

TIARA 2 LED S

GENERAL CARD



TECHNICAL PARAMETERS

Version:	S; S NEMA; S ZHAGA
Material of the body:	powder coated aluminium
Diffuser material:	toughened glass
Ingress protection:	IP66
Impact resistance:	IK09
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Rated power of the luminaire [W]*:	8 - 109
Luminous flux [lm]*:	1075 - 13200
Luminous efficacy [lm/W]:	103 - 182
Energy efficiency class:	A - E
Electrical protection class:	I; II
Colour temperature [K]:	2200 - 6500
Colour rendering index:	> 70; > 80
Tilt angle adjustment [°]:	-120° to +30° (side); -30° to +120° (peak)
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 IK09 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.

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

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Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Colour rendering index	Electrical protection class	Optics	DIMM DALI	Index
8	1250	156	C	4000	> 70	II	RM7	yes	>> 988653
10	1550	155	C	4000	> 70	II	RM7	yes	>> 988660
12	1825	152	C	4000	> 70	II	RM7	yes	>> 988677
14	2100	150	C	4000	> 70	II	RM7	yes	>> 988684
15	2225	148	C	4000	> 70	II	RM7	yes	>> 988691
16	2525	158	B	4000	> 70	II	RM7	yes	>> 988783
18	2850	158	B	4000	> 70	II	RM7	yes	>> 988707
21	3200	152	C	4000	> 70	II	RM7	yes	>> 988790
23	3225	140	C	4000	> 70	II	RM7	yes	>> 988714
24	3650	152	C	4000	> 70	II	RM7	yes	>> 988806
25	3475	139	C	4000	> 70	II	RM7	yes	>> 988721
26	3950	152	C	4000	> 70	II	RM7	yes	>> 988813
28	3875	138	C	4000	> 70	II	RM7	yes	>> 988738
29	4350	150	C	4000	> 70	II	RM7	yes	>> 988820
30	4050	135	D	4000	> 70	II	RM7	yes	>> 988745
31	4325	140	C	4000	> 80	II	RM7	yes	>> 988837/DGH
31	4650	150	C	4000	> 70	II	RM7	yes	>> 988837
33	4375	133	D	4000	> 70	II	RM7	yes	>> 988752
33	4375	133	D	4000	> 70	I	RM7	yes	>> 916212
34	5025	148	C	4000	> 70	II	RM7	yes	>> 988844
35	4675	134	D	4000	> 70	II	RM7	yes	>> 988769
36	5400	150	C	4000	> 70	II	RM7	yes	>> 988851
37	5075	137	C	4000	> 70	II	RM7	yes	>> 988776
39	5725	147	C	4000	> 70	II	RM7	yes	>> 988868
44	6325	144	C	4000	> 70	II	RM7	yes	>> 988875
47	6700	143	C	4000	> 70	II	RM7	yes	>> 988882
50	7100	142	C	4000	> 70	II	RM7	yes	>> 988899
52	7675	148	C	4000	> 70	II	RM7	yes	>> 988905
61	8325	136	C	4000	> 70	II	RM7	yes	>> 988912
65	8825	136	D	4000	> 70	II	RM7	yes	>> 988929
70	9400	134	D	4000	> 70	II	RM7	yes	>> 988936
74	10375	140	C	4000	> 70	II	RM8+	yes	>> 988943/S6B
76	10375	137	C	4000	> 70	II	RM7	yes	>> 988943

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Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Colour rendering index	Electrical protection class	Optics	DIMM DALI	Index
80	10450	131	D	4000	> 70	II	RM7	yes	>> 988950
84	10900	130	D	4000	> 70	II	RM7	yes	>> 988967
89	11375	128	D	4000	> 70	II	RM7	yes	>> 988974
99	12300	124	D	4000	> 70	II	RM7	yes	>> 988981
109	13200	121	D	4000	> 70	II	RM7	yes	>> 988998

