# STRADO LED S

GENERAL CARD




## TECHNICAL PARAMETERS

| | |
|---|---|
| **Version:** | S |
| **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 - 109 |
| **Luminous flux [lm]*:** | 1075 - 13200 |
| **Luminous efficacy [lm/W]:** | 103 - 158 |
| **Energy efficiency class:** | B - E |
| **Electrical protection class:** | I; II |
| **Colour temperature [K]:** | 2200 - 6500 |
| **Color rendering index (Ra) >:** | > 70; > 80 |
| **Tilt angle adjustment [°]:** | -20 to +20 |
| **Technical Warranty:** | 5 with the possibility of extension to 10 |

## CHARACTERISTICS

STRADO LED is a new family of LED road luminaires. It uses directional multi-lens matrices, made of PMMA, with each lens having the same optics, ensuring that the luminous characteristics remain constant over time. Components from renowned manufacturers and state-of-the-art LED panels contribute to the very high luminous efficacy achieved at the output of the luminaire - reaching 165 lm/W. The upper part of the body has a separate electrical cavity in the body, which allows for efficient cooling of all power supply components, independently of the light module. The lower surface of the luminaire is finished entirely with toughened glass, providing high aesthetic qualities. The luminaire has an outgoing cable with a quick-release connector, which allows fast, convenient and reliable installation without opening the luminaire. Using standard tools, it is possible to service the luminaire, allowing any component to be replaced without soldering. The body and fixture are made of die-cast aluminium, powder-coated grey, and have a very high IP66 ingress protection rating and IK10 mechanical impact resistance. Standard features: fully programmable DALI driver; available functions for maintaining constant luminous flux during CLO and autonomous 5-step power reduction; NTC protection against accidental overheating of the luminaire; filter to prevent condensation; outgoing cable with quick-connector. Additional options: NEMA, ZHAGA connectors on the top of the luminaire; interfacing with control systems; additional SP10kV protection outside the power supply, on/off power supply without power reduction function; painting in any RAL colour. 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.

# STRADO LED S

GENERAL CARD

## AVAILABLE VERSIONS

Click index >>, to see details

Strado LED S

| 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 | 1225 | 153 | C | 4000 | 70 | II | RM7 | yes | >> 408007 |
| 10 | 1550 | 155 | C | 4000 | 70 | II | RM7 | yes | >> 408014 |
| 12 | 1850 | 154 | C | 4000 | 70 | II | RM7 | yes | >> 408021 |
| 14 | 2150 | 153 | C | 4000 | 70 | II | RM7 | yes | >> 408038 |
| 15 | 2250 | 150 | C | 4000 | 70 | II | RM7 | yes | >> 408045 |
| 16 | 2475 | 154 | C | 4000 | 70 | II | RM7 | yes | >> 408137 |
| 18 | 2800 | 155 | C | 4000 | 70 | II | RM7 | yes | >> 408052 |
| 21 | 3175 | 151 | C | 4000 | 70 | II | RM7 | yes | >> 408144 |
| 23 | 3450 | 150 | C | 4000 | 70 | II | RM7 | yes | >> 408069 |
| 24 | 3575 | 148 | C | 4000 | 70 | II | RM7 | yes | >> 408151 |
| 25 | 4125 | 165 | B | 4000 | 70 | II | RM7 | yes | >> 408076 |
| 26 | 4275 | 164 | B | 4000 | 70 | II | RM7 | yes | >> 408168 |
| 28 | 4575 | 163 | B | 4000 | 70 | II | RM7 | yes | >> 408083 |
| 29 | 4725 | 162 | B | 4000 | 70 | II | RM7 | yes | >> 408175 |
| 30 | 4875 | 162 | B | 4000 | 70 | II | RM7 | yes | >> 408090 |
| 31 | 5025 | 162 | B | 4000 | 70 | II | RM7 | yes | >> 408182 |
| 33 | 5350 | 162 | B | 4000 | 70 | II | RM7 | yes | >> 408106 |
| 34 | 5525 | 162 | B | 4000 | 70 | II | RM7 | yes | >> 408199 |
| 35 | 5650 | 161 | B | 4000 | 70 | II | RM7 | yes | >> 408113 |
| 36 | 5800 | 161 | B | 4000 | 70 | II | RM7 | yes | >> 408205 |
| 37 | 5950 | 160 | B | 4000 | 70 | II | RM7 | yes | >> 408120 |
| 39 | 6275 | 160 | B | 4000 | 70 | II | RM7 | yes | >> 408212 |
| 44 | 6925 | 157 | C | 4000 | 70 | II | RM7 | yes | >> 408229 |
| 47 | 7350 | 156 | C | 4000 | 70 | II | RM7 | yes | >> 408236 |
| 50 | 7800 | 156 | C | 4000 | 70 | II | RM7 | yes | >> 408243 |
| 52 | 8075 | 155 | C | 4000 | 70 | II | RM7 | yes | >> 408250 |
| 61 | 9300 | 152 | C | 4000 | 70 | II | RM7 | yes | >> 408267 |
| 65 | 9875 | 151 | C | 4000 | 70 | II | RM7 | yes | >> 408274 |
| 70 | 10525 | 150 | C | 4000 | 70 | II | RM7 | yes | >> 408281 |
| 76 | 11350 | 149 | C | 4000 | 70 | II | RM7 | yes | >> 408298 |
| 80 | 11775 | 147 | C | 4000 | 70 | II | RM7 | yes | >> 408304 |
| 84 | 12100 | 144 | C | 4000 | 70 | II | RM7 | yes | >> 408311 |
| 89 | 12625 | 141 | C | 4000 | 70 | II | RM7 | yes | >> 408328 |

