

TIARA 2 LED XS

GENERAL CARD



TIARA 2 LED XS

GENERAL CARD

TECHNICAL PARAMETERS

Ingress protection:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]*:	12.00 - 54.00
Luminous flux [lm]*:	1800 - 8275
Colour temperature [K]:	4000
Colour rendering index:	> 70
Electrical protection class:	II
Optics:	RM7; RM7HE
Control:	Yes + 5-stage power reduction
Colour of the body:	grey
Luminous efficacy [lm/W]:	141.00 - 169.00
Energy efficiency class:	B; C
Material of the body:	powder coated aluminium
Diffuser type:	transparent
Diffuser material:	toughened glass
Optics material:	PMMA; PMMA + PC
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 IK10.

Standard equipment: ergonomic light module suspension system; protection against accidental overheating of the NTC fixture; fully programmable DALI 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.

TIARA 2 LED XS

GENERAL CARD

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
12	1800	150	C	4000	> 70	II	RM7	>> 694219
12	1950	163	B	4000	> 70	II	RM7HE	>> 694516
14	2050	146	C	4000	> 70	II	RM7	>> 694226
14	2200	157	C	4000	> 70	II	RM7HE	>> 694523
15	2250	150	C	4000	> 70	II	RM7	>> 694233
15	2400	160	B	4000	> 70	II	RM7HE	>> 694530
16	2450	153	C	4000	> 70	II	RM7	>> 694240
16	2625	164	B	4000	> 70	II	RM7HE	>> 694547
18	2775	154	C	4000	> 70	II	RM7	>> 694257
18	2950	164	B	4000	> 70	II	RM7HE	>> 694554
21	3225	154	C	4000	> 70	II	RM7	>> 694264
21	3450	164	B	4000	> 70	II	RM7HE	>> 694561
23	3600	157	C	4000	> 70	II	RM7	>> 864186
23	3875	169	B	4000	> 70	II	RM7HE	>> 694578
24	3700	154	C	4000	> 70	II	RM7	>> 864193
24	3950	165	B	4000	> 70	II	RM7HE	>> 694585
25	3825	153	C	4000	> 70	II	RM7	>> 694271
25	4100	164	B	4000	> 70	II	RM7HE	>> 694592
26	3975	153	C	4000	> 70	II	RM7	>> 694288
26	4275	164	B	4000	> 70	II	RM7HE	>> 694608
28	4350	155	C	4000	> 70	II	RM7	>> 866814
28	4700	168	B	4000	> 70	II	RM7HE	>> 694615
29	4500	155	C	4000	> 70	II	RM7	>> 694295
29	4850	167	B	4000	> 70	II	RM7HE	>> 694622
30	4600	153	C	4000	> 70	II	RM7	>> 694301
30	4925	164	B	4000	> 70	II	RM7HE	>> 694639
31	4725	152	C	4000	> 70	II	RM7	>> 694318
31	5075	164	B	4000	> 70	II	RM7HE	>> 694646
33	5000	152	C	4000	> 70	II	RM7	>> 694325
33	5400	164	B	4000	> 70	II	RM7HE	>> 694653
34	5150	152	C	4000	> 70	II	RM7	>> 864056
35	5300	151	C	4000	> 70	II	RM7	>> 694332
35	5700	163	B	4000	> 70	II	RM7HE	>> 694660
36	5450	151	C	4000	> 70	II	RM7	>> 694349
36	5850	163	B	4000	> 70	II	RM7HE	>> 694677

