

TIARA 2 LED M

GENERAL CARD



TECHNICAL PARAMETERS

Version:	M; M 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 - 175
Luminous flux [lm]*:	1075 - 22925
Luminous efficacy [lm/W]:	101 - 184
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	>> 915352
10	1550	155	C	4000	> 70	II	RM7	yes	>> 915369
12	1825	152	C	4000	> 70	II	RM7	yes	>> 915376
14	2100	150	C	4000	> 70	II	RM7	yes	>> 915499
15	2250	150	C	4000	> 70	II	RM7	yes	>> 915505
18	2850	158	B	4000	> 70	II	RM7	yes	>> 988004
20	3300	165	B	4000	> 70	II	RM7	yes	>> 988011
21	3200	152	C	4000	> 70	II	RM7	yes	>> 988028
26	3950	152	C	4000	> 70	II	RM7	yes	>> 988035
30	4750	158	B	4000	> 70	II	RM7	yes	>> 988042
31	4650	150	C	4000	> 70	II	RM7	yes	>> 988059
32	5250	164	B	4000	> 70	II	RM7	yes	>> 988066
35	5675	162	B	4000	> 70	II	RM7	yes	>> 988080
36	5400	150	C	4000	> 70	II	RM7	yes	>> 988097
36	5400	150	C	4000	> 70	I	RM8+	yes	>> 988097/SOK
37	5075	137	C	4000	> 70	II	RM7	yes	>> 988103
39	6375	163	B	4000	> 70	II	RM7	yes	>> 988110
43	6975	162	B	4000	> 70	II	RM7	yes	>> 988127
49	7900	161	B	4000	> 70	II	RM7	yes	>> 988134
52	7675	148	C	4000	> 70	II	RM7	yes	>> 988141
54	8475	157	C	4000	> 70	II	RM7	yes	>> 988158
59	9350	155	B	4000	> 70	II	RM7	yes	>> 988165
63	9925	158	B	4000	> 70	II	RM7	yes	>> 915383
69	10825	157	C	4000	> 70	II	RM7	yes	>> 988172
76	10375	137	C	4000	> 70	II	RM7	yes	>> 988189
78	11500	147	C	4000	> 70	II	RM7	yes	>> 988196
85	12350	145	C	4000	> 70	II	RM7	yes	>> 915390
89	12925	145	C	4000	> 70	II	RM7	yes	>> 988202
94	13650	145	C	4000	> 70	II	RM7	yes	>> 915406
98	14225	145	C	4000	> 70	II	RM7	yes	>> 988219
110	14950	136	D	4000	> 70	II	RM7	yes	>> 988226
118	15725	133	D	4000	> 70	II	RM7	yes	>> 988233
126	16875	134	D	4000	> 70	II	RM7	yes	>> 988240

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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
140	18500	132	D	4000	> 70	II	RM7	yes	>> 988257
157	20125	128	D	4000	> 70	II	RM7	yes	>> 988264
160	21525	135	D	4000	> 70	II	RM7	yes	>> 988271
167	22150	133	D	4000	> 70	II	RM7	yes	>> 988288
170	22500	132	D	4000	> 70	II	RM7	yes	>> 988295
175	22925	131	D	4000	> 70	II	RM7	yes	>> 988301

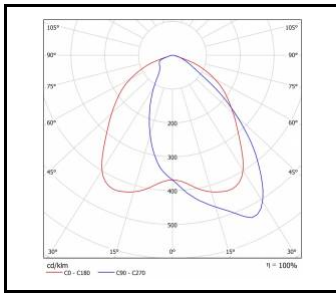
TIARA 2 LED M HE

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
59	10800	183	A	4000	> 70	II	RM7HE	yes	>> 434563
63	11525	183	A	4000	> 70	II	RM7HE	yes	>> 434570
69	12725	184	A	4000	> 70	II	RM7HE	yes	>> 434594
76	12125	160	B	4000	> 70	II	RM7HE	yes	>> 434587
85	14700	173	B	4000	> 70	II	RM7HE	yes	>> 434617
89	15475	174	B	4000	> 70	II	RM7HE	yes	>> 434624
94	16450	175	B	4000	> 70	II	RM7HE	yes	>> 434631
98	17250	176	B	4000	> 70	II	RM7HE	yes	>> 434648
110	18275	166	B	4000	> 70	II	RM7HE	yes	>> 874413
118	19325	164	B	4000	> 70	II	RM7HE	yes	>> 874420
126	20900	166	B	4000	> 70	II	RM7HE	yes	>> 874437

