



TECHNICAL DATA

Application	urban roads, residential roads (internal), parks, pedestrians, bicycle routes
Assembly	on column with $\varnothing 60 \times 50$ mm ending
Colour	inox / black
Ingress protection	IP 66 for the optical part and the driver
Material	anodised aluminium alloy
Operating temperature range	from -40°C to $+55^{\circ}\text{C}$
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Inrush current	21A / 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).



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	Net weight
2133130/4/... ²	ISKRA LED ALFA 24 PROG	24 W	28 W	700 mA	4000 K	4350 lm	4050 lm	145 lm/W	0.01 m ³	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 5000K with T2 optical system

DIRECTIVES AND STANDARDS

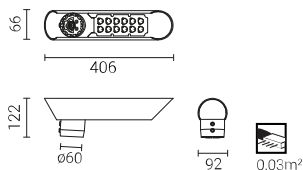
DIRECTIVES: 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC
STANDARDS: -

CHARGING DISCHARGE FROM THE LED LUMINAIRE HOUSING

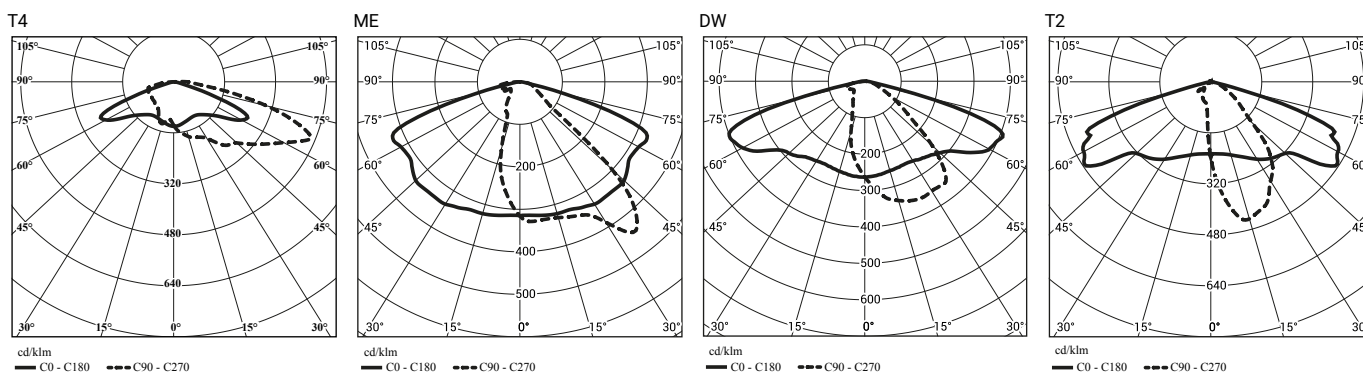
In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:

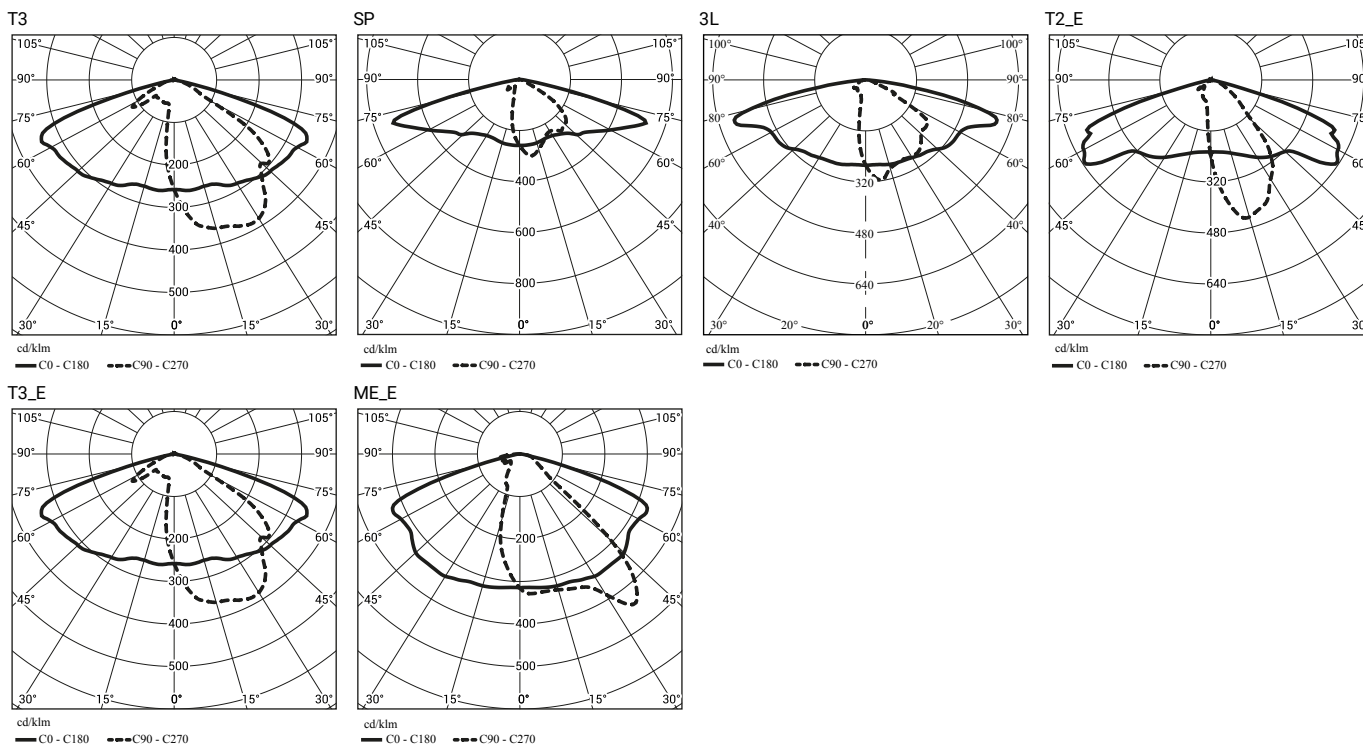
- functional grounding
- LED luminaire with an additional protection device

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,
- Temperature protection of LED module (from overheating) in case of unintentional luminaire operation during the,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

ACCEPTABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

Overcurrent switches MCB type B or C

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