

# HELIUS<sup>®</sup> 120

## Outdoor Lighting



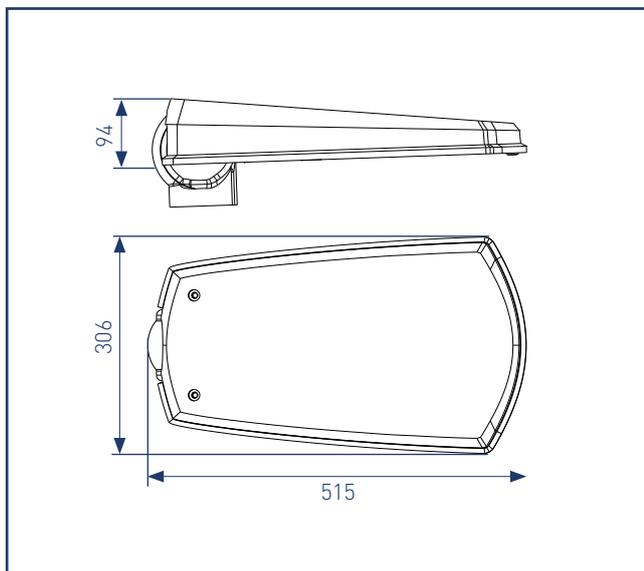
### Your product advantages

- ✓ **Sustainable:** Tool-less change of electronic and LED modules
- ✓ **Reliable:** Lifetime of the LED driver and LED modules at 85,000 h
- ✓ **Easy installation:** Orientation possibilities smooth between -10° to +115°
- ✓ **Future proof:** Optimised design specially conceived for use of most modern LED technology

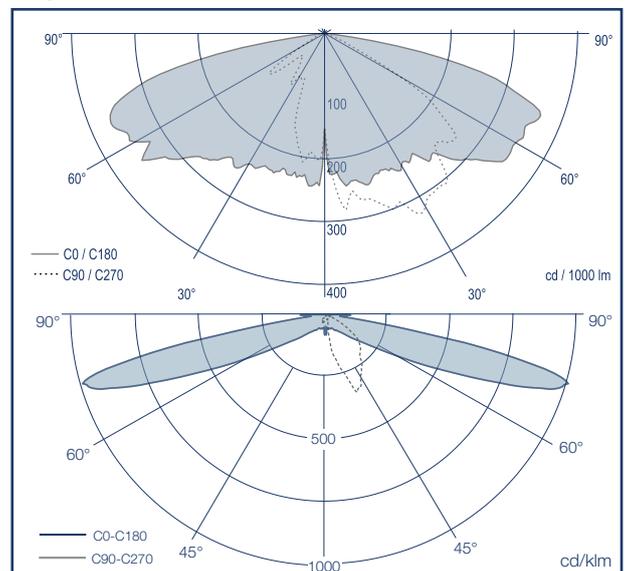
### Application areas

Major roads, roads in residential areas, cycle paths

### Dimensions (mm)



### Light distribution (asymmetric wide beam / wide beam)



**HELIUS® 120**

**Basic**

**Eco**

| Lighting fixtures body                       |  |                             |
|--|--|-----------------------------|
| Material                                     | Die cast aluminium                                   |                             |
| Colour (powder coating)                      | RAL or DB  |                             |
| Mounting type                                | Post top or side mounting                            |                             |
| Orientation possibilities                    | -10° – +115° (in 5°-steps)                           |                             |
| Dimension (length x width x height)          | 515 x 306 x 94 mm                                    |                             |
| Weight                                       | app. 7 kg  |                             |
| Exposed wind surface                         | 0,04 m <sup>2</sup>                                  |                             |
| IP Protection class                          | IP 66  |                             |
| Glass type                                   | Safety glass   |                             |
| Shock resistance                             | IK 08  |                             |
| Photometric properties                       |  |                             |
| Light source                                 | LED-Modules with High-Power-LED                      |                             |
| Optical system                               | Asymmetric and diffusing light distribution          |                             |
| Rated luminous flux                          | 1,300 / 2,000 / 2,600 / 3,400 lm                     | 1,000 - 3,400 lm            |
| Light efficiency                             | app. 115 lm/W  | app. 115 lm/W               |
| Colour temperature                           | 3,000 / 4,300 K                                      |                             |
| Colour rendering index (Ra)                  | > 70   |                             |
| Dimming (power control)                      | –  | Power line control /digital |
| Rated lifetime at (ta) 30°C                  | 80,000 h at L80/B10                                  | 85,000 h at L80/B10         |
| Temperature management                       | –  | ✓                           |
| Constant Light Output (CLO)                  | –  | ✓                           |
| Electrical properties                        |  |                             |
| Rated power                                  | 12 / 18 / 22 / 30 W W                                | 8 – 30 W (2 W steps)        |
| Electrical protection class                  | Class I / II   |                             |
| Rated voltage                                | 120 – 277 V  |                             |
| Frequence                                    | 50 – 60 Hz   |                             |
| Surge protection (L–N / L N–ground)          | 6 kV   | 6 / 8 kV                    |
| Installation suggestions                     |  |                             |
| Application areas                            | Major roads, roads in residential areas, cycle paths |                             |
| Light point height                           | 3,5 – 6 m  |                             |
| Lighting classes                             | ME/S   |                             |
| Admitted ambient temperature (ta)            | -25°C – +35°C  |                             |
| Other properties                             |  |                             |
| Certificate                                  | ENEC*, CE  |                             |
| Connection to circuit breaker (B16)          | 17 pcs.  |                             |
| Options                                      |  |                             |
| Reduction part to Ø60, 42x100 mm             | ✓  |                             |
| Additional part Over-tension resistant       | 10 kV  |                             |
| DALI Interface (not with power line control) | –  | ✓                           |

\* on the way of approval