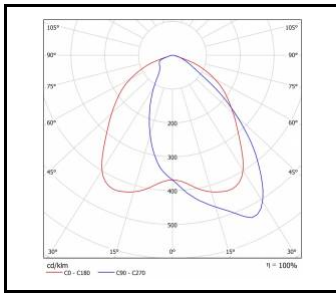
Tiara 2 LED S HE

Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Colour rendering index	Electrical protection class	Optics	DIMM DALI	Index
8	1350	169	B	4000	> 70	II	RM7HE	yes	>> 434006
10	1725	173	B	4000	> 70	II	RM7HE	yes	>> 434013
12	2050	171	B	4000	> 70	II	RM7HE	yes	>> 434020
14	2375	170	B	4000	> 70	II	RM7HE	yes	>> 434037
15	2550	170	B	4000	> 70	II	RM7HE	yes	>> 434044
16	2900	181	A	4000	> 70	II	RM7HE	yes	>> 434051
18	3275	182	A	4000	> 70	II	RM7HE	yes	>> 434068
21	3675	175	B	4000	> 70	II	RM7HE	yes	>> 434075
23	3625	158	B	4000	> 70	II	RM7HE	yes	>> 434082
24	4225	176	B	4000	> 70	II	RM7HE	yes	>> 434099
24	4225	176	B	4000	> 70	I	RM19HE	yes	>> 434099/SOK
25	3875	155	C	4000	> 70	II	RM7HE	yes	>> 434105
26	4675	180	A	4000	> 70	II	RM7HE	yes	>> 434112
28	4500	161	B	4000	> 70	II	RM7HE	yes	>> 434129
29	4900	169	B	4000	> 70	II	RM7HE	yes	>> 434136
30	4575	153	C	4000	> 70	II	RM7HE	yes	>> 434143
31	5300	171	B	4000	> 70	II	RM7HE	yes	>> 434150
33	5000	152	C	4000	> 70	II	RM7HE	yes	>> 434167
34	5675	167	B	4000	> 70	II	RM7HE	yes	>> 434174
35	5950	170	B	4000	> 70	II	RM7HE	yes	>> 434181
36	6550	182	A	4000	> 70	II	RM7HE	yes	>> 434198
37	6150	166	B	4000	> 70	II	RM7HE	yes	>> 434204
39	6975	179	A	4000	> 70	II	RM7HE	yes	>> 434211
44	7700	175	B	4000	> 70	II	RM7HE	yes	>> 434228
47	8175	193	A	4000	> 70	II	RM7HE	yes	>> 434235
50	8525	171	B	4000	> 70	II	RM7HE	yes	>> 434242
52	9000	173	B	4000	> 70	II	RM7HE	yes	>> 434259

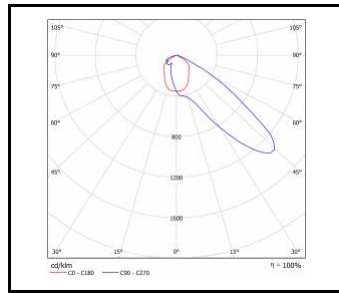
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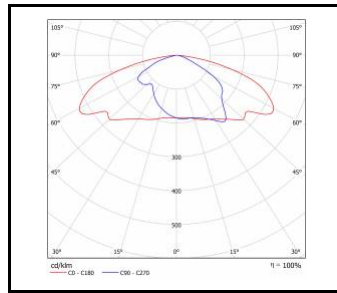
LUMINOUS INTENSITY DISTRIB. CURVE



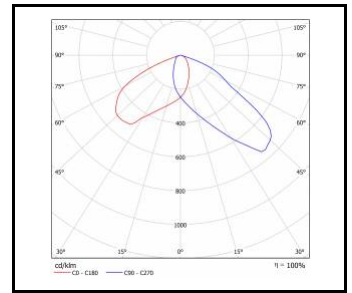
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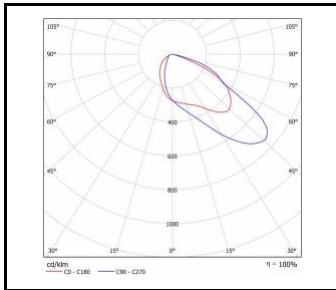
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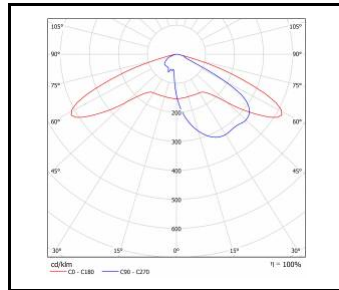
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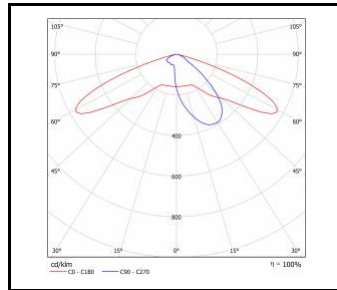
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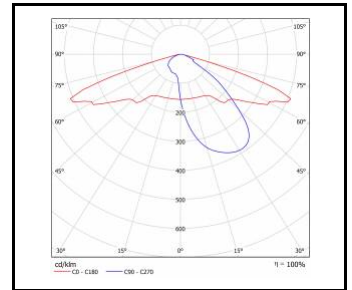
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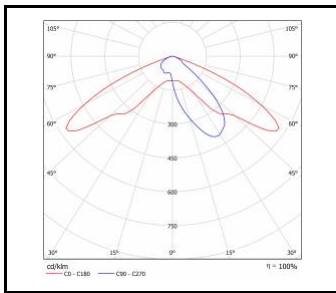
RM10



