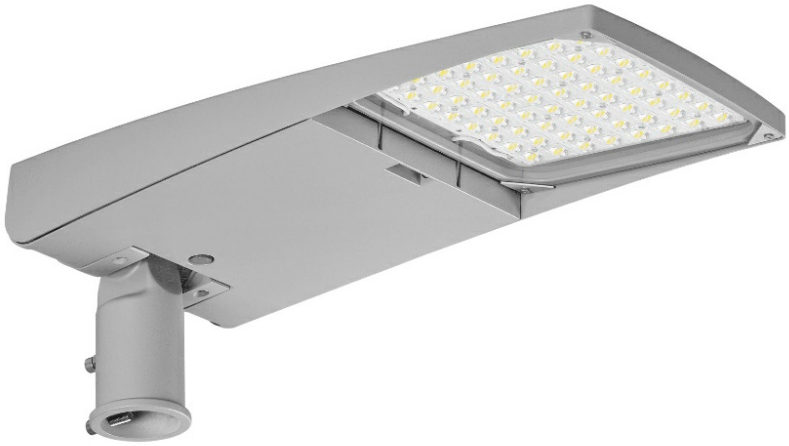
TIARA 2 LED M

GENERAL CARD



TECHNICAL PARAMETERS

Version:	M
Material of the body:	powder coated aluminium
Diffuser material:	tempered glass
Ingress protection:	IP66
Impact resistance:	IK10
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
Color rendering index (Ra) >:	> 70; > 80
Tilt angle adjustment [°]:	from -30 to +120 (peak) and -120 to +30 (side) in 5° degrees increments
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 IK10 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, DarkSky.

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.

TIARA 2 LED M

GENERAL CARD

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]	Color rendering index (Ra) >	Electrical protection class	Optics	DIMM DALI	Index
8	1325	165	B	4000	70	II	RM7	yes	>> 915352
10	1550	155	C	4000	70	II	RM7	yes	>> 915369
12	1550	129	D	4000	70	II	RM7	yes	>> 915376
14	1750	125	D	4000	70	II	RM7	yes	>> 915499
15	2025	135	D	4000	70	II	RM7	yes	>> 915505
18	3175	176	B	4000	70	II	RM7	yes	>> 988004
20	3300	165	B	4000	70	II	RM7	yes	>> 988011
21	3675	175	B	4000	70	II	RM7	yes	>> 988028
26	4600	176	B	4000	70	II	RM7	yes	>> 988035
30	5200	173	B	4000	70	II	RM7	yes	>> 988042
31	5425	175	B	4000	70	II	RM7	yes	>> 988059
32	5625	175	B	4000	70	II	RM7	yes	>> 988066
35	6250	178	B	4000	70	II	RM7	yes	>> 988080
36	6475	179	A	4000	70	II	RM7	yes	>> 988097
37	6675	180	A	4000	70	II	RM7	yes	>> 988103
39	6850	175	B	4000	70	II	RM7	yes	>> 988110
43	7595	177	B	4000	70	II	RM7	yes	>> 988127
49	8575	175	B	4000	70	II	RM7	yes	>> 988134
52	9100	175	B	4000	70	II	RM7	yes	>> 988141
54	9475	175	B	4000	70	II	RM7	yes	>> 988158
59	10300	174	B	4000	70	II	RM7	yes	>> 988165
63	11450	181	A	4000	70	II	RM7	yes	>> 915383
69	11950	173	B	4000	70	II	RM7	yes	>> 988172
76	13075	172	B	4000	70	II	RM7	yes	>> 988189
78	13400	171	B	4000	70	II	RM7	yes	>> 988196
85	15125	177	B	4000	70	II	RM7	yes	>> 915390
89	15100	169	B	4000	70	II	RM7	yes	>> 988202
94	13650	145	C	4000	70	II	RM7	yes	>> 915406
98	17175	175	B	4000	70	II	RM7	yes	>> 988219
110	18250	165	B	4000	70	II	RM7	yes	>> 988226
118	19425	164	B	4000	70	II	RM7	yes	>> 988233
126	20525	162	B	4000	70	II	RM7	yes	>> 988240
140	22375	159	B	4000	70	II	RM7	yes	>> 988257

TIARA 2 LED M

GENERAL CARD

Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Color rendering index (Ra) >	Electrical protection class	Optics	DIMM DALI	Index
157	24525	156	C	4000	70	II	RM7	yes	>> 988264
160	24850	155	C	4000	70	II	RM7	yes	>> 988271
167	25725	154	C	4000	70	II	RM7	yes	>> 988288
175	27575	157	C	4000	70	II	RM7	yes	>> 988301

