

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

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 | >> 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 |

TIARA 2 LED M

GENERAL CARD

LUMINOUS INTENSITY DISTRIB. CURVE



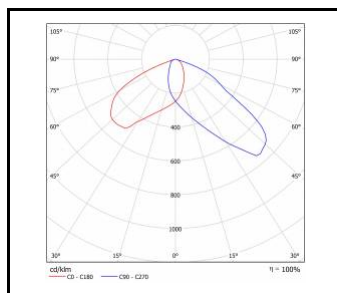
ASM2



ASN



ASW



PL1



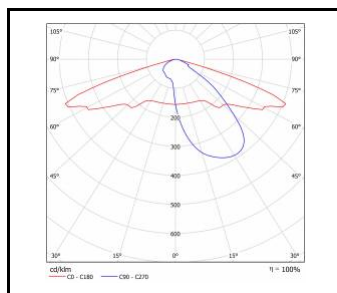
PP1



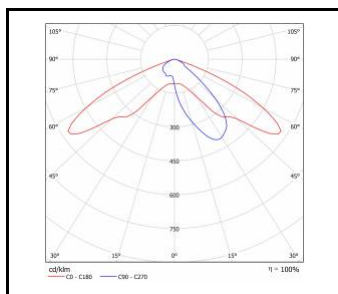
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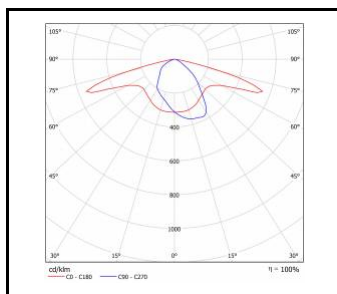
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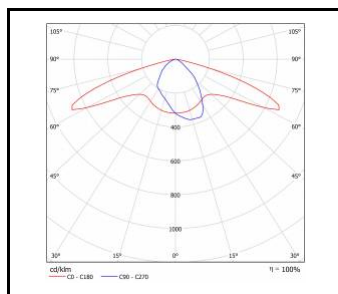
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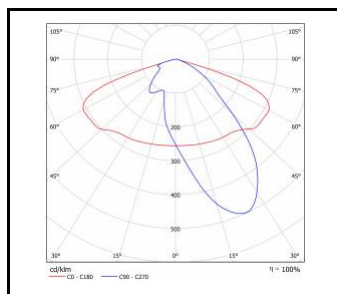
RM11HE



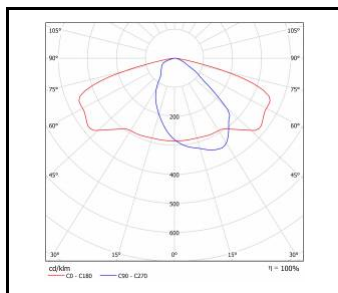
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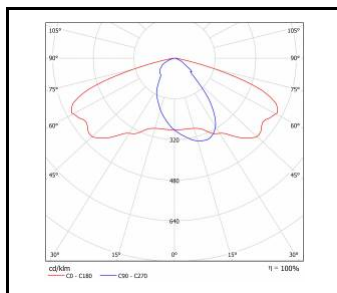
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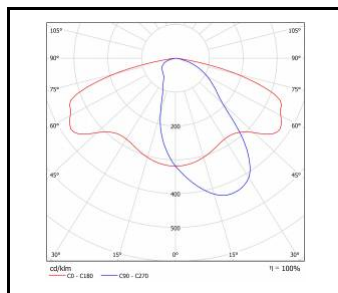
RM13



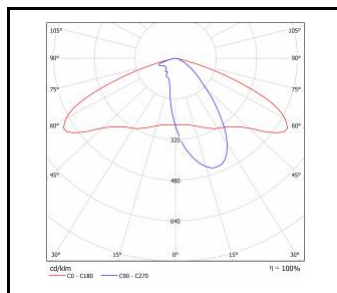
RM14



RM14HE



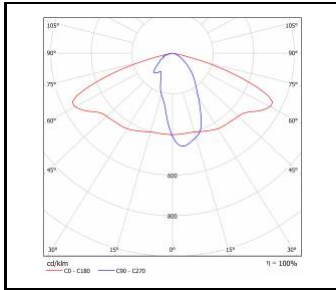
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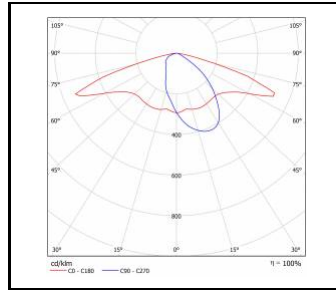
RM16

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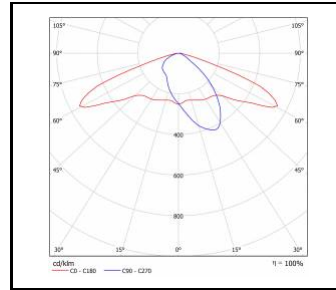
GENERAL CARD



