

# TIARA 2 LED M

GENERAL CARD



## TECHNICAL PARAMETERS

<b>Version:</b>	M; M ZHAGA
<b>Material of the body:</b>	powder coated aluminium
<b>Diffuser material:</b>	toughened glass
<b>Ingress protection:</b>	IP66
<b>Impact resistance:</b>	IK09
<b>Supply voltage [V]:</b>	220 - 240
<b>Frequency [Hz]:</b>	50 - 60
<b>Rated power of the luminaire [W]*:</b>	8 - 175
<b>Luminous flux [lm]*:</b>	1075 - 22925
<b>Luminous efficacy [lm/W]:</b>	101 - 184
<b>Energy efficiency class:</b>	A - E
<b>Electrical protection class:</b>	I; II
<b>Colour temperature [K]:</b>	2200 - 6500
<b>Colour rendering index:</b>	> 70; > 80
<b>Tilt angle adjustment [°]:</b>	-120° to +30° (side); -30° to +120° (peak)
<b>Technical Warranty:</b>	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

### TIARA 2 LED M

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	<a href="#">&gt;&gt; 915352</a>
10	1550	155	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 915369</a>
12	1825	152	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 915376</a>
14	2100	150	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 915499</a>
15	2250	150	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 915505</a>
18	2850	158	B	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988004</a>
20	3300	165	B	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988011</a>
21	3200	152	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988028</a>
26	3950	152	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988035</a>
30	4750	158	B	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988042</a>
31	4650	150	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988059</a>
32	5250	164	B	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988066</a>
35	5675	162	B	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988080</a>
36	5400	150	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988097</a>
37	5075	137	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988103</a>
39	6375	163	B	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988110</a>
43	6975	162	B	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988127</a>
49	7900	161	B	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988134</a>
52	7675	148	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988141</a>
54	8475	157	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988158</a>
59	9350	155	B	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988165</a>
63	9925	158	B	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 915383</a>
69	10825	157	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988172</a>
76	10375	137	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988189</a>
78	11500	147	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988196</a>
85	12350	145	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 915390</a>
89	12925	145	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988202</a>
94	13650	145	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 915406</a>
98	14225	145	C	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988219</a>
110	14950	136	D	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988226</a>
118	15725	133	D	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988233</a>
126	16875	134	D	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988240</a>
140	18500	132	D	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988257</a>

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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
157	20125	128	D	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988264</a>
160	21525	135	D	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988271</a>
167	22150	133	D	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988288</a>
170	22500	132	D	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988295</a>
175	22925	131	D	4000	> 70	II	RM7	yes	<a href="#">&gt;&gt; 988301</a>