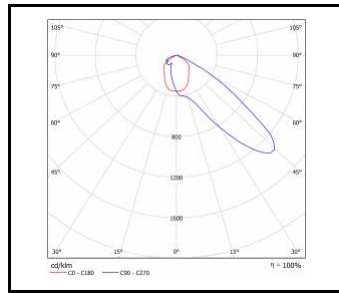
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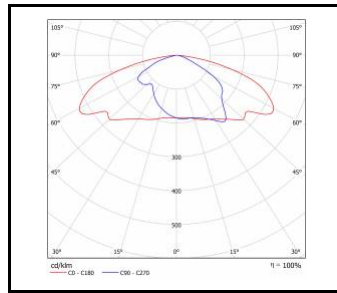
LUMINOUS INTENSITY DISTRIB. CURVE



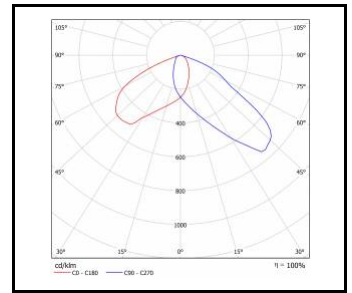
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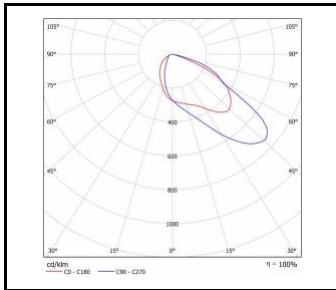
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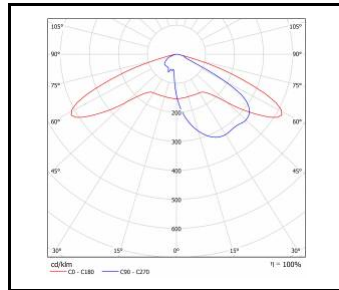
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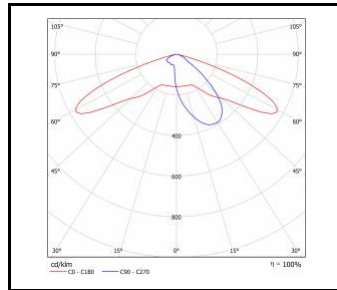
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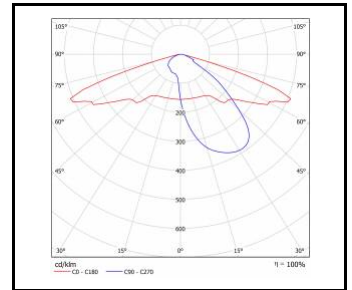
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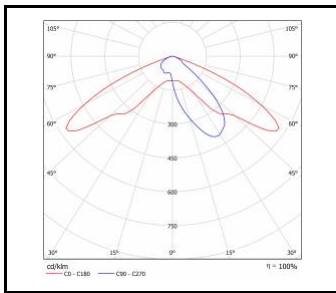
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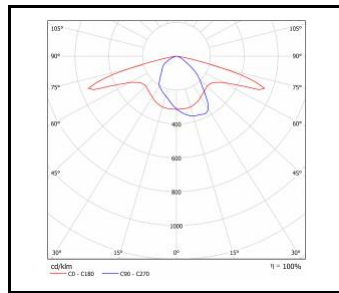
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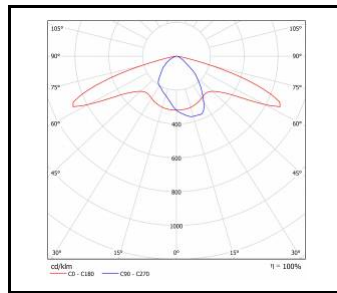
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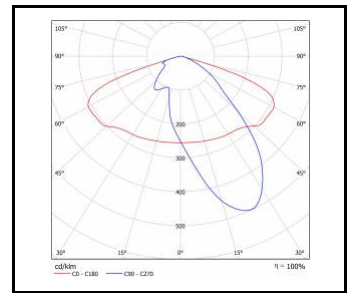
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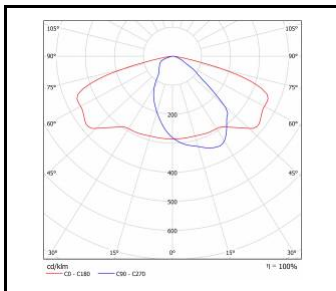
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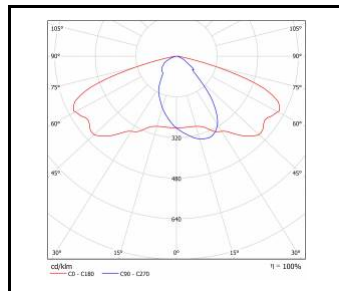
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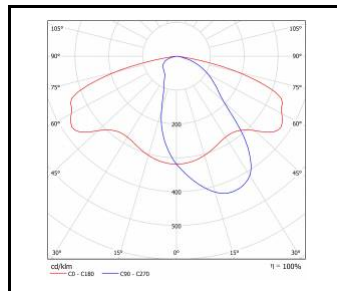
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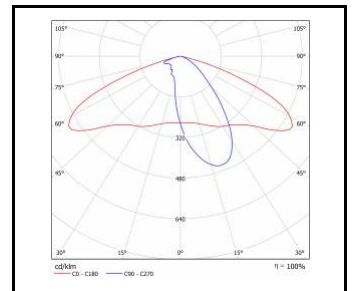
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RM14HE



