TIARA 2 LED S

GENERAL CARD



TECHNICAL PARAMETERS

Version:	S
Material of the body:	powder coated aluminium
Diffuser material:	tempered glass
Ingress protection:	IP66
Impact resistance:	IK10
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Rated power of the luminaire [W]*:	8 - 109
Luminous flux [lm]*:	1075 - 16150
Luminous efficacy [lm/W]:	103 - 178
Energy efficiency class:	A - E
Electrical protection class:	I; II
Colour temperature [K]:	2200 - 6500
Color rendering index (Ra) >:	> 70; > 80
Tilt angle adjustment [°]:	from -30 to +120 (peak) and -120 to +30 (side) in 5° degrees increments
Technical Warranty:	5 with the possibility of extension to 10

CHARACTERISTICS

TIARA 2 LED a new generation of LED road luminaires. It uses directional multi-lens arrays made of PMMA, with each lens having the same optics, ensuring that the light characteristics remain constant over time. The luminaire's dual-chamber design maintains the integrity of the optical chamber during installation work and the opening of the electrical chamber. As standard, the luminaire offers tool-free access to the electrical fixtures using two independent clips, which, if desired and needed to protect against vandalism or uncontrolled opening, can optionally be permanently secured with screws or a seal. The upper part of the luminaire, has dedicated hinges and a safety cable to prevent falling. Using standard tools, quick and convenient service is possible, allowing replacement of any component without the need to disassemble the entire fixture and make soldered connections. The body and handle made of die-cast aluminum, powder-coated in gray, is characterized by a very high degree of IP66 and IK10 impact resistance. Standard features: ergonomic light module suspension system; NTC luminaire accidental overheating protection; fully programmable DALI driver; available functions for maintaining constant lumen output during CLO and autonomous 5-stage power reduction; filter to prevent condensation; connection terminals; tool-free access. Additional options: NEMA, ZHAGA connectors; interfacing with control systems, RCR motion sensor; anti-vandal protection with screws/seal; additional SP10kV protection outside the power supply, on/off power supply without power reduction function; knife disconnect switch that disconnects voltage if the electrical compartment is opened; design with cable terminated with quick disconnect; painting in any RAL color. Certifications: CE, RoHS, ENEC, ENEC+, Zhaga D4i, DarkSky.

APPLICATION

Thanks to the use of dedicated optics, it is possible to illuminate objects such as: highways, expressways, national, provincial, county, municipal, city, neighborhood, area lighting. Optics are also available to illuminate: pedestrian crossings, sidewalks and bicycle paths.

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AVAILABLE VERSIONS

Click index >>, to see details

Tiara 2 LED S

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	Index
8	1225	153	C	4000	70	II	RM7	yes	>> 988653
10	1550	155	C	4000	70	II	RM7	yes	>> 988660
12	1850	154	C	4000	70	II	RM7	yes	>> 988677
14	2150	153	C	4000	70	II	RM7	yes	>> 988684
15	2250	150	C	4000	70	II	RM7	yes	>> 988691
16	2475	154	C	4000	70	II	RM7	yes	>> 988783
18	2800	155	C	4000	70	II	RM7	yes	>> 988707
21	3175	151	C	4000	70	II	RM7	yes	>> 988790
23	3450	150	C	4000	70	II	RM7	yes	>> 988714
24	3575	148	C	4000	70	II	RM7	yes	>> 988806
25	4125	165	B	4000	70	II	RM7	yes	>> 988721
26	4275	164	B	4000	70	II	RM7	yes	>> 988813
28	4575	163	B	4000	70	II	RM7	yes	>> 988738
29	4725	162	B	4000	70	II	RM7	yes	>> 988820
30	4885	162	C	4000	70	II	RM7	yes	>> 988745
31	5025	162	B	4000	70	II	RM7	yes	>> 988837
33	5350	162	B	4000	70	II	RM7	yes	>> 988752
34	5525	162	B	4000	70	II	RM7	yes	>> 988844
35	5650	161	B	4000	70	II	RM7	yes	>> 988769
36	5800	161	B	4000	70	II	RM7	yes	>> 988851
37	5950	160	B	4000	70	II	RM7	yes	>> 988776
39	6275	160	B	4000	70	II	RM7	yes	>> 988868
47	7350	156	C	4000	70	II	RM7	yes	>> 988882
50	7800	156	C	4000	70	II	RM7	yes	>> 988899
52	8075	155	C	4000	70	II	RM7	yes	>> 988905
61	9300	152	C	4000	70	II	RM7	yes	>> 988912
65	9875	151	C	4000	70	II	RM7	yes	>> 988929
70	10525	150	C	4000	70	II	RM7	yes	>> 988936
76	11350	149	C	4000	70	II	RM7	yes	>> 988943
80	11775	147	C	4000	70	II	RM7	yes	>> 988950
84	12100	144	C	4000	70	II	RM7	yes	>> 988967
89	12625	141	C	4000	70	II	RM7	yes	>> 988974
99	13750	138	C	4000	70	II	RM7	yes	>> 988981