TIARA 2 LED XS

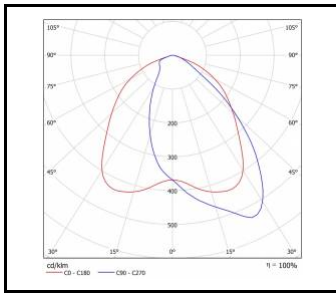
GENERAL CARD

37	5600	151	C	4000	> 70	II	RM7	>> 864957
37	6025	163	B	4000	> 70	II	RM7HE	>> 694684
39	5800	149	C	4000	> 70	II	RM7	>> 694356
39	6275	161	B	4000	> 70	II	RM7HE	>> 694691
44	6475	147	C	4000	> 70	II	RM7	>> 864162
44	6900	157	C	4000	> 70	II	RM7HE	>> 694707
47	6750	144	C	4000	> 70	II	RM7	>> 694363
47	7225	154	C	4000	> 70	II	RM7HE	>> 694714
50	7125	143	C	4000	> 70	II	RM7	>> 694370
50	7675	154	C	4000	> 70	II	RM7HE	>> 694721
52	7400	142	C	4000	> 70	II	RM7	>> 694387
52	7950	153	C	4000	> 70	II	RM7HE	>> 694738
54	7625	141	C	4000	> 70	II	RM7	>> 694394
54	8275	159	B	4000	> 70	II	RM7HE	>> 694745

