ISKRA LED

TECHNICAL DATA

Assembly	on extension arms with ⌀ 60 x 90 mm ending
Application	urban roads, residential roads (internal), parks, pedestrians, bicycle routes
Ingress protection	IP 66 for the optical part and the driver
Material	anodised aluminium alloy
Unit volume	0,001 m³
Operating temperature range	from -40°C to +55°C
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Inrush current	50 A / 210 µs
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[1]	Luminaire luminous flux[1]	Luminous efficacy[1]	Net weight
213230/1/...[2]	ISKRA LED 24	27 W	30 W	760 mA	2700 K	4450 lm	4050 lm	135 lm/W	2.1 kg
213230/3/...[2]	ISKRA LED 24	27 W	30 W	760 mA	3500 K	4700 lm	4300 lm	143 lm/W	2.1 kg
213230/4/...[2]	ISKRA LED 24	27 W	30 W	760 mA	4000 K	5000 lm	4600 lm	153 lm/W	2.1 kg
213230/6/...[2]	ISKRA LED 24	27 W	30 W	760 mA	5000 K	5000 lm	4600 lm	153 lm/W	2.1 kg
213232/1/...[2]	ISKRA LED 36	36 W	39.5 W	960 mA	2700 K	5350 lm	4900 lm	124 lm/W	2.1 kg
213232/3/...[2]	ISKRA LED 36	36 W	39.5 W	960 mA	3500 K	5700 lm	5200 lm	132 lm/W	2.1 kg
213232/4/...[2]	ISKRA LED 36	36 W	39.5 W	960 mA	4000 K	6050 lm	5550 lm	141 lm/W	2.1 kg
213232/6/...[2]	ISKRA LED 36	36 W	39.5 W	960 mA	5000 K	6050 lm	5550 lm	141 lm/W	2.1 kg

1) tolerance +/- 7% due to LEDs accuracy
2) symbol of chosen optical system eg. 213230/6/T2 is ISKRA LED 24 5000 K with T2 optical system
3) ENEC certicate valid only if T2_E, T3_E, ME_E, SP_E and DW_E optics are used. For luminaires with these optics impact protection class is IK08

DIRECTIVES AND STANDARDS

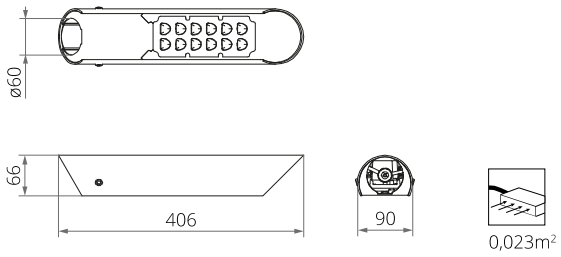
DIRECTIVES: 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE RoHS (Official Journal of the UE L 174/88 01.07.2011), 2009/125/EC(Official Journal of the UE L 285/10 31.10.2009)
STANDARDS: PN-EN IEC 60598-1: 2021-7, PN-EN 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



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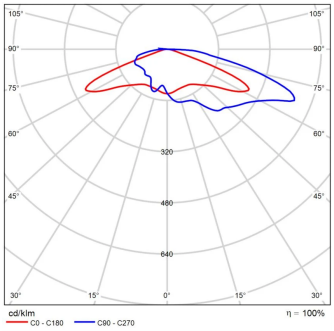
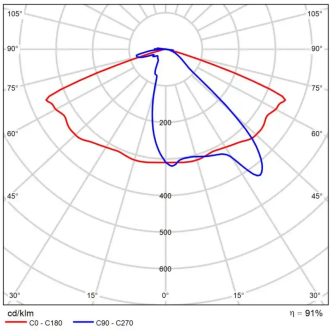
ISKRA LED