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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	Index
109	14475	132	D	4000	70	II	RM7	yes	>> 988998

Tiara 2 LED S HE

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	Index
8	1300	162	C	4000	70	II	RM7HE	yes	>> 434006
10	1625	162	C	4000	70	II	RM7HE	yes	>> 434013
12	1950	162	C	4000	70	II	RM7HE	yes	>> 434020
14	2275	162	B	4000	70	II	RM7HE	yes	>> 434037
15	2575	171	B	4000	70	II	RM7HE	yes	>> 434044
16	2625	164	B	4000	70	II	RM7HE	yes	>> 434051
18	2975	165	B	4000	70	II	RM7HE	yes	>> 434068
21	3375	160	B	4000	70	II	RM7HE	yes	>> 434075
23	3625	157	B	4000	70	II	RM7HE	yes	>> 434082
24	3825	159	B	4000	70	II	RM7HE	yes	>> 434099
25	4525	181	A	4000	70	II	RM7HE	yes	>> 434105
26	4700	180	A	4000	70	II	RM7HE	yes	>> 434112
28	5050	180	A	4000	70	II	RM7HE	yes	>> 434129
29	5200	179	A	4000	70	II	RM7HE	yes	>> 434136
30	5375	179	A	4000	70	II	RM7HE	yes	>> 434143
31	5575	179	A	4000	70	II	RM7HE	yes	>> 434150
33	5900	178	B	4000	70	II	RM7HE	yes	>> 434167
34	6075	178	B	4000	70	II	RM7HE	yes	>> 434174
35	6250	178	B	4000	70	II	RM7HE	yes	>> 434181
36	6425	178	B	4000	70	II	RM7HE	yes	>> 434198
37	6575	177	C	4000	70	II	RM7HE	yes	>> 434204
39	6900	176	B	4000	70	II	RM7HE	yes	>> 434211
44	7525	171	B	4000	70	II	RM7HE	yes	>> 434228
47	8075	171	B	4000	70	II	RM7HE	yes	>> 434235
50	8575	171	B	4000	70	II	RM7HE	yes	>> 434242
52	8875	171	B	4000	70	II	RM7HE	yes	>> 434259
61	10250	168	B	4000	70	II	RM7HE	yes	>> 862205
65	10800	166	B	4000	70	II	RM7HE	yes	>> 862212
70	11550	165	B	4000	70	II	RM7HE	yes	>> 862229
76	12375	162	B	4000	70	II	RM7HE	yes	>> 862236
80	12475	155	B	4000	70	II	RM7HE	yes	>> 862243
84	13225	158	B	4000	70	II	RM7HE	yes	>> 862250
89	13375	150	C	4000	70	II	RM7HE	yes	>> 862267
99	14575	147	C	4000	70	II	RM7HE	yes	>> 862274

TIARA 2 LED S

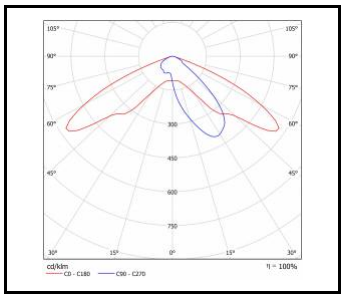
GENERAL CARD

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	Index
109	15375	141	C	4000	70	II	RM7HE	yes	>> 862281

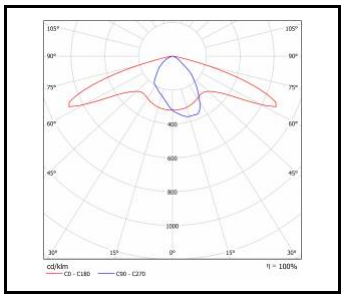
TIARA 2 LED S

GENERAL CARD

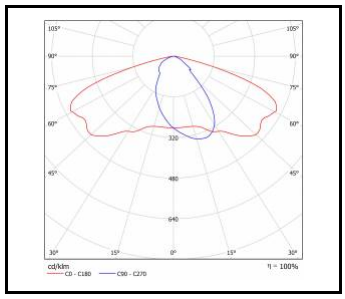
LUMINOUS INTENSITY DISTRIB. CURVE



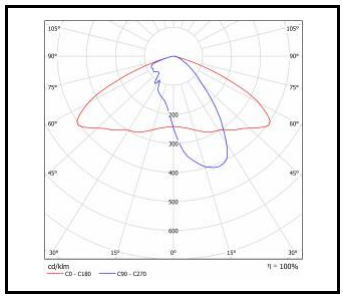
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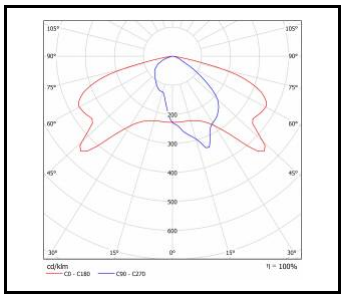
RM12HE