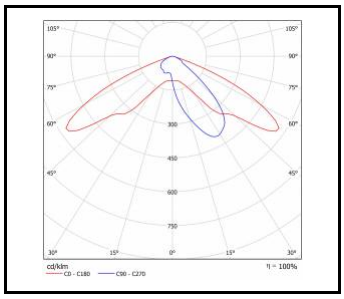
TIARA 2 LED M HE

Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Color rendering index (Ra) >	Electrical protection class	Optics	DIMM DALI	Index
59	10975	186	A	4000	70	II	RM7HE	yes	>> 811630
59	10975	186	A	4000	70	II	RM7HE	yes	>> 434563
63	11450	181	A	4000	70	II	RM7HE	yes	>> 434570
69	12425	180	A	4000	70	II	RM7HE	yes	>> 434594
76	13550	178	B	4000	70	II	RM7HE	yes	>> 434587
85	15125	177	B	4000	70	II	RM7HE	yes	>> 434617
89	15600	175	B	4000	70	II	RM7HE	yes	>> 434624
94	16450	175	B	4000	70	II	RM7HE	yes	>> 434631
98	17275	176	B	4000	70	II	RM7HE	yes	>> 434648
110	18975	172	B	4000	70	II	RM7HE	yes	>> 874413
118	20150	170	B	4000	70	II	RM7HE	yes	>> 874420
126	21275	168	B	4000	70	II	RM7HE	yes	>> 874437

