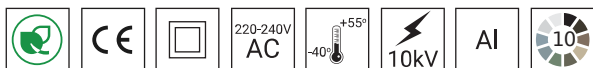




## TECHNICAL DATA

|                             |                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------|
| Anodising                   | 10 colours                                                                                       |
| Assembly                    | on column with ø60x50 mm ending                                                                  |
| Application                 | pedestrian crossings                                                                             |
| Ingress protection          | IP 66 for the optical part and the driver                                                        |
| Optical system              | PMMA optics                                                                                      |
| Material                    | anodised aluminium alloy                                                                         |
| Operating temperature range | from -40°C to +55°C (for 36 W), from -40°C to +40°C (for 45 W)                                   |
| Expected useful lifetime    | L90B10 - 100 000 h                                                                               |
| Input voltage frequency     | 50 - 60Hz                                                                                        |
| Power factor                | ≥0,95                                                                                            |
| Number of LED               | 12                                                                                               |
| Control system              | 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 |
|----------------------------|-----------------------------|-----------|-----------------------------|---------------------|--------------------------|---------------------------------|--------------------------------------|--------------------------------|-------------|----------------|------------|
| 2133032/1/... <sup>2</sup> | ISKRA LED P 36 ALFA         | 36 W      | 39,5 W                      | 960 mA              | 2700 K                   | 5350 lm                         | 4900 lm                              | 124 lm/W                       | 0,01 m³     | 50A / 210µs    | 2,5 kg     |
| 2133032/3/... <sup>2</sup> | ISKRA LED P 36 ALFA         | 36 W      | 39,5 W                      | 960 mA              | 3500 K                   | 5700 lm                         | 5200 lm                              | 132 lm/W                       | 0,01 m³     | 50A / 210µs    | 2,5 kg     |
| 2133032/4/... <sup>2</sup> | ISKRA LED P 36 ALFA         | 36 W      | 39,5 W                      | 960 mA              | 4000 K                   | 6050 lm                         | 5550 lm                              | 141 lm/W                       | 0,01 m³     | 50A / 210µs    | 2,5 kg     |
| 2133032/6/... <sup>2</sup> | ISKRA LED P 36 ALFA         | 36 W      | 39,5 W                      | 960 mA              | 5000 K                   | 6050 lm                         | 5550 lm                              | 141 lm/W                       | 0,01 m³     | 50A / 210µs    | 2,5 kg     |
| 2133045/1/... <sup>2</sup> | ISKRA LED P ALFA 45         | 45 W      | 52 W                        | 1250 mA             | 2700 K                   | 6400 lm                         | 5850 lm                              | 113 lm/W                       | 0,01 m³     | 50A / 210µs    | 2,5 kg     |
| 2133045/3/... <sup>2</sup> | ISKRA LED P ALFA 45         | 45 W      | 52 W                        | 1250 mA             | 3500 K                   | 6800 lm                         | 6250 lm                              | 120 lm/W                       | 0,01 m³     | 50A / 210µs    | 2,5 kg     |
| 2133045/4/... <sup>2</sup> | ISKRA LED P ALFA 45 - 4000K | 45 W      | 52 W                        | 1250 mA             | 4000 K                   | 7200 lm                         | 6600 lm                              | 127 lm/W                       | 0,01 m³     | 50A / 210µs    | 2,5 kg     |
| 2133045/6/... <sup>2</sup> | ISKRA LED P ALFA 45 - 5000K | 45 W      | 52 W                        | 1250 mA             | 5000 K                   | 7200 lm                         | 6600 lm                              | 127 lm/W                       | 0,01 m³     | 50A / 210µs    | 2,5 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

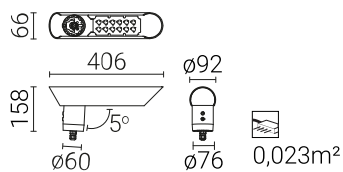
## REMOVING ELECTROSTATIC CHARGE FROM LED LUMINAIRE BODY

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:

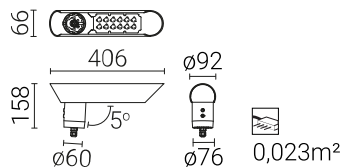
- functional grounding
- LED luminaire with an additional protection device

## TECHNICAL DRAWING

crosswalks for roads with right-hand traffic

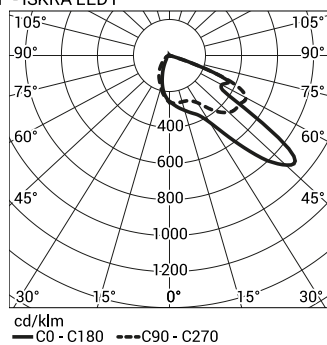


crosswalks for roads with left-hand traffic

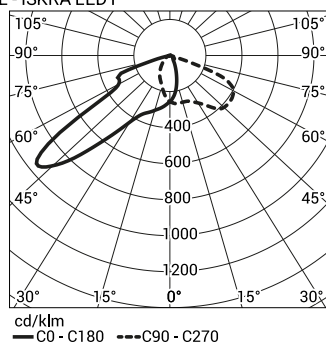


## PHOTOMETRIC CURVES

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