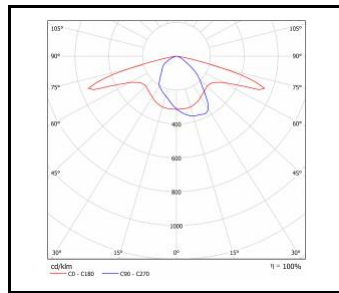
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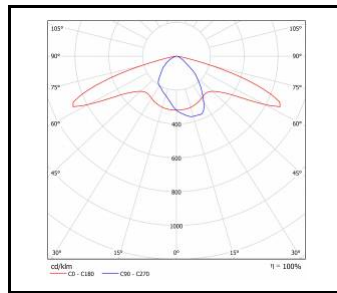
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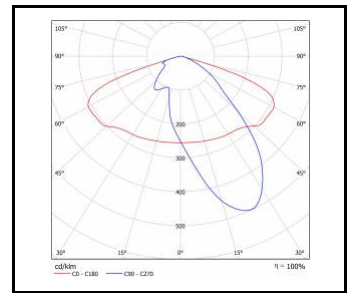
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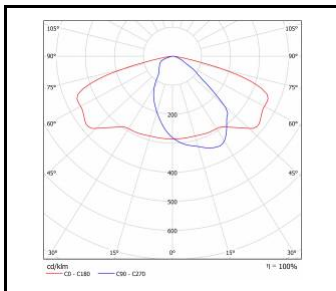
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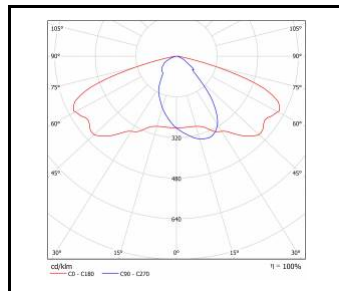
RM12HE



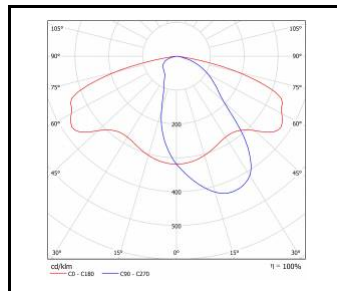
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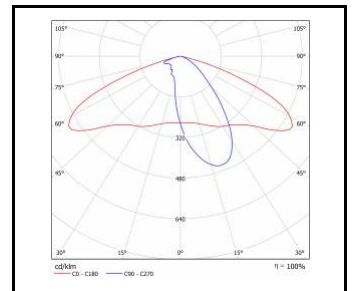
RM14



RM14HE



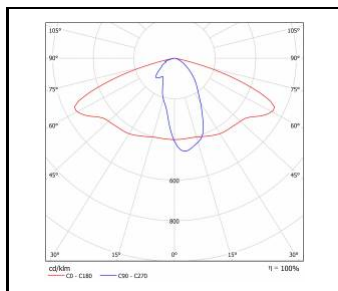
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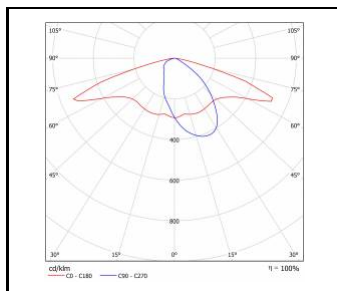
RM16

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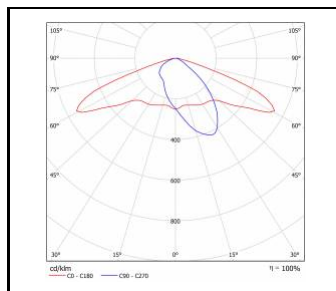
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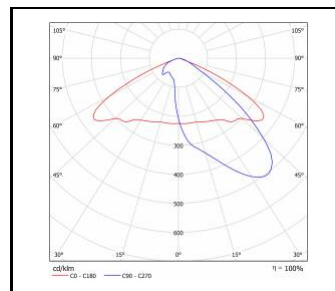
RM8HE