# STRADO LED S

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 |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 13750 | 138 | C | 4000 | 70 | II | RM7 | yes | >> 408335 |
| 109 | 14475 | 132 | D | 4000 | 70 | II | RM7 | yes | >> 408342 |

Strado LED S 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 |
|---|---|---|---|---|---|---|---|---|---|
| 8 | 1300 | 162 | B | 4000 | 70 | II | RM7HE | yes | >> 841279 |
| 10 | 1625 | 162 | B | 4000 | 70 | II | RM7HE | yes | >> 841286 |
| 12 | 1950 | 162 | B | 4000 | 70 | II | RM7HE | yes | >> 841293 |
| 14 | 2275 | 162 | B | 4000 | 70 | II | RM7HE | yes | >> 841309 |
| 15 | 2400 | 160 | B | 4000 | 70 | II | RM7HE | yes | >> 841316 |
| 16 | 2625 | 164 | B | 4000 | 70 | II | RM7HE | yes | >> 841323 |
| 18 | 2975 | 165 | B | 4000 | 70 | II | RM7HE | yes | >> 841330 |
| 21 | 3375 | 160 | B | 4000 | 70 | II | RM7HE | yes | >> 841347 |
| 23 | 3650 | 158 | B | 4000 | 70 | II | RM7HE | yes | >> 841354 |
| 24 | 3800 | 158 | B | 4000 | 70 | II | RM7HE | yes | >> 841361 |
| 25 | 4525 | 181 | A | 4000 | 70 | II | RM7HE | yes | >> 841378 |
| 26 | 4700 | 180 | A | 4000 | 70 | II | RM7HE | yes | >> 841385 |
| 28 | 5050 | 180 | A | 4000 | 70 | II | RM7HE | yes | >> 841392 |
| 29 | 5200 | 179 | A | 4000 | 70 | II | RM7HE | yes | >> 841408 |
| 30 | 5375 | 179 | A | 4000 | 70 | II | RM7HE | yes | >> 841415 |
| 31 | 5575 | 179 | A | 4000 | 70 | II | RM7HE | yes | >> 841422 |
| 33 | 5900 | 178 | B | 4000 | 70 | II | RM7HE | yes | >> 841439 |
| 34 | 6075 | 178 | B | 4000 | 70 | II | RM7HE | yes | >> 841446 |
| 35 | 6250 | 178 | B | 4000 | 70 | II | RM7HE | yes | >> 841453 |
| 36 | 6425 | 178 | B | 4000 | 70 | II | RM7HE | yes | >> 841460 |
| 37 | 6575 | 177 | B | 4000 | 70 | II | RM7HE | yes | >> 841477 |
| 39 | 6900 | 176 | B | 4000 | 70 | II | RM7HE | yes | >> 841484 |
| 44 | 7525 | 171 | B | 4000 | 70 | II | RM7HE | yes | >> 841491 |
| 47 | 8075 | 171 | B | 4000 | 70 | II | RM7HE | yes | >> 841507 |
| 50 | 8575 | 171 | B | 4000 | 70 | II | RM7HE | yes | >> 841514 |
| 52 | 8875 | 170 | B | 4000 | 70 | II | RM7HE | yes | >> 841521 |
| 61 | 10250 | 168 | B | 4000 | 70 | II | RM7HE | yes | >> 841538 |
| 65 | 10800 | 166 | B | 4000 | 70 | II | RM7HE | yes | >> 841545 |
| 70 | 11550 | 165 | B | 4000 | 70 | II | RM7HE | yes | >> 841552 |
| 76 | 12375 | 162 | B | 4000 | 70 | II | RM7HE | yes | >> 841569 |
| 80 | 12475 | 155 | C | 4000 | 70 | II | RM7HE | yes | >> 841576 |
| 84 | 12875 | 153 | C | 4000 | 70 | II | RM7HE | yes | >> 841583 |
| 89 | 13375 | 150 | C | 4000 | 70 | II | RM7HE | yes | >> 841590 |