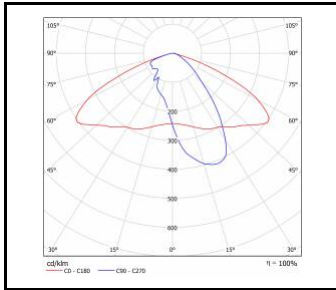
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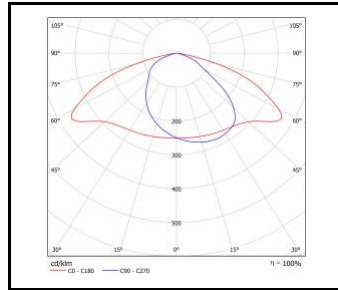
RM16

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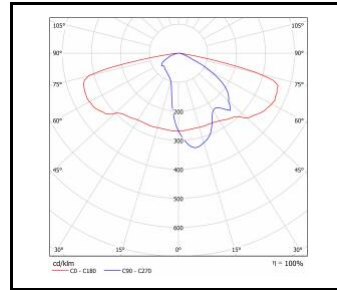
GENERAL CARD



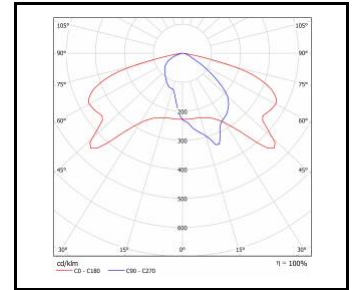
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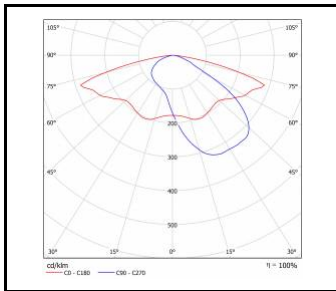
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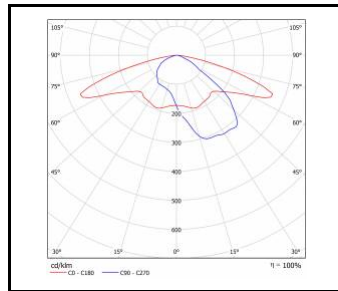
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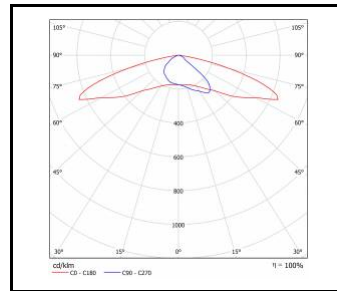
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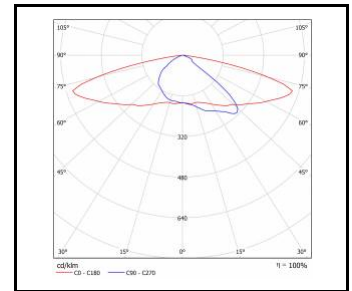
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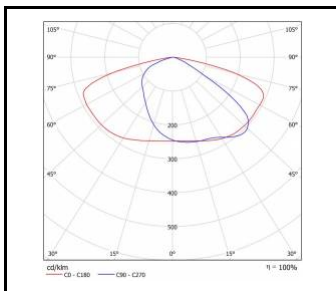
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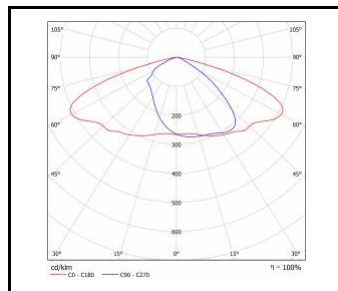
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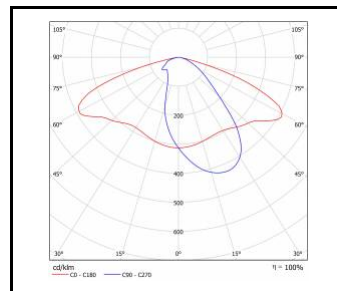
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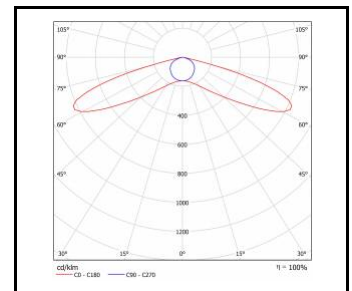
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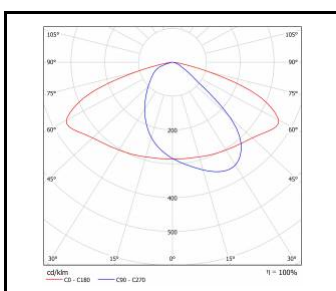
RM3HE