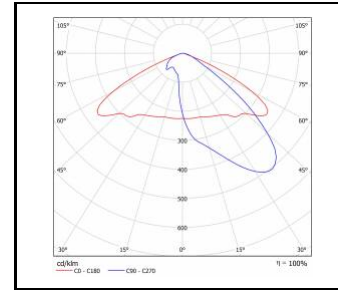
RM8HE



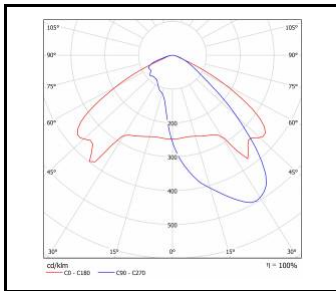
RM9



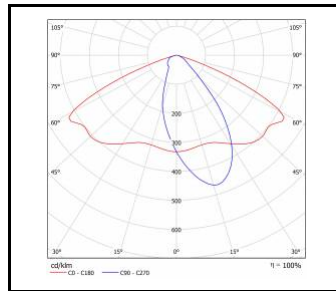
RM9HE



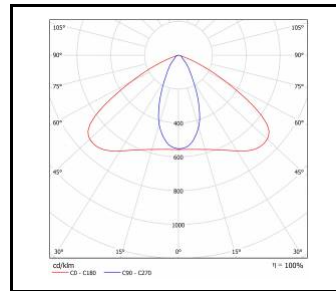
RMW



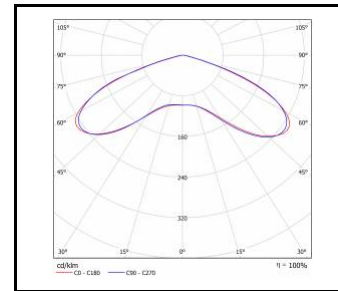
RMWHE



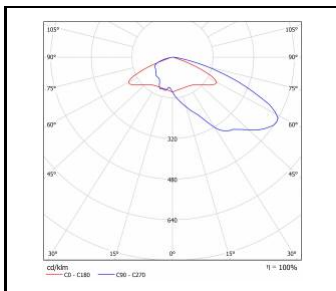
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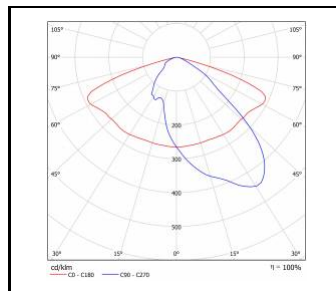
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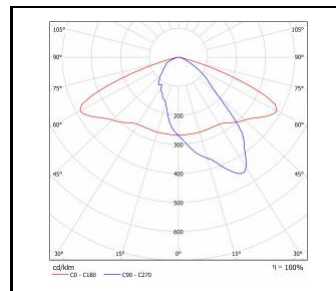
RP



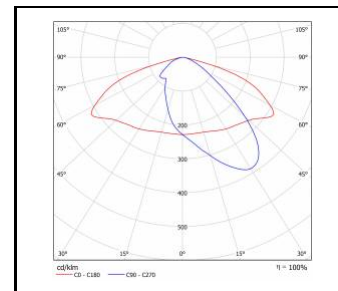
RW10



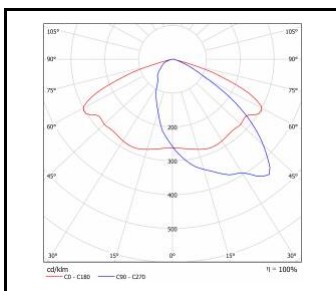
RW2



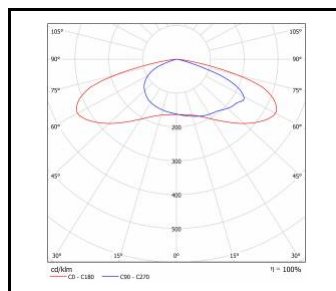
RW2HE



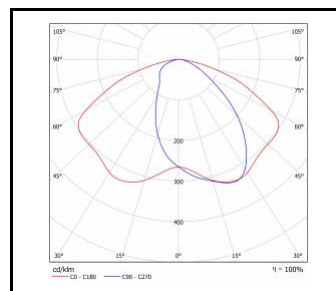
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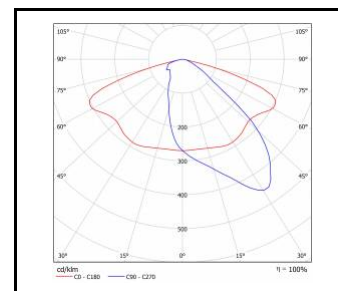
RW4



RW5



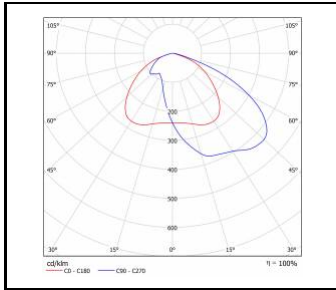
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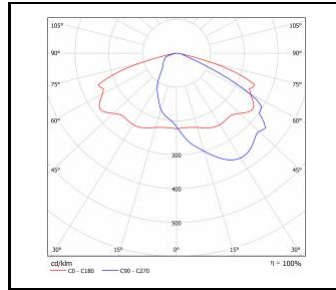
RW7

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RW8



RW9

TIARA 2 LED M

GENERAL CARD

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