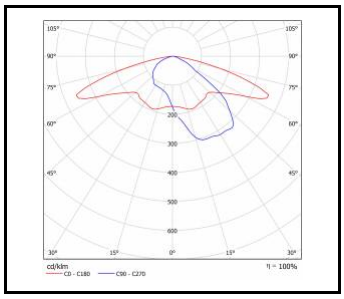
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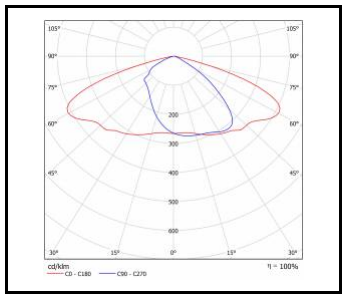
RM16HE



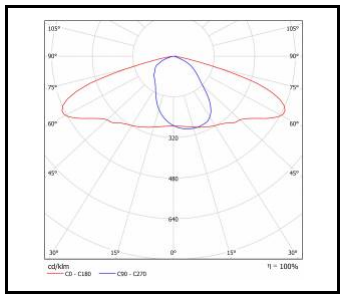
RM18HE



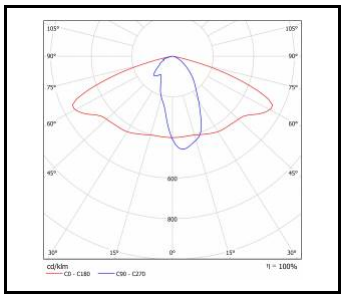
RM19HE



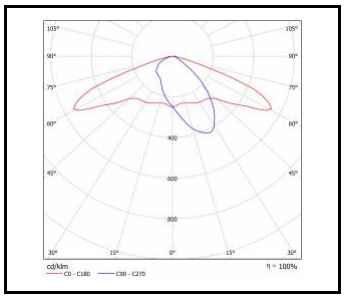
RM3HE



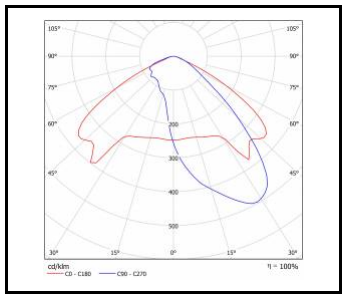
RM7HE



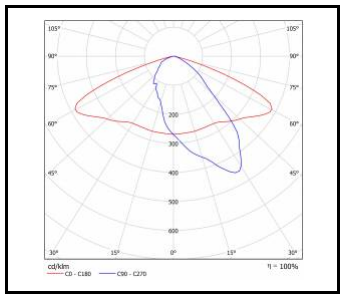
RM8HE



RM9HE



RMWHE



RW2HE

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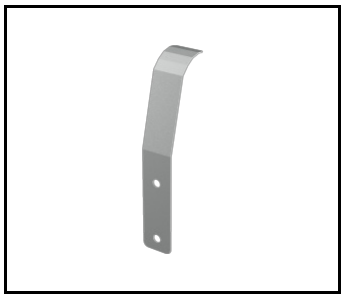
GENERAL CARD

ACCESSORIES AVAILABLE

index	Name
804625	TIARA 2 LED Adjustable bracket Dark Sky diameter 64 mm grey
989766	Tiara 2 LED 64mm handle cover
	wall holder (grey)
WSEL431	HAI HD05R RC Programming Remote Control for HD0406VRH IoT
813443	Backshield P (right) Tiara 2 LED S RAL9006
813450	Backshield L (left) Tiara 2 LED S RAL9006
813436	Backshield T (back) Tiara 2 LED S RAL9006
	wall holder (galvanized)
UL01350	Handle fi 76mm for Tiara 2 LED M and Tiara 2 LED S



TIARA 2 LED Adjustable bracket Dark Sky diameter 64 mm grey (804625)



Tiara 2 LED 64mm handle cover (989766)



wall holder (grey) (314056)



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



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: 25/2025; 64/2023; 91/2023

LENA LIGHTING

Lena Lighting S.A.
ul. Kórnicka 52, 63-000 Środa Wielkopolska
tel. +48 61 28 60 333 (Pn-Pt, 8-16), e-mail: hello@lenalighting.pl, www.lenalighting.pl