# STRADO LED S

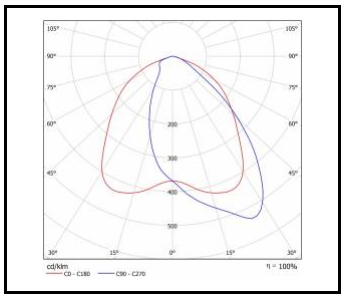
GENERAL CARD

| 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 |
|---|---|---|---|---|---|---|---|---|---|
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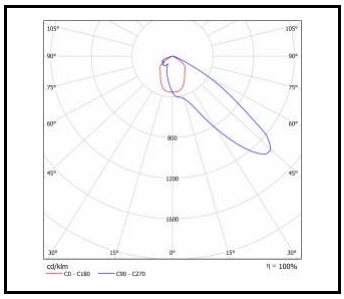
# STRADO LED S

GENERAL CARD

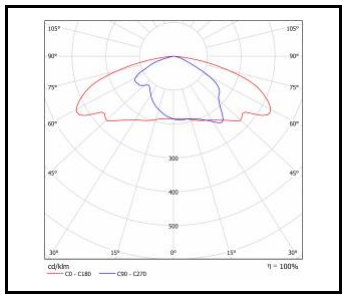
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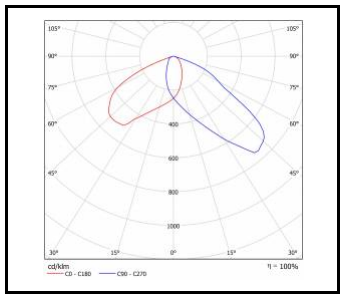
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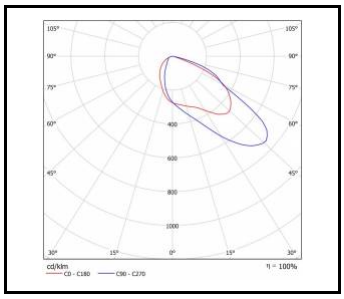
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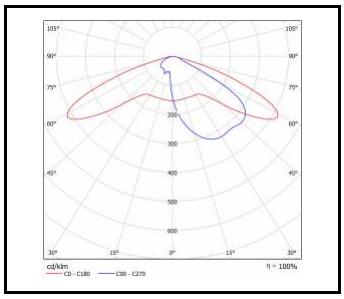
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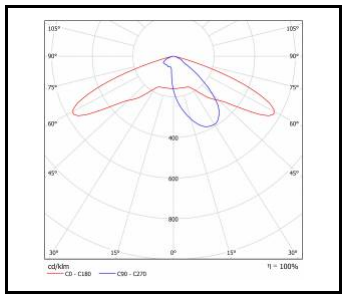
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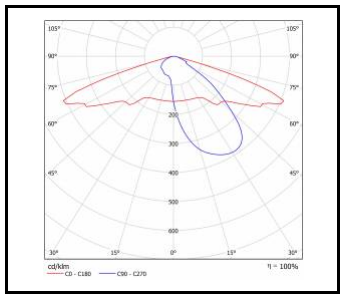
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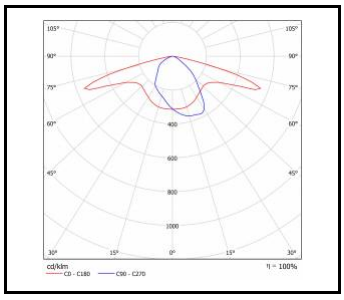