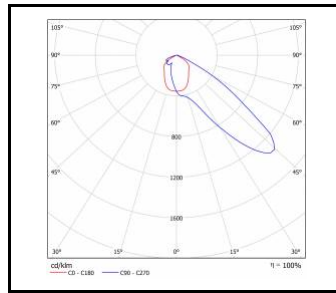
TIARA 2 LED XS

GENERAL CARD

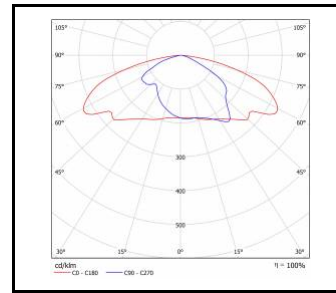
LUMINOUS INTENSITY DISTRIB. CURVE



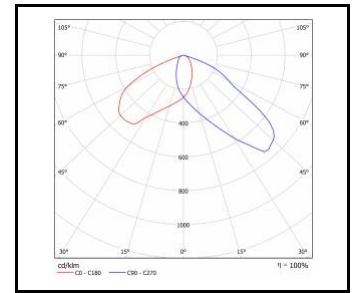
ASM2



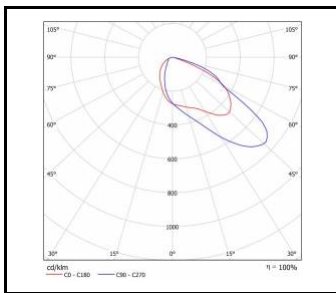
ASN



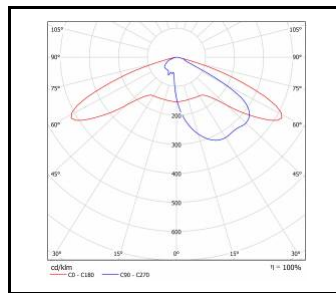
ASW



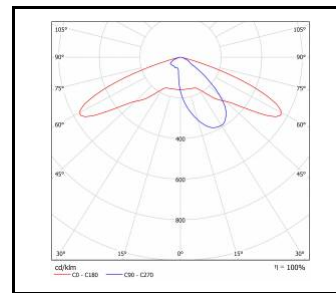
PL1



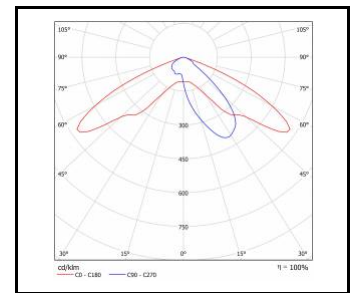
PP1



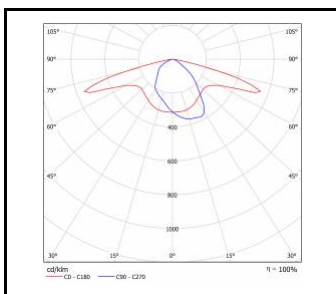
RM10



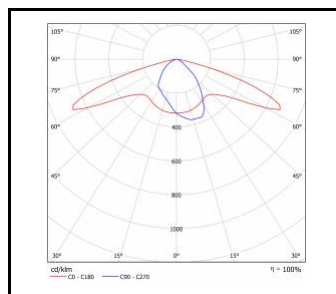
RM11



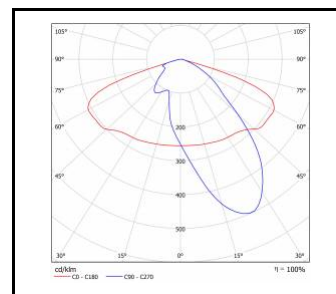
RM11HE



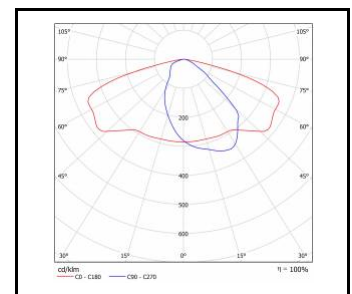
RM12



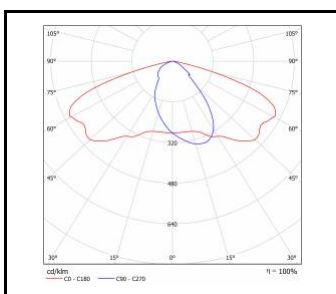
RM12HE



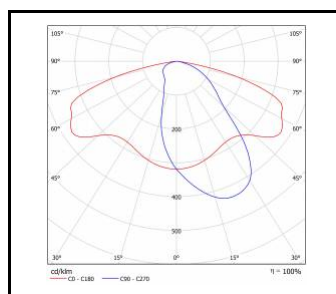
RM13



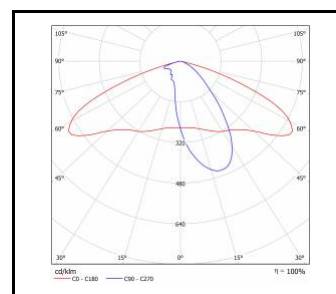
RM14



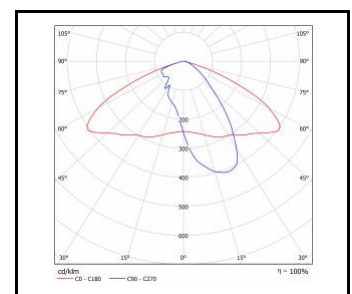
RM14HE



RM15