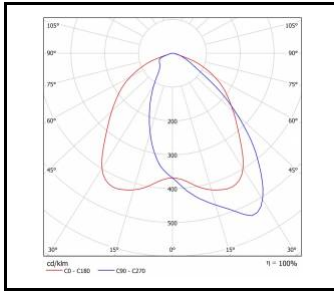
## TIARA 2 LED M HE

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

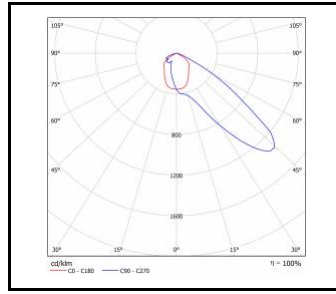
# TIARA 2 LED M

## GENERAL CARD

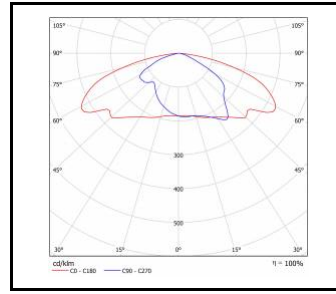
### LUMINOUS INTENSITY DISTRIB. CURVE



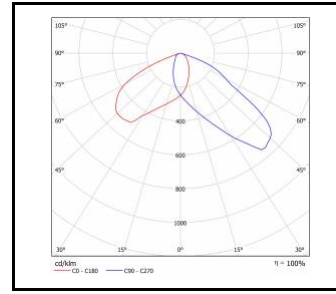
ASM2



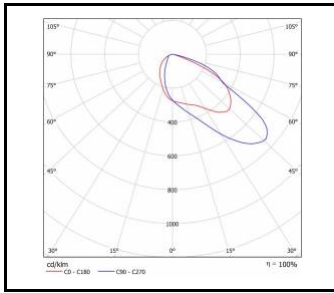
ASN



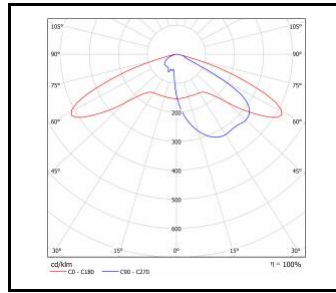
ASW



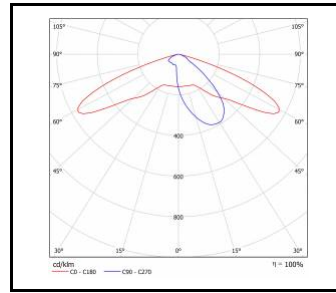
PL1



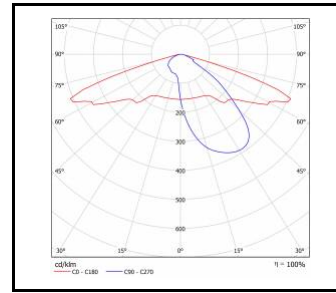
PP1



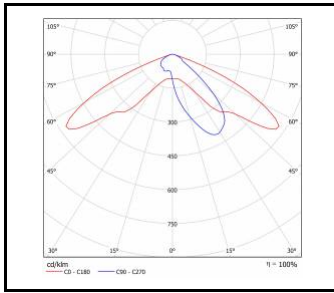
RM10



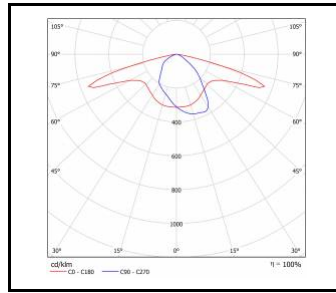
RM11



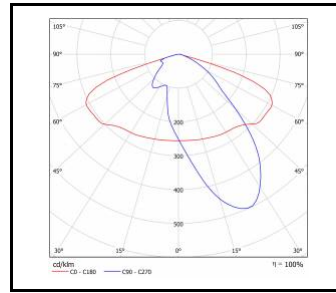
RM11+



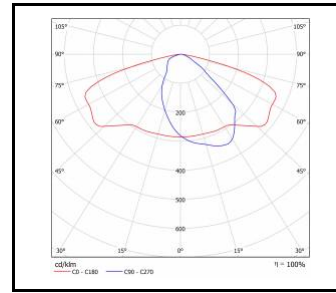
RM11HE



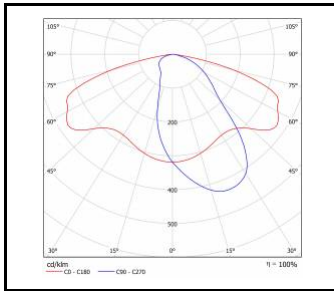
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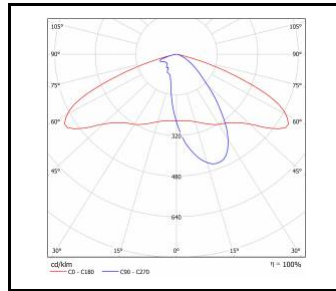
RM13