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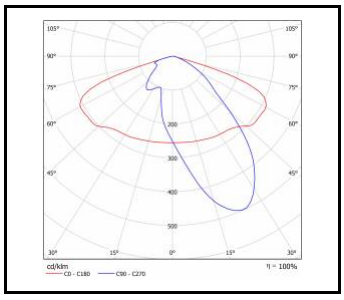
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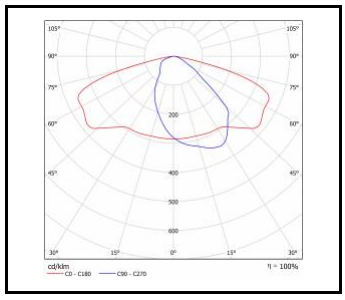
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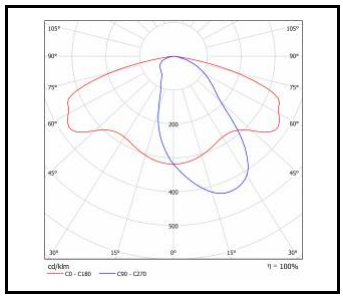
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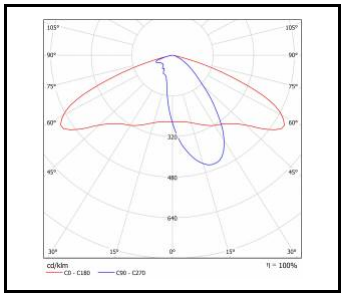
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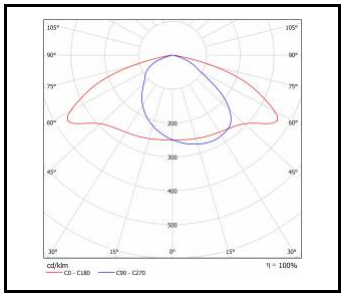
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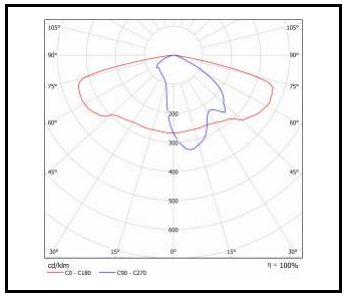
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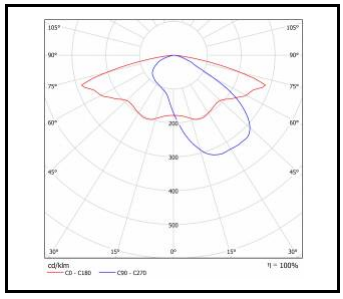
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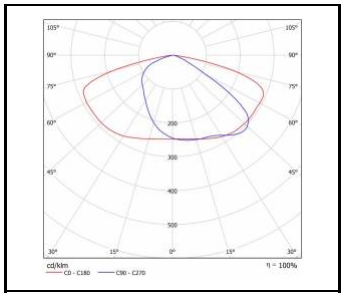
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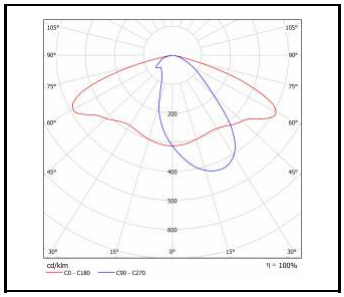
RM19

