



TECHNICAL DATA

Anodising	10 colours
Assembly	on column with ø60x50 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	21 A / 225 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 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 flux¹	Luminaire luminous flux¹	Luminous efficacy¹	Net weight
2133127/1/...²	ISKRA LED ALFA 12 PROG	12 W	14 W	350 mA	2700 K	2250 lm	2050 lm	146 lm/W	2,2 kg
2133127/3/...²	ISKRA LED ALFA 12 PROG	12 W	14 W	350 mA	3500 K	2400 lm	2200 lm	157 lm/W	2,2 kg
2133127/4/...²	ISKRA LED ALFA 12 PROG	12 W	14 W	350 mA	4000 K	2550 lm	2350 lm	168 lm/W	2,2 kg
2133127/6/...²	ISKRA LED ALFA 12 PROG	12 W	14 W	350 mA	5000 K	2550 lm	2350 lm	168 lm/W	2,2 kg
2133130/1/...²	ISKRA LED ALFA 24 PROG	24 W	28 W	700 mA	2700 K	4150 lm	3800 lm	136 lm/W	2,2 kg
2133130/3/...²	ISKRA LED ALFA 24 PROG	24 W	28 W	700 mA	3500 K	4400 lm	4050 lm	145 lm/W	2,2 kg
2133130/4/...²	ISKRA LED ALFA 24 PROG	24 W	28 W	700 mA	4000 K	4650 lm	4250 lm	152 lm/W	2,2 kg
2133130/6/...²	ISKRA LED ALFA 24 PROG	24 W	28 W	700 mA	5000 K	4650 lm	4250 lm	152 lm/W	2,2 kg
2133132/1/...²	ISKRA LED ALFA 36 PROG	36 W	40 W	1000 mA	2700 K	5550 lm	5100 lm	128 lm/W	2,2 kg
2133132/3/...²	ISKRA LED ALFA 36 PROG	36 W	40 W	1000 mA	3500 K	5900 lm	5400 lm	135 lm/W	2,2 kg
2133132/4/...²	ISKRA LED ALFA 36 PROG	36 W	40 W	1000 mA	4000 K	6250 lm	5700 lm	143 lm/W	2,2 kg
2133132/6/...²	ISKRA LED ALFA 36 PROG	36 W	40 W	1000 mA	5000 K	6250 lm	5700 lm	143 lm/W	2,2 kg

1) tolerance +/- 5% due to LEDs accuracy

2) symbol of chosen optical system eg. 2133130/6/T2 is ISKRA LED ALFA 24 PROG 5000 K with T2 optical system

3) ENEC certificate valid only if T2_E, T3_E and ME_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

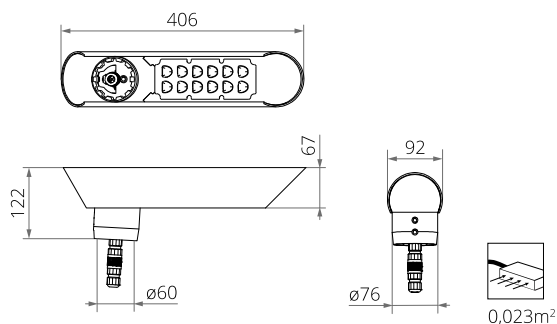
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