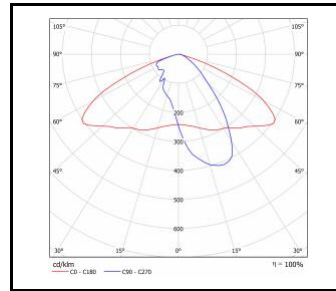
RM14



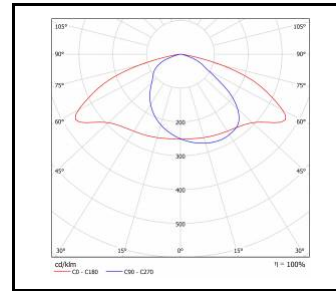
RM15



RM16



RM16HE

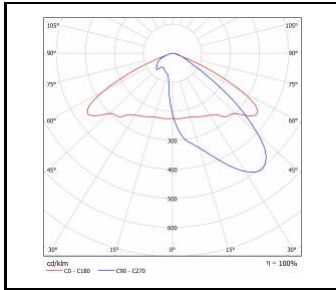


RM17

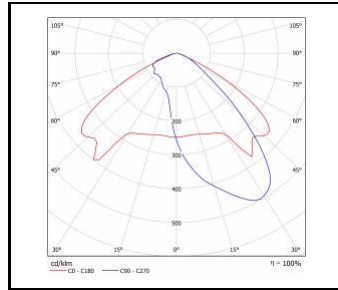


# TIARA 2 LED M

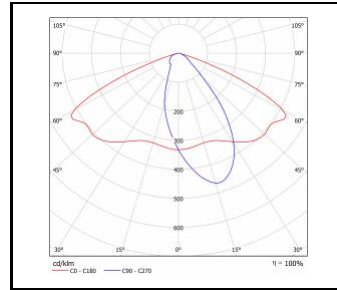
## GENERAL CARD



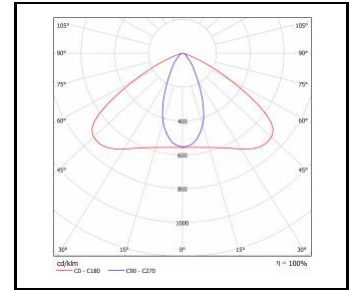
RMW



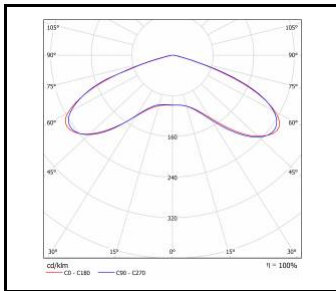
RMWHE



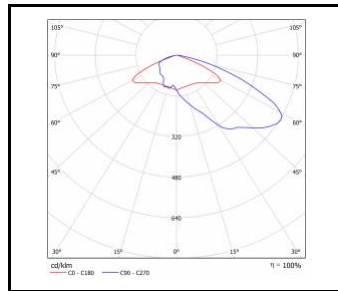
RN1



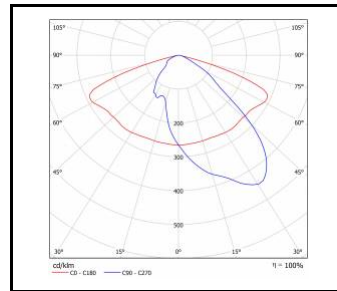
RN2



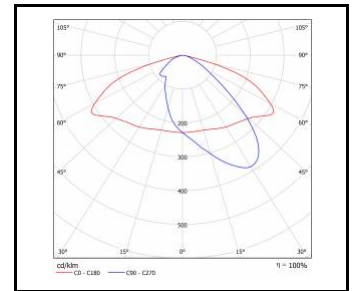
RP



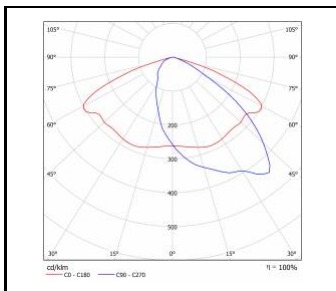
RW10



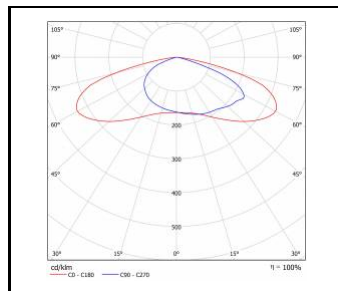
RW2



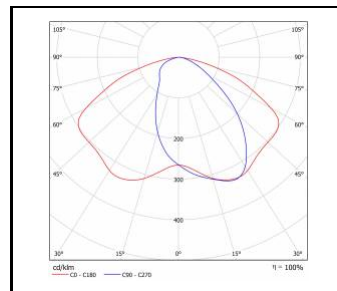
RW3



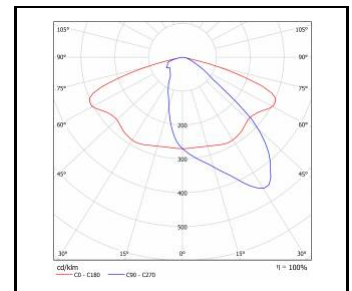
RW4



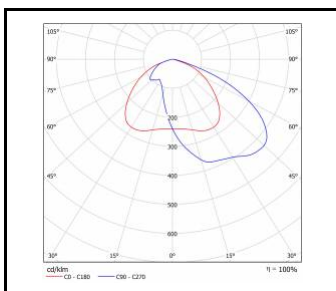
RW5



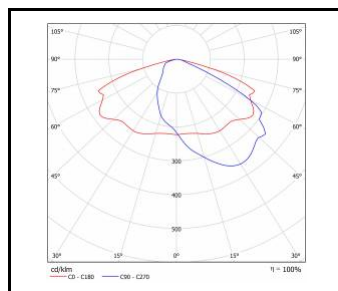
RW6



RW7



RW8



RW9

# TIARA 2 LED M

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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: 30 October 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