# STRADO LED S

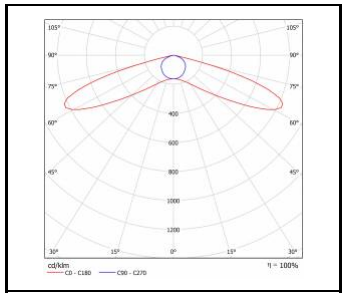
GENERAL CARD



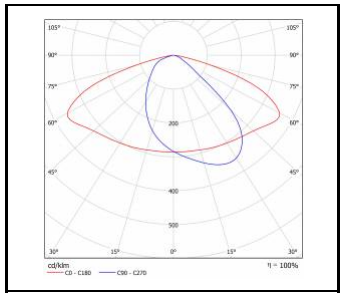
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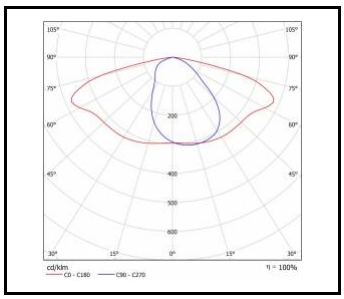
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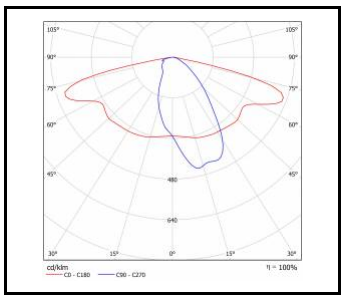
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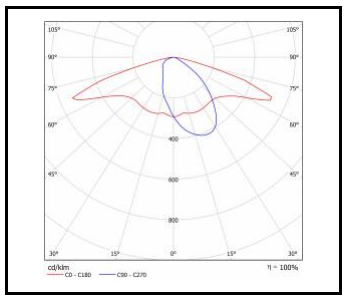
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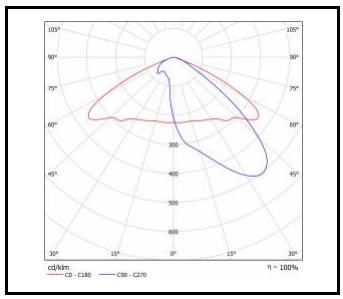
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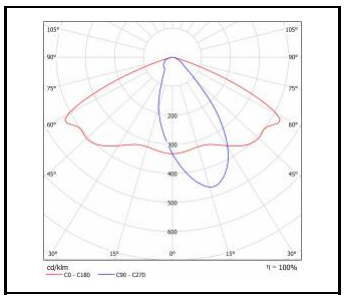
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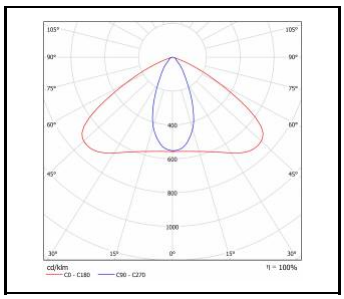
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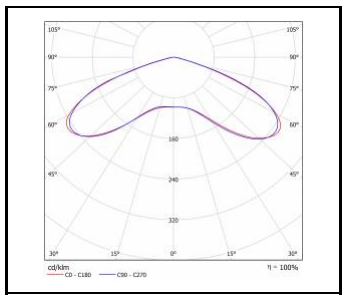
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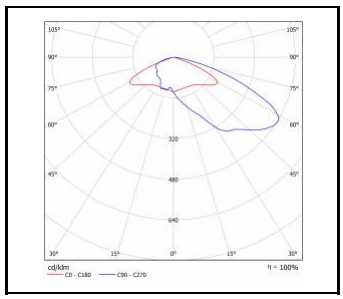
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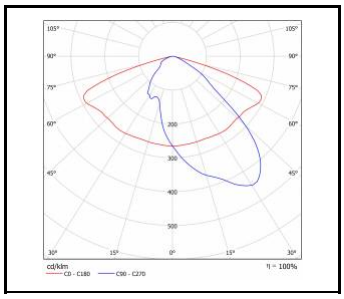
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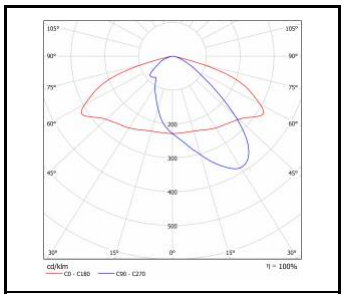
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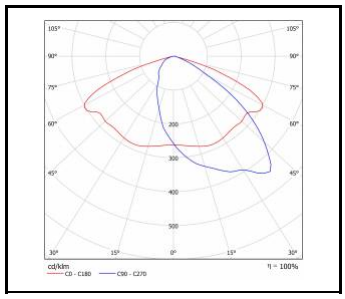
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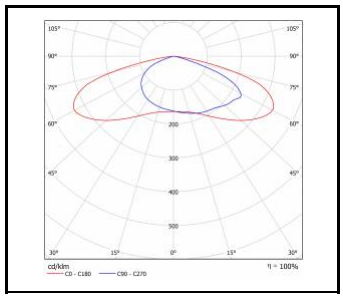
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RW3



