

TIARA 2 LED XS

GENERAL CARD



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TECHNICAL PARAMETERS

Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	10.00 - 54.00
Luminous flux [lm]*:	1250 - 7625
Colour temperature [K]:	4000
Colour rendering index:	> 70
Electrical protection class:	II
Optics:	RM7
Control:	Yes + 5-stage power reduction
Colour of the body:	grey
Luminous efficacy [lm/W]:	125.00 - 157.00
Energy efficiency class:	C; D
Material of the body:	powder coated aluminium
Diffuser type:	transparent
Diffuser material:	toughened glass
Optics material:	PMMA
SDCM:	≤ 4

CHARACTERISTICS

TIARA 2 LED XS - a new generation of LED road luminaires. It uses directional multi-lens matrices made of PMMA, each lens of which has the same optics, ensuring that the light characteristics remain unchanged over time. The two-chamber structure of the luminaire maintains the tightness of the optical chamber during assembly work and when opening the electrical chamber. As standard, the fixture offers tool-free access to the electrical equipment using a knob which, upon request and the need to protect against vandalism or uncontrolled opening, can optionally be permanently secured with a screw or seal. The upper part of the luminaire has dedicated hinges and a rope protecting against falling. Using standard tools, quick and convenient service is possible, allowing the replacement of any component without the need to dismantle the entire fixture and perform soldered connections. The body and handle are made of die-cast aluminum, powder-coated gray, characterized by a very high degree of tightness IP66 and resistance to mechanical impacts IK09.

Standard equipment: ergonomic light module suspension system; protection against accidental overheating of the NTC fixture; fully programmable 2 DIM driver, available functions of maintaining a constant light flux during CLO and autonomous, 5-step power reduction; filter preventing water vapor condensation; connection terminals; tool-free access.

Additional options: NEMA, ZHAGA connectors; cooperation with control systems, RCR motion sensor; anti-vandal protection with screws/seals; additional SP10kV protection apart from the power supply, on/off power supply without power reduction function; knife switch disconnecting the voltage when the electrical compartment is opened; version with a cable terminated with a quick connector; painting in any color from the RAL palette. Certificates: CE, RoHS, ENEC, ENEC+, Zhaga D4i, Zhaga Book 13, Zhaga Book 15.

APPLICATION

Thanks to the use of dedicated optics, it is possible to illuminate facilities such as: expressways, national roads, provincial roads, district roads, municipal roads, city roads, housing estate roads, and area lighting. Optics are also available to illuminate pedestrian crossings, sidewalks and bicycle paths.

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AVAILABLE VERSIONS



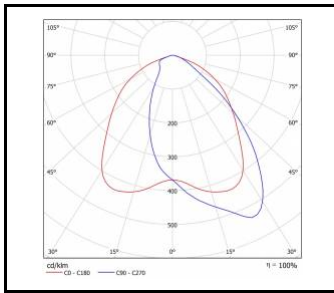
Click index >>, to see details

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	Index
10	1250	125	D	4000	> 70	II	RM7	>> 584015
12	1800	150	C	4000	> 70	II	RM7	>> 584022
14	2050	146	C	4000	> 70	II	RM7	>> 584039
15	2250	150	C	4000	> 70	II	RM7	>> 584046
16	2450	153	C	4000	> 70	II	RM7	>> 584053
18	2775	154	C	4000	> 70	II	RM7	>> 584060
21	3225	154	C	4000	> 70	II	RM7	>> 584077
23	3600	157	C	4000	> 70	II	RM7	>> 584084
24	3700	154	C	4000	> 70	II	RM7	>> 584091
25	3825	153	C	4000	> 70	II	RM7	>> 584107
26	3975	153	C	4000	> 70	II	RM7	>> 584114
28	4350	155	C	4000	> 70	II	RM7	>> 584121
29	4500	155	C	4000	> 70	II	RM7	>> 584138
30	4600	153	C	4000	> 70	II	RM7	>> 584145
31	4725	152	C	4000	> 70	II	RM7	>> 584152
33	5000	152	C	4000	> 70	II	RM7	>> 584169
34	5150	152	C	4000	> 70	II	RM7	>> 584176
35	5300	151	C	4000	> 70	II	RM7	>> 584183
36	5450	151	C	4000	> 70	II	RM7	>> 584190
37	5600	151	C	4000	> 70	II	RM7	>> 584206
39	5800	149	C	4000	> 70	II	RM7	>> 584213
44	6475	147	C	4000	> 70	II	RM7	>> 584220
47	6750	144	C	4000	> 70	II	RM7	>> 584237
50	7125	143	C	4000	> 70	II	RM7	>> 584244
52	7400	142	C	4000	> 70	II	RM7	>> 584251
54	7625	141	C	4000	> 70	II	RM7	>> 584268