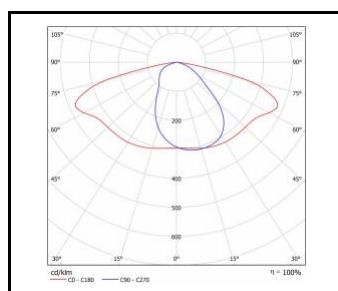
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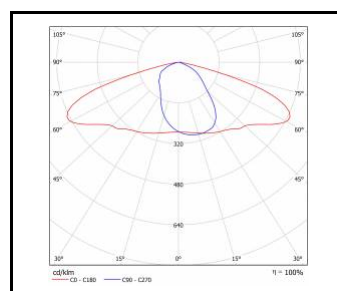
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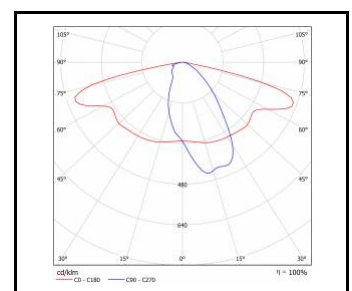
RM6



RM7



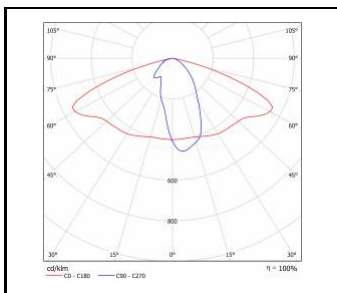
RM7HE



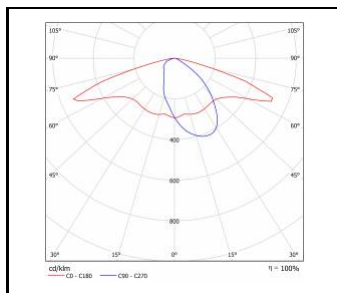
RM8+

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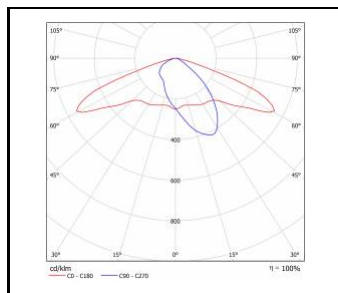
GENERAL CARD



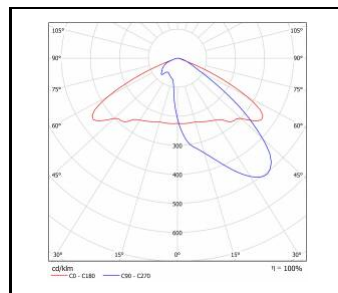
RM8HE



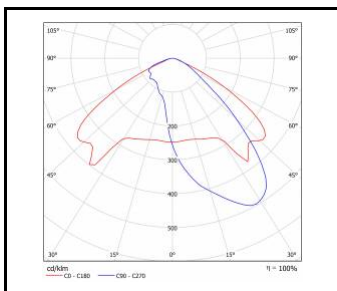
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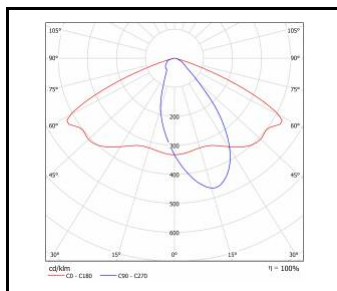
RM9HE