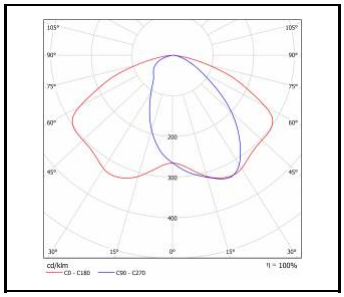
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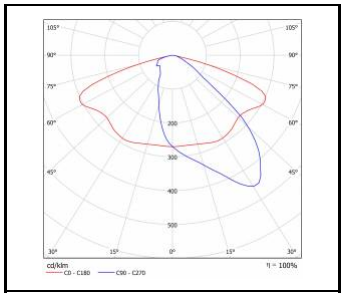
RW5

# STRADO LED S

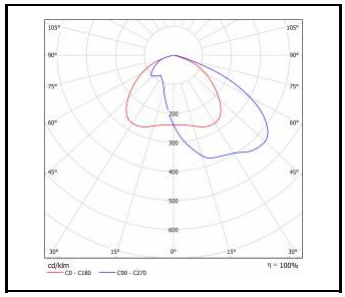
GENERAL CARD



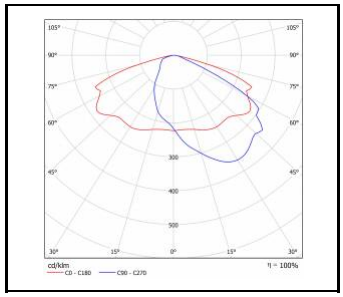
RW6



RW7



RW8



RW9

# STRADO LED S

GENERAL CARD

## ACCESSORIES AVAILABLE

| index | Name |
|---|---|
| WSEL431 | HAI HD05R RC Programming Remote Control for HD0406VRH IoT |
| | wall holder (grey) |
| 842139 | Backshield T (back) Strado LED S RAL9006 |
| 842146 | Backshield P (right) Strado LED S RAL9006 |
| 842153 | Backshield L (left) Strado LED S RAL9006 |
| | wall holder (galvanized) |



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



wall holder (grey) (314056)



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: 85/2023

LENA LIGHTING

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