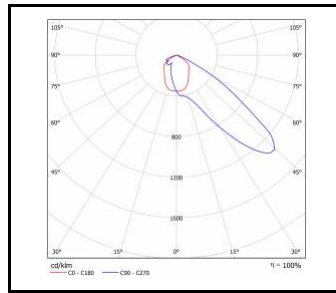
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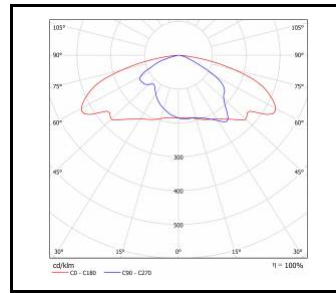
LUMINOUS INTENSITY DISTRIB. CURVE



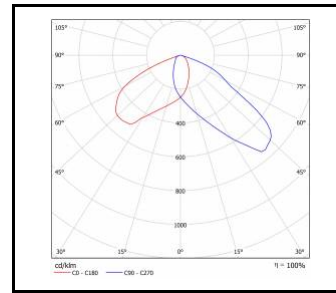
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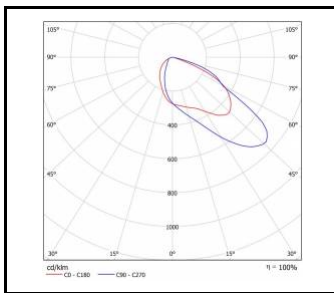
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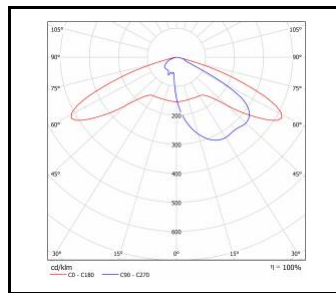
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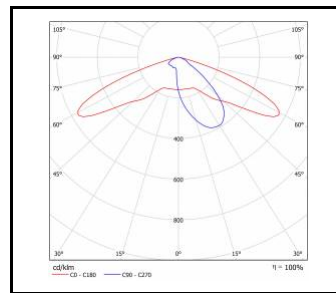
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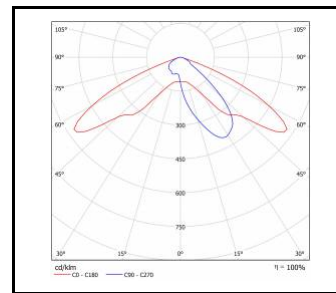
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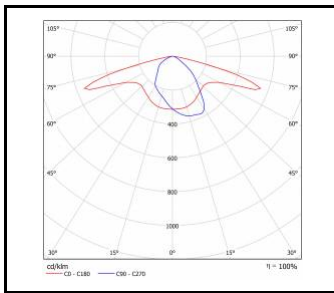
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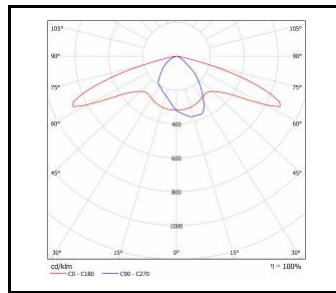