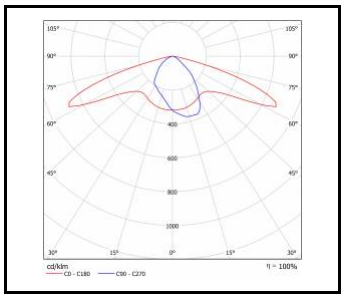
TIARA 2 LED M

GENERAL CARD

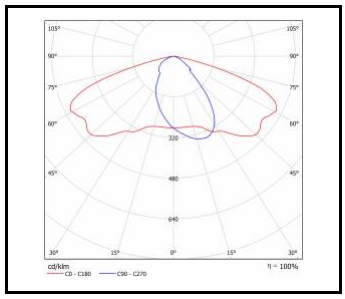
LUMINOUS INTENSITY DISTRIB. CURVE



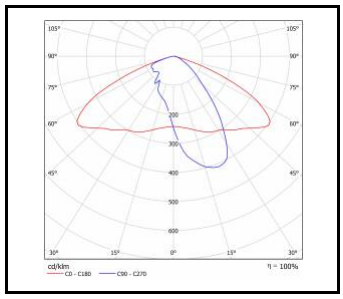
RM11HE



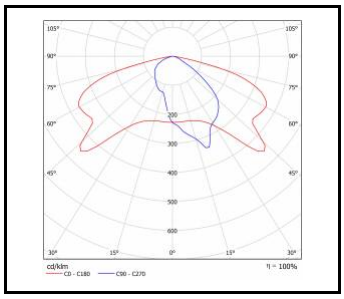
RM12HE



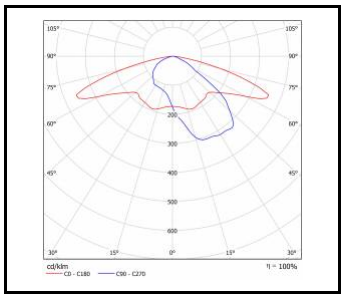
RM14HE



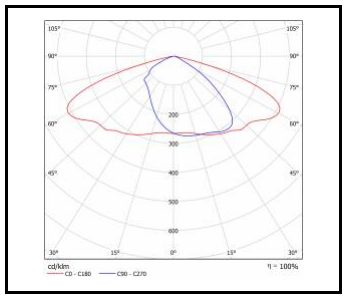
RM16HE



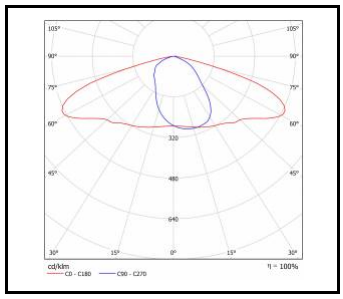
RM18HE



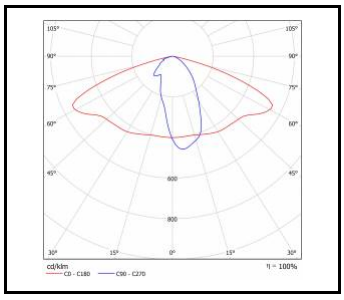
RM19HE



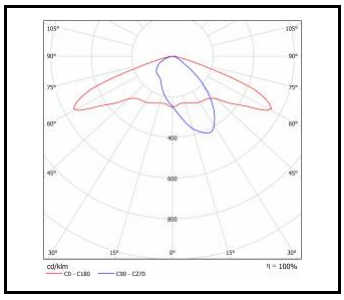
RM3HE



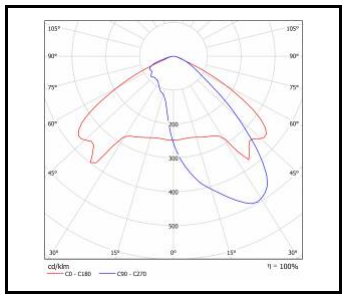
RM7HE



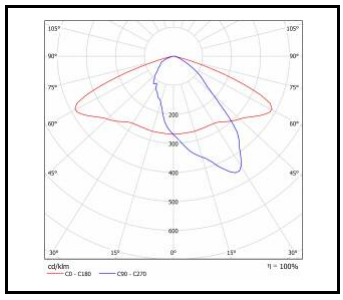
RM8HE



RM9HE



RMWHE



RW2HE

TIARA 2 LED M

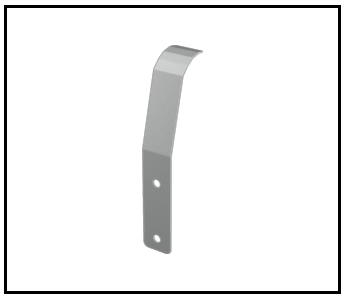
GENERAL CARD

ACCESSORIES AVAILABLE

index	Name
804625	TIARA 2 LED Adjustable bracket Dark Sky diameter 64 mm grey
989766	Tiara 2 LED 64mm handle cover
	wall holder (grey)
WSEL431	HAI HD05R RC Programming Remote Control for HD0406VRH IoT
UL00960	Backshield L (left) Tiara 2 LED M
UL00959	Backshield P (right) Tiara 2 LED M
UL00958	Backshield T (back) Tiara 2 LED M RAL9006 (MOQ 80szt.)
	wall holder (galvanized)
UL01350	Handle fi 76mm for Tiara 2 LED M and Tiara 2 LED S



TIARA 2 LED Adjustable bracket Dark Sky diameter 64 mm grey (804625)



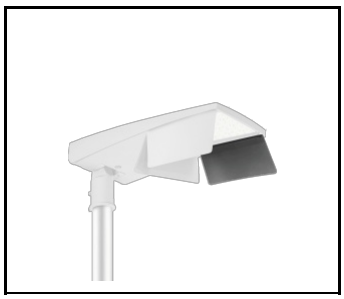
Tiara 2 LED 64mm handle cover (989766)



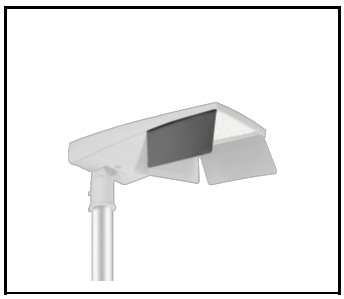
wall holder (grey) (314056)



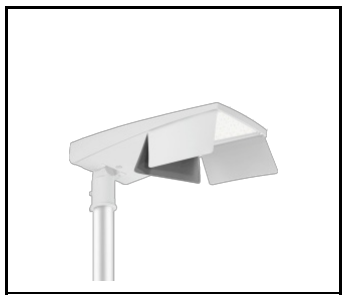
HAI HD05R RC Programming Remote Control for HD0406VRH IoT (WSEL431)



Backshield L (left) Tiara 2 LED M (UL00960)



Backshield P (right) Tiara 2 LED M (UL00959)



Backshield T (back) Tiara 2 LED M RAL9006 (MOQ 80szt.) (UL00958)



wall holder (galvanized) (314049)

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 andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 65/2023

LENA LIGHTING

Lena Lighting S.A.
ul. Kórnicka 52, 63-000 Środa Wielkopolska
tel. +48 61 28 60 333 (Pn-Pt, 8-16), e-mail: hello@lenalighting.pl, www.lenalighting.pl