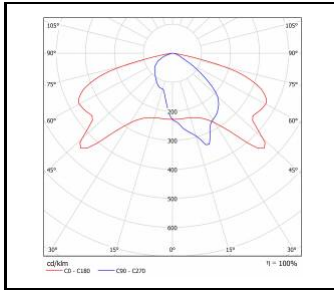
RM16



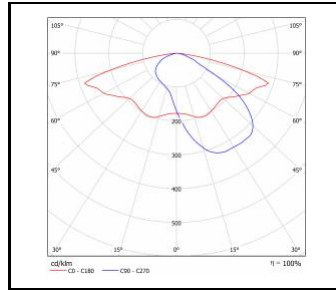
RM16HE

TIARA 2 LED XS

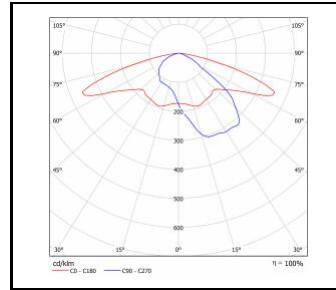
GENERAL CARD



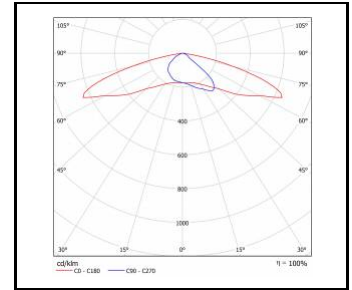
RM18HE



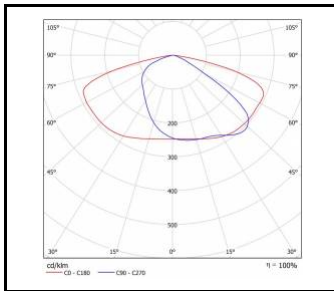
RM19



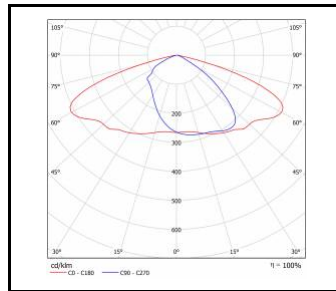
RM19HE



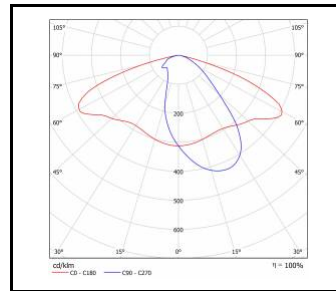
RM20



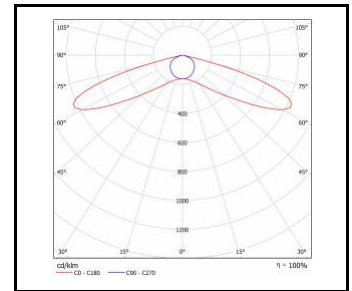
RM3



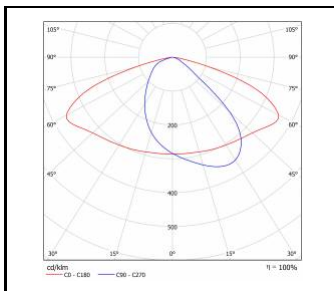
RM3HE



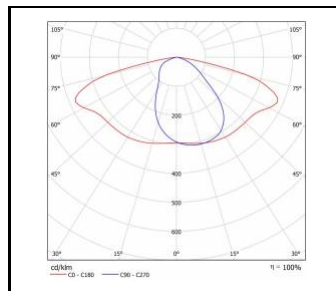
RM4



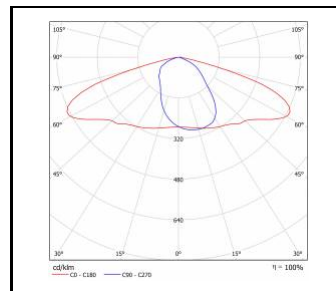
RM5



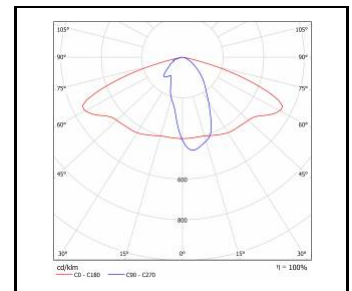
RM6



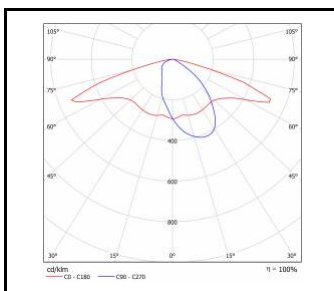
RM7



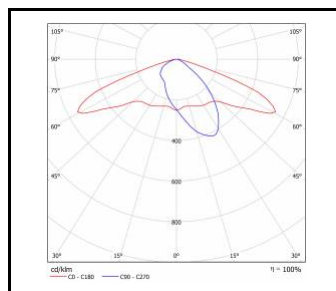
RM7HE



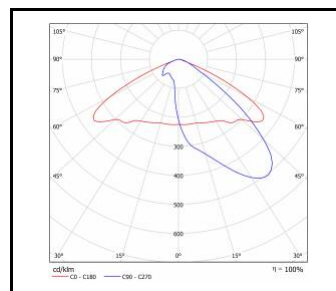
RM8HE



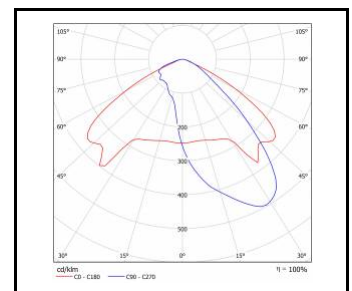
RM9



RM9HE



RMW



RMWHE