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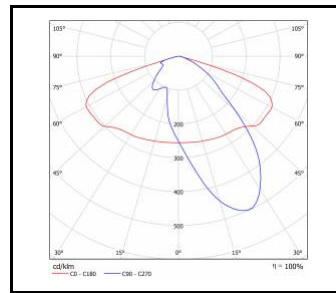
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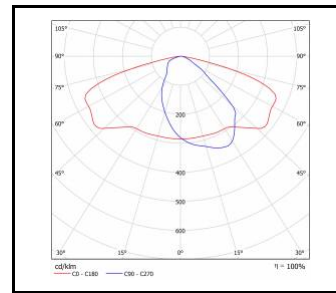
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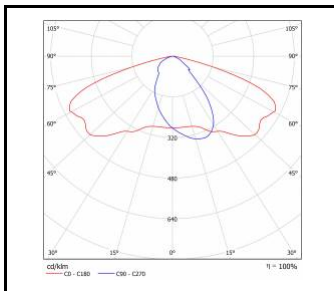
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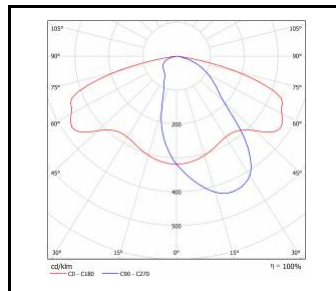
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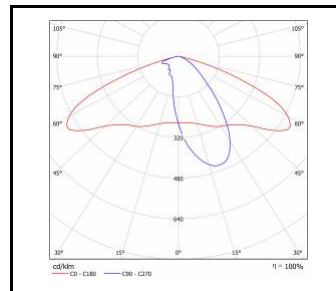
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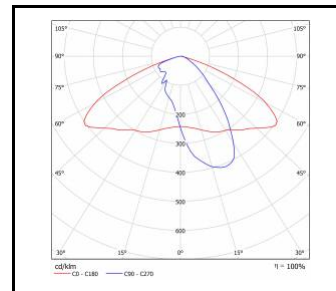
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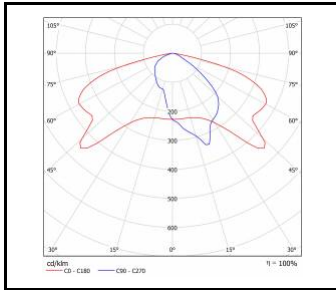
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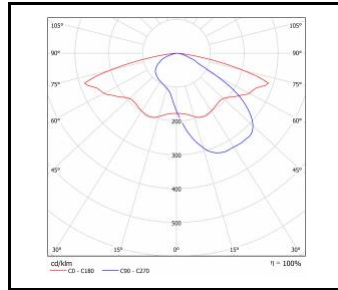
RM16HE