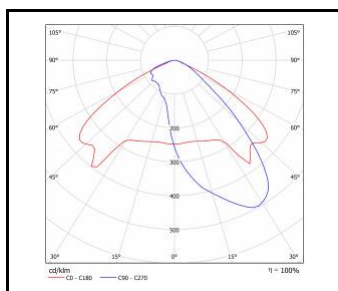
RM9



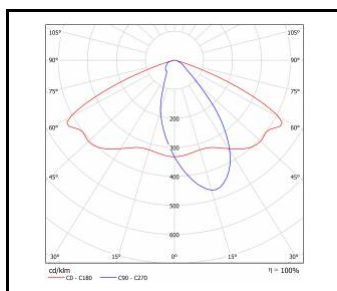
RM9HE



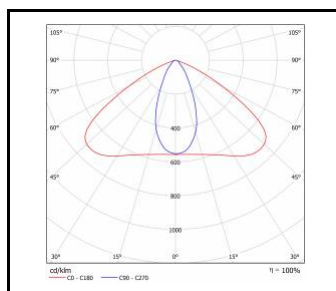
RMW



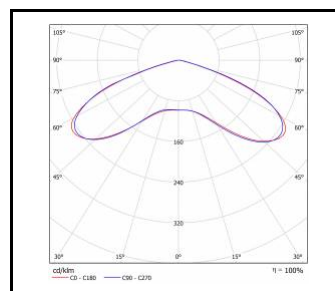
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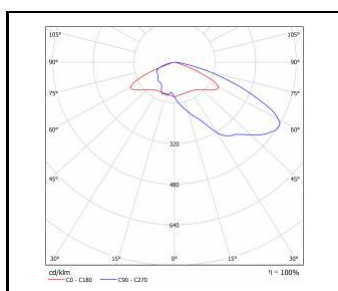
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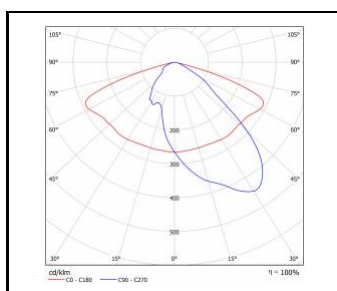
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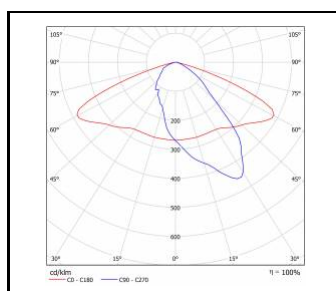
RP



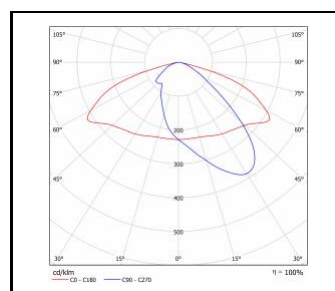
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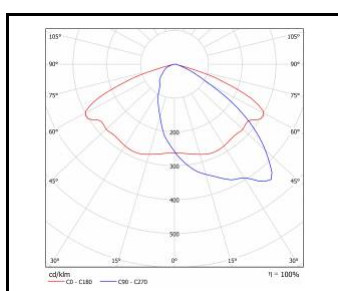
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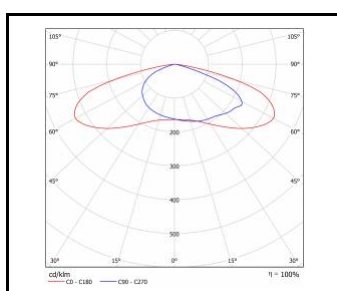
RW2HE



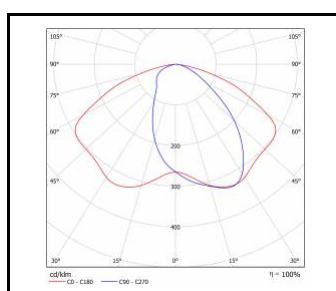
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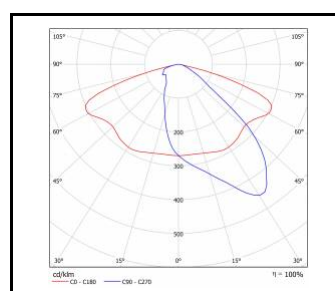
RW4



RW5



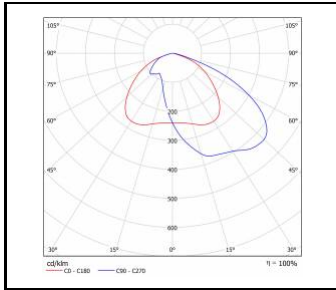
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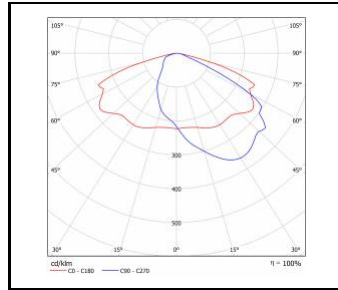
RW7

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RW8



RW9

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ACCESSORIES AVAILABLE

index	Name
	wall holder (galvanized)
	wall holder (grey)
UL01350	Handle fi 76mm for Tiara 2 LED M and Tiara 2 LED S



wall holder (galvanized) (314049)



wall holder (grey) (314056)

Card creation date: 12 February 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%



This product is a subject to electric and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 64/2023; 91/2023