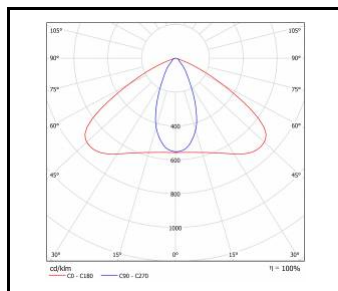
RMW



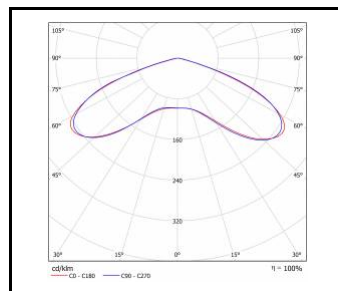
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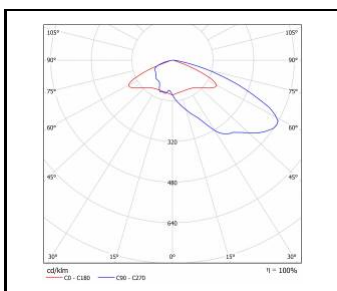
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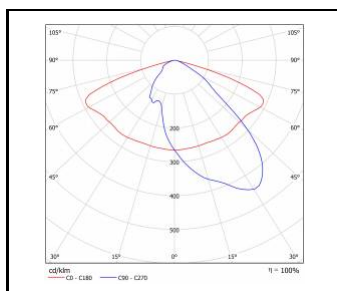
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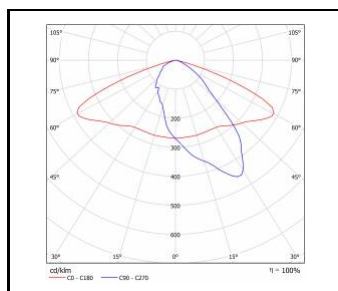
RP



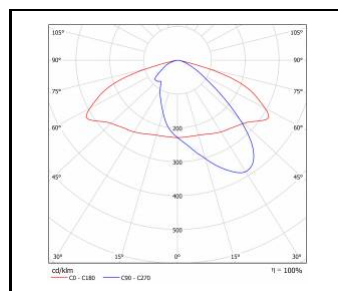
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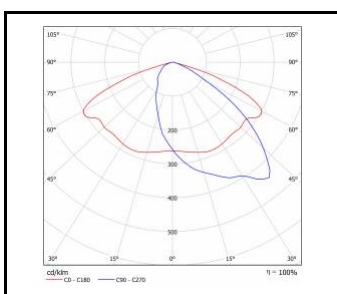
RW2



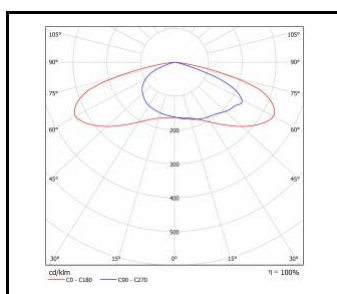
RW2HE



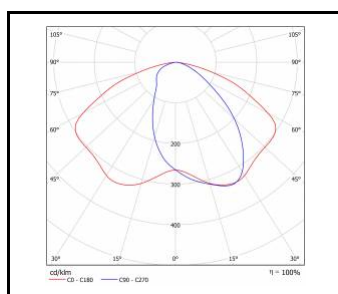
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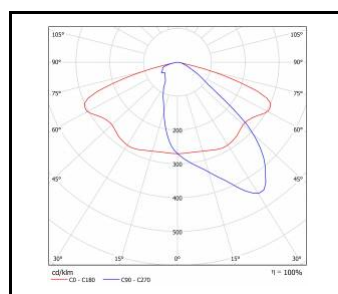
RW4



RW5



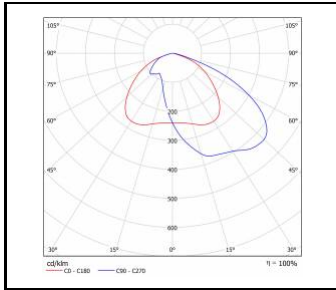
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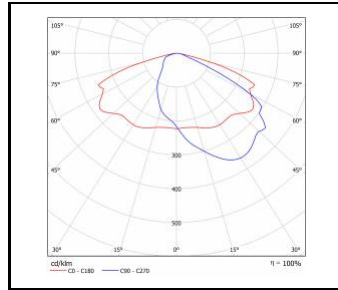
RW7

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RW8



RW9

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ACCESSORIES AVAILABLE

index	Name
	wall holder (galvanized)
	wall holder (grey)
UL00960	Backshield L Tiara 2 LED M
UL00959	Backshield P Tiara 2 LED M
UL00958	Backshield T Tiara 2 LED M RAL9006 (MOQ 80szt.)
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: 18 December 2024

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: 65/2023