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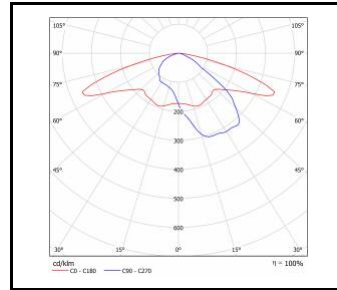
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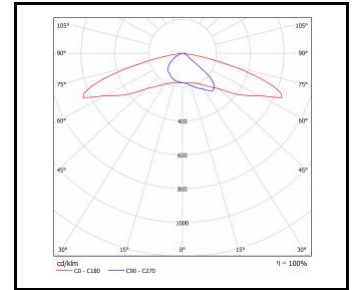
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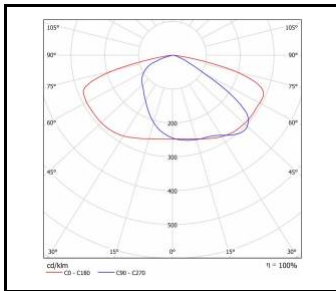
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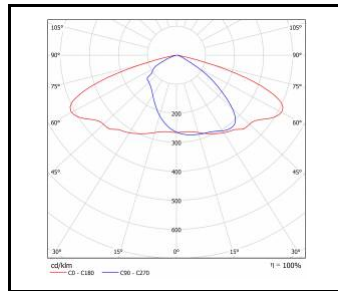
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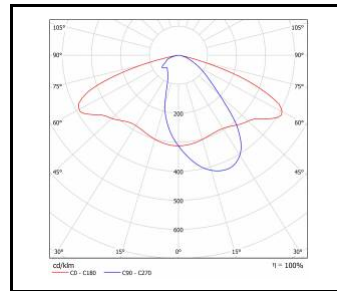
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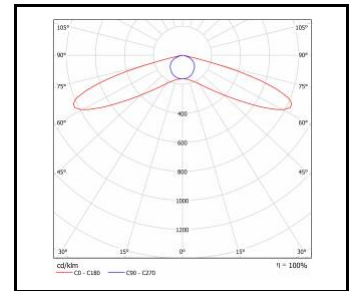
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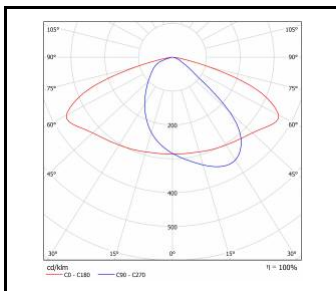
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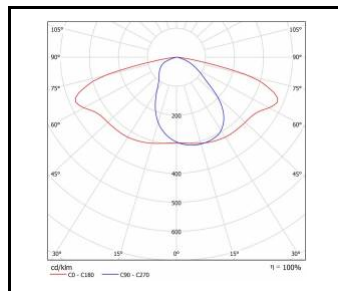
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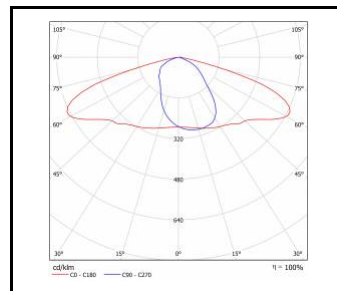
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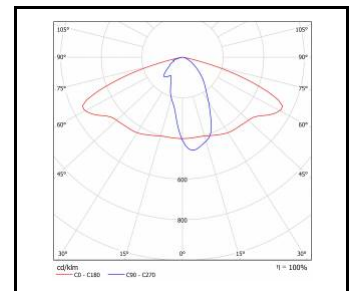
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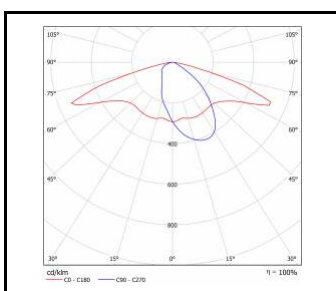
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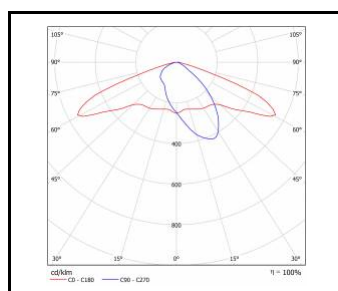
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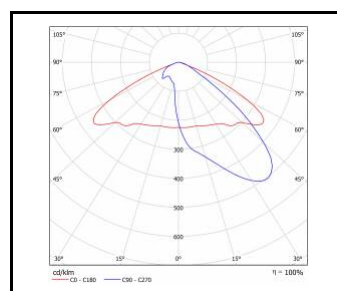
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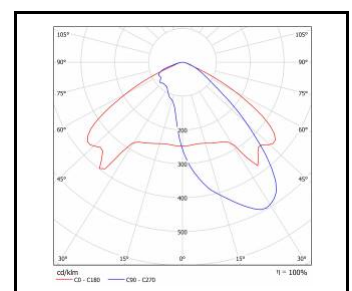
RM9