REMOVING ELECTROSTATIC CHARGE FROM LED LUMINAIRE BODY

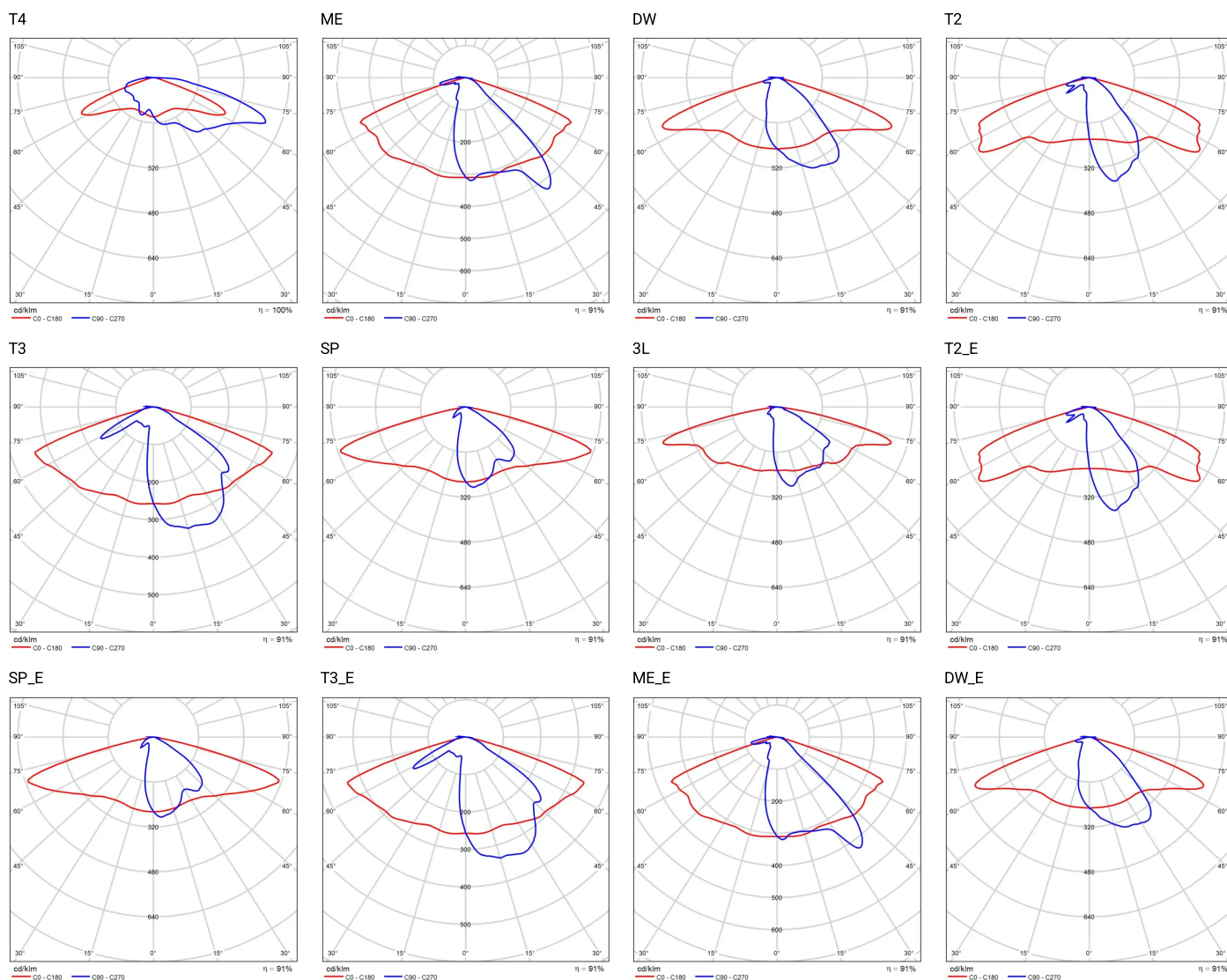
In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:

- functional grounding
- LED luminaire with an additional protection device

TECHNICAL DRAWING



PHOTOMETRIC CURVES



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	Typ	2 A	4 A	6 A	10 A	16 A	20 A	25 A
ISKRA LED ALFA PROG	B	3	6	10	16	26	32	40
	C	3	10	16	27	44	54	67

Fuse – type gG and GL

Luminaire	2 A	4 A	6 A	10 A	16 A	20 A	25 A
ISKRA LED ALFA PROG	1	10	19	25	50	69	97