ISKRA LED P PROG

TECHNICAL DATA

Assembly	on extension arms with ⌀ 60 x 90 mm ending
Application	pedestrian crossings
Colour	inox / black
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
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 DALI interface (optionally via analog signal 1- 10V).

TABLE OF VARIANTS

Code	Symbol	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux[1]	Luminaire luminous flux[1]	Luminous efficacy[1]	Unit volume	Inrush current	Net weight
21320132/1/...[2]	ISKRA LED P 36 PROG	36 W	40 W	1000 mA	2700 K	5550 lm	5100 lm	128 lm/W	0.005 m³	21A / 225µs	2 kg
21320132/3/...[2]	ISKRA LED P 36 PROG	36 W	40 W	1000 mA	3500 K	5900 lm	5400 lm	135 lm/W	0.005 m³	22A / 290µs	2 kg
21320132/4/...[2]	ISKRA LED P 36 PROG	36 W	40 W	1000 mA	4000 K	6250 lm	5700 lm	143 lm/W	0.005 m³	22A / 290µs	2 kg
21320132/6/...[2]	ISKRA LED P 36 PROG	36 W	40 W	1000 mA	5000 K	6250 lm	5700 lm	143 lm/W	0.005 m³	22A / 290µs	2 kg

1) tolerance +/- 3% 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

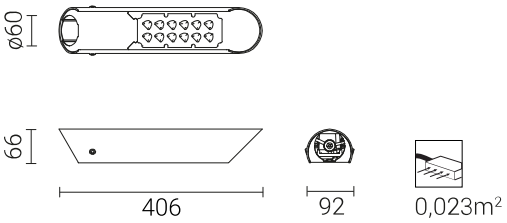
In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:
- functional grounding
- LED luminaire with an additional protection device

Zakład Produkcji Sprzętu Oświetleniowego „ROSA” Sp. z o.o.
43-109 Tychy, ul. Strefowa 1 tel. +48 32 73 88 901
www.rosa.pl

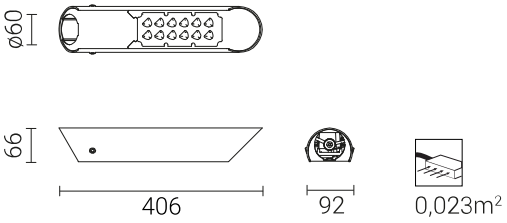
ISKRA LED P PROG

TECHNICAL DRAWING

crosswalks for roads with right-hand traffic

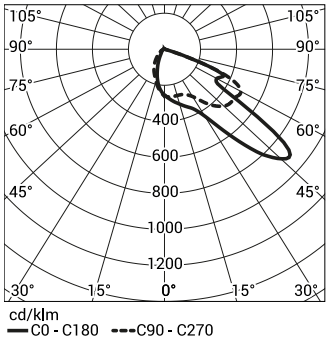


crosswalks for roads with left-hand traffic

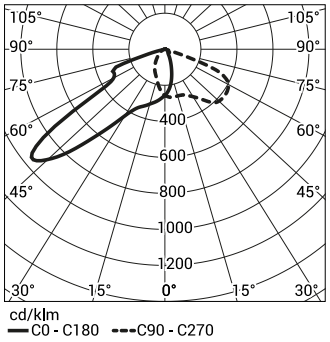


PHOTOMETRIC CURVES

P - ISKRA LED P



L - ISKRA LED P



POWER SYSTEM FUNCTIONS

Luminaire in standard has following functions of intelligent power supply:

– Connection to outside control system by DALI interface (operation of analog signal 1-10V as an option),
– Possibility of programming multistage dimming of luminaire, up to 5 intervals in the range of from 10 to 100% of nominal power,
– LED module equipped with thermal protection implemented via an NTC thermistor,
– Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

ACCETABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

Overcurrent switches MCB type B or C

Luminaire	Type	2A	4A	6A	10A	16A	20A	25A
ISKRA LED P PROG	B	2	4	8	12	20	25	31
	C	2	8	12	20	34	41	52

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
ISKRA LED P PROG	4	9	14	25	39	50	62

Zakład Produkcji Sprzętu Oświetleniowego „ROSA” Sp. z o.o.
43-109 Tychy, ul. Strefowa 1 tel. +48 32 73 88 901
www.rosa.pl