



## TECHNICAL DATA

|                                    |                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Application</b>                 | pedestrian crossings                                                                             |
| <b>Assembly</b>                    | on extension arms with ø 60 x 90 mm ending                                                       |
| <b>Colour</b>                      | inox / black                                                                                     |
| <b>Ingress protection</b>          | IP 66 for the optical part and the driver                                                        |
| <b>Optical system</b>              | PMMA optics                                                                                      |
| <b>Material</b>                    | anodised aluminium alloy                                                                         |
| <b>Operating temperature range</b> | from -40°C to +55°C (for 36 W), from -40°C to +40°C (for 45 W)                                   |
| <b>Expected useful lifetime</b>    | L90B10 - 100 000 h                                                                               |
| <b>CRI</b>                         | >70                                                                                              |
| <b>Input voltage frequency</b>     | 50/60Hz                                                                                          |
| <b>Power factor</b>                | ≥0.95                                                                                            |
| <b>Number of LED</b>               | 12                                                                                               |
| <b>Control system</b>              | Luminaire has the possibility to connect to an external control system via analog signal 1- 10V. |



## TABLE OF VARIANTS

| Code                        | Symbol         | LED power | Luminaire power consumption | LED forward current | Colour temperature (CCT) | LEDs luminous flux <sup>1</sup> | Luminaire luminous flux <sup>1</sup> | Luminous efficacy <sup>1</sup> | Unit volume | Inrush current | Net weight |
|-----------------------------|----------------|-----------|-----------------------------|---------------------|--------------------------|---------------------------------|--------------------------------------|--------------------------------|-------------|----------------|------------|
| 2132032/1/... <sup>2</sup>  | ISKRA LED P 36 | 36 W      | 39.5 W                      | 960 mA              | 2700 K                   | 5350 lm                         | 4900 lm                              | 124 lm/W                       | 0.005 m³    | 50A / 210µs    | 2.1 kg     |
| 2132032/3 /... <sup>2</sup> | ISKRA LED 36 P | 36 W      | 39.5 W                      | 960 mA              | 3500 K                   | 5700 lm                         | 5200 lm                              | 132 lm/W                       | 0.005 m³    | 50A / 210µs    | 2.1 kg     |
| 2132032/4 /... <sup>2</sup> | ISKRA LED 36 P | 36 W      | 39.5 W                      | 960 mA              | 4000 K                   | 6050 lm                         | 5550 lm                              | 141 lm/W                       | 0.005 m³    | 50A / 210µs    | 2.1 kg     |
| 2132032/6 /... <sup>2</sup> | ISKRA LED 36 P | 36 W      | 39.5 W                      | 960 mA              | 5000 K                   | 6050 lm                         | 5550 lm                              | 141 lm/W                       | 0.005 m³    | 50A / 210µs    | 2.1 kg     |
| 2132045/1/... <sup>2</sup>  | ISKRA LED P 45 | 45 W      | 52 W                        | 1250 mA             | 2700 K                   | 6400 lm                         | 5850 lm                              | 124 lm/W                       | 0.005 m³    | 50A / 210µs    | 2.1 kg     |
| 2132045/3 /... <sup>2</sup> | ISKRA LED 45 P | 45 W      | 52 W                        | 1250 mA             | 3500 K                   | 6800 lm                         | 6250 lm                              | 132 lm/W                       | 0.005 m³    | 55A / 270µs    | 2.1 kg     |
| 2132045/4 /... <sup>2</sup> | ISKRA LED 45 P | 45 W      | 52 W                        | 1250 mA             | 4000 K                   | 7200 lm                         | 6600 lm                              | 141 lm/W                       | 0.005 m³    | 55A / 270µs    | 2.1 kg     |
| 2132045/6 /... <sup>2</sup> | ISKRA LED 45 P | 45 W      | 52 W                        | 1250 mA             | 5000 K                   | 7200 lm                         | 6600 lm                              | 141 lm/W                       | 0.005 m³    | 55A / 270µs    | 2.1 kg     |

1) tolerance +/- 7% due to LEDs accuracy

## DIRECTIVES AND STANDARDS

**DIRECTIVES:** 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE RoHS (Official Journal of the UE L 174/88 01.07.2011), 2009/125/EC(Official Journal of the UE L 285/10 31.10.2009)

**STANDARDS:** PN-EN IEC 60598-1: 2021-7, PN-EN 60598-2-3: 2006, PN-EN 60529: 2003, PN-EN 62262: 2003, PN-EN 62471:2010, PN-EN 55015: 2019, PN-EN 61547: 2009, PN-EN 61000-3-2: 2019 , PN-EN 61000-3-3: 2014

Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

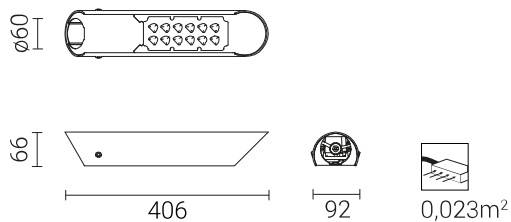
## REMOVING ELECTROSTATIC CHARGE FROM LED LUMINAIRE BODY

In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:

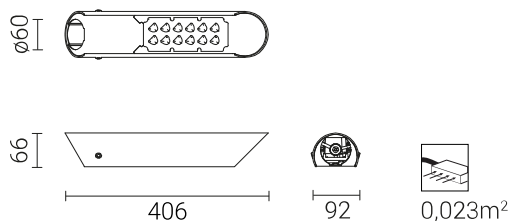
- functional grounding
- LED luminaire with an additional protection device

## TECHNICAL DRAWING

crosswalks for roads with right-hand traffic

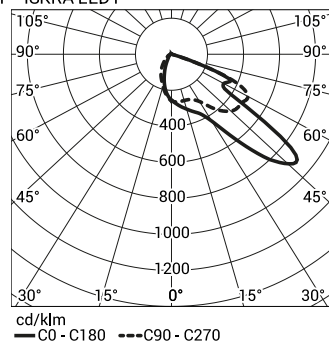


crosswalks for roads with left-hand traffic

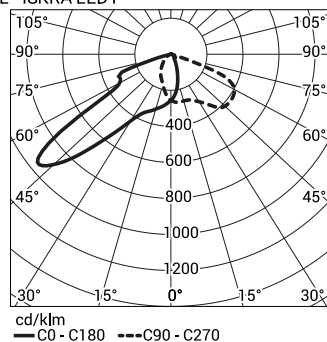


## PHOTOMETRIC CURVES

P - ISKRA LED P



L - ISKRA LED P



## POWER SYSTEM FUNCTIONS

The luminaire can optionally be connected to an external control system via the 1-10V interface.

The standard functions of the intelligent power supply system are provided by the ISKRA LED PROG, ISKRA LED ALFA PROG, ISKRA LED P PROG and ISKRA LED P ALFA PROG