

TECHNICAL DATA

Anodising	10 colours
Assembly	on column with ø60x50 mm ending
Application	urban roads, residential roads (internal), surrounding office buildings, 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 flux¹	Luminaire luminous flux¹	Luminous efficacy¹	Net weight
213330/1/...²	ISKRA LED ALFA 24	27 W	30 W	760 mA	2700 K	4450 lm	4050 lm	135 lm/W	2,5 kg
213330/3/...²	ISKRA LED ALFA 24	27 W	30 W	760 mA	3500 K	4700 lm	4300 lm	143 lm/W	2,5 kg
213330/4/...²	ISKRA LED ALFA 24	27 W	30 W	760 mA	4000 K	5000 lm	4600 lm	153 lm/W	2,5 kg
213330/6/...²	ISKRA LED ALFA 24	27 W	30 W	760 mA	5000 K	5000 lm	4600 lm	153 lm/W	2,5 kg
213332/1/...²	ISKRA LED ALFA 36	36 W	39,5 W	960 mA	2700 K	5350 lm	4900 lm	124 lm/W	2,5 kg
213332/3/...²	ISKRA LED ALFA 36	36 W	39,5 W	960 mA	3500 K	5700 lm	5200 lm	132 lm/W	2,5 kg
213332/4/...²	ISKRA LED ALFA 36	36 W	39,5 W	960 mA	4000 K	6050 lm	5550 lm	141 lm/W	2,5 kg
213332/6/...²	ISKRA LED ALFA 36	36 W	39,5 W	960 mA	5000 K	6050 lm	5550 lm	141 lm/W	2,5 kg

1) tolerance +/- 7% due to LEDs accuracy

2) symbol of chosen optical system eg. 213330/6/T2 is ISKRA LED ALFA 24 5000 K with T2 optical system

3) ENEC certificate 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

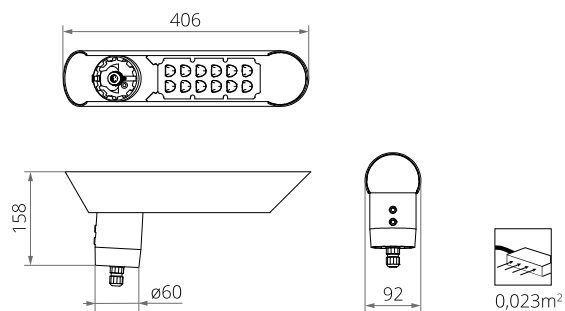
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

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:

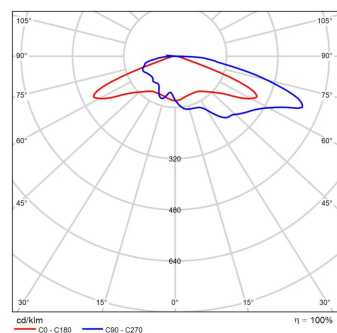
- functional grounding
- LED luminaire with an additional protection device

TECHNICAL DRAWING

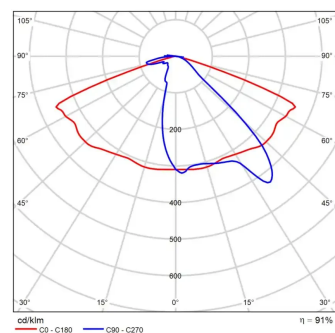


PHOTOMETRIC CURVES

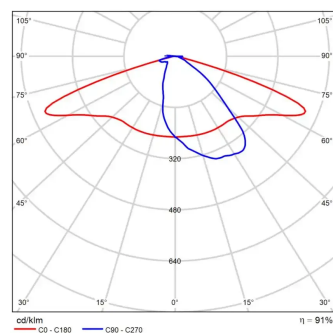
T4



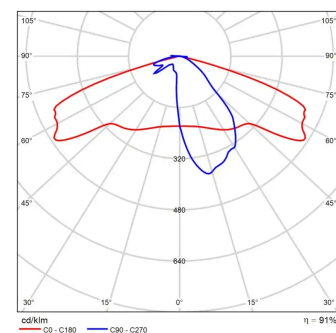
ME



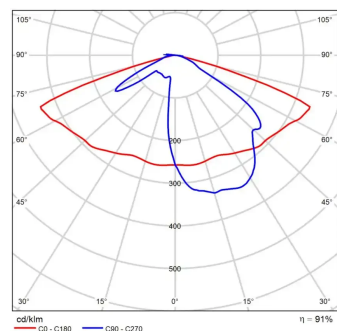
DW