RM9HE



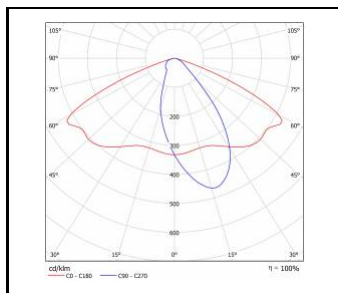
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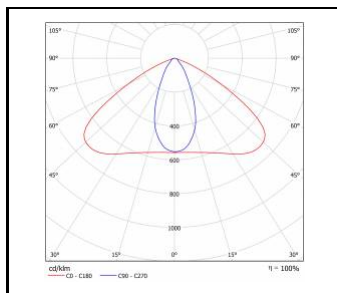
RMWHE

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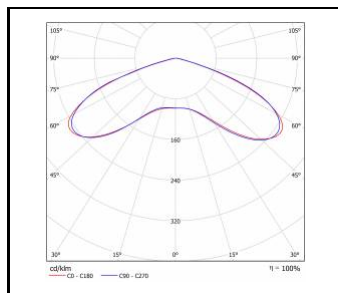
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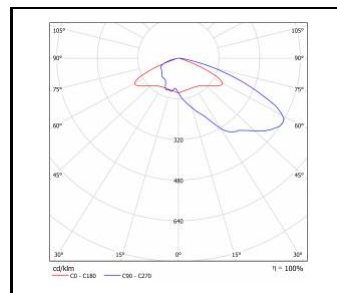
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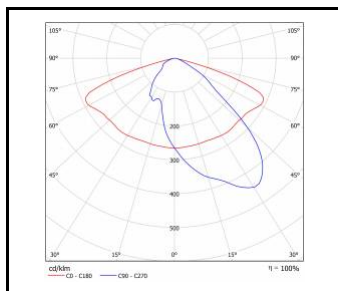
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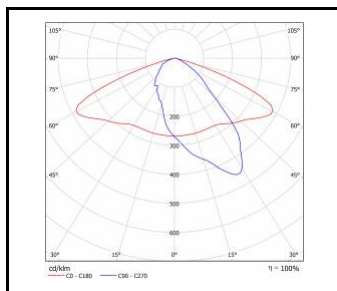
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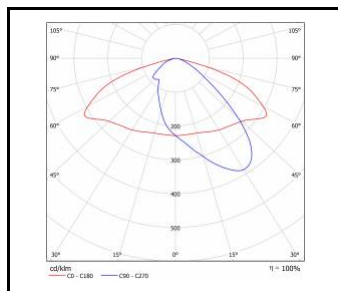
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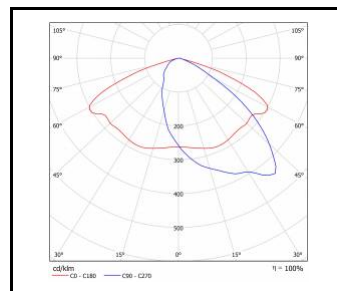
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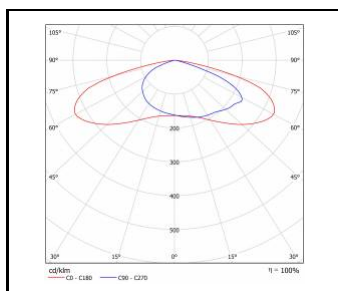
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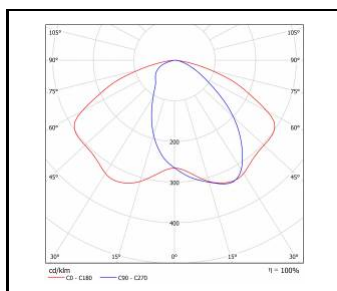
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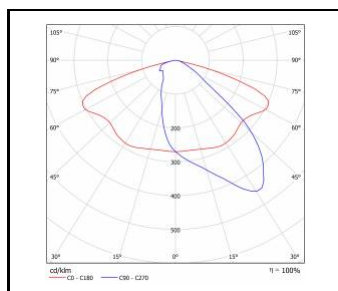
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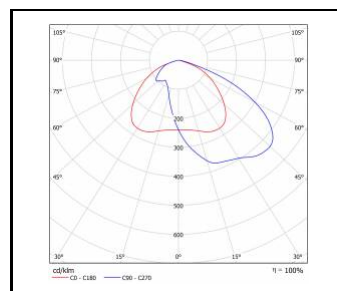
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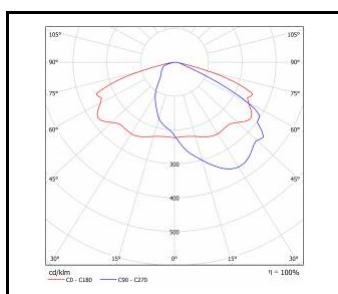
RW6



RW7



RW8



RW9

Card creation date: 09 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: 43/2024



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