	133	D	4000	70	II	RM3	yes	M	>> 960338
170	22550	133	D	4000	70	II	RM3	yes	M	>> 924804
175	22925	131	D	4000	70	II	RM3	yes	M	>> 924811

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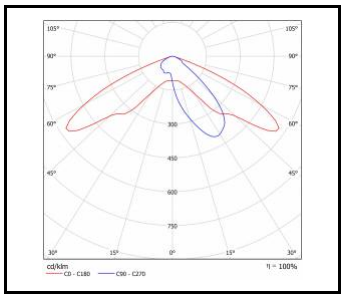
LUMINOUS INTENSITY DISTRIB. CURVE



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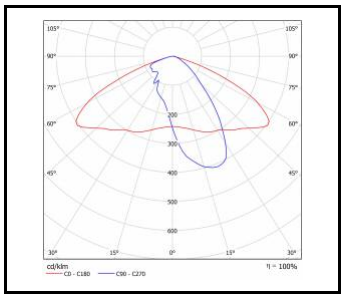

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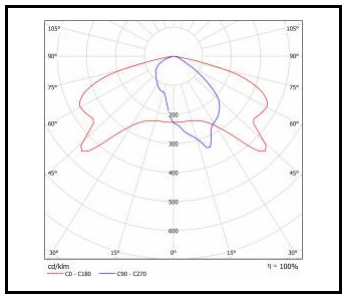

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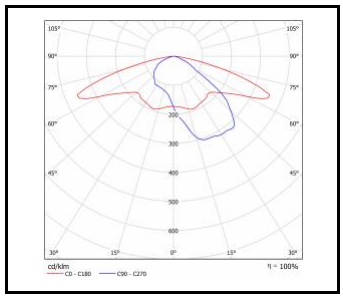

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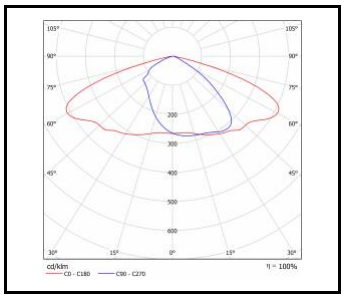

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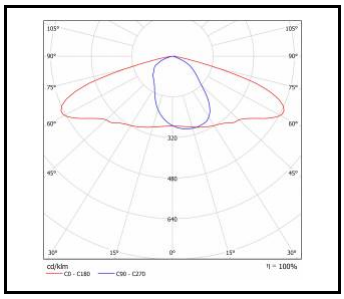

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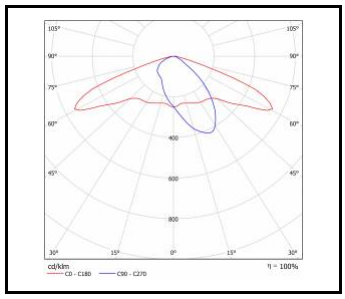

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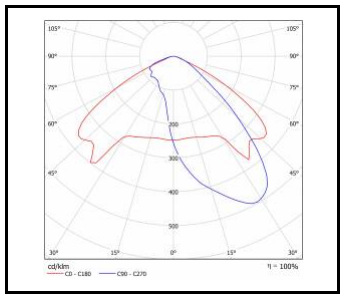

RMWHE

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ACCESSORIES AVAILABLE

index	Name
WSEL431	HAI HD05R RC Programming Remote Control for HD0406VRH IoT
	wall holder (grey)
UL00184	mounting grip 74 mm TIARA LED
	wall holder (galvanized)



HAI HD05R RC Programming Remote Control for HD0406VRH IoT (WSEL431)



wall holder (grey) (314056)



mounting grip 74 mm TIARA LED (UL00184)



wall holder (galvanized) (314049)

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 andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 66/2020; 94/2023; 95/2023

LENA LIGHTING

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