PHOTOMETRIC CURVES

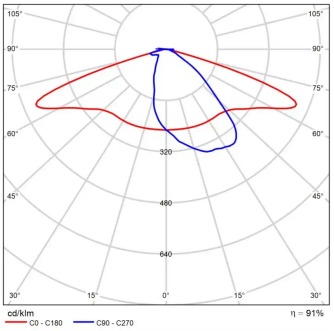
T4



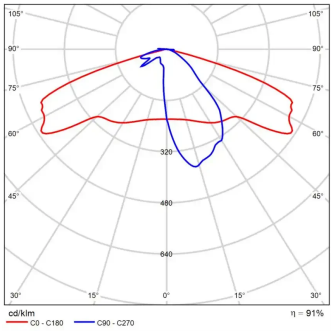
ME



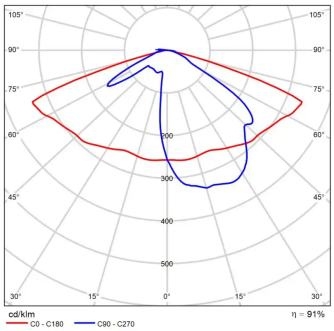
DW



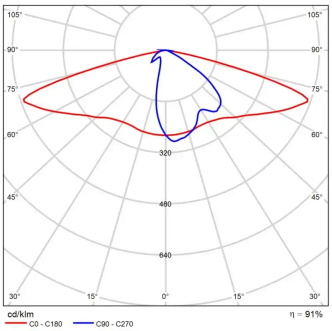
T2



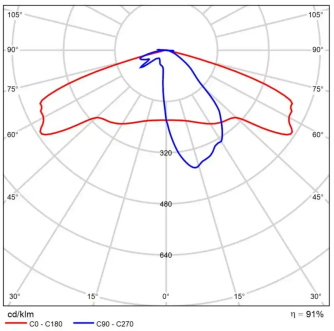
T3



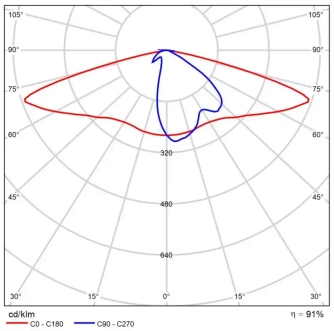
SP



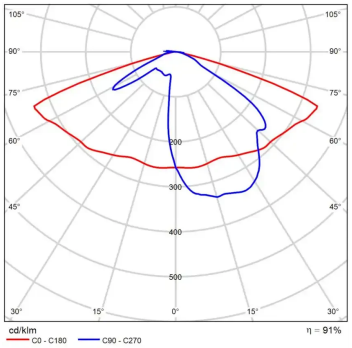
T2_E



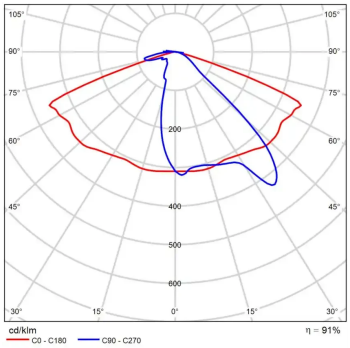
SP_E



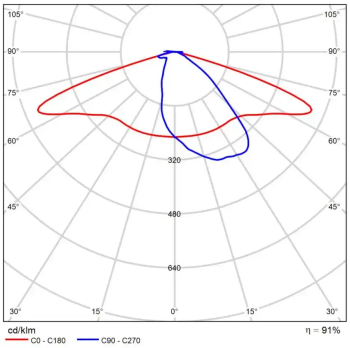
T3_E



ME_E



DW_E



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

ACCETABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

Overcurrent switches MCB type B or C

Luminaire	Typ	2 A	4 A	6 A	10 A	16 A	20 A	25 A
ISKRA LED	B	1	3	4	7	12	15	18
	C	1	5	7	12	20	24	31

Fuse – type gG and GL

Luminaire	2 A	4 A	6 A	10 A	16 A	20 A	25 A
ISKRA LED	0	4	8	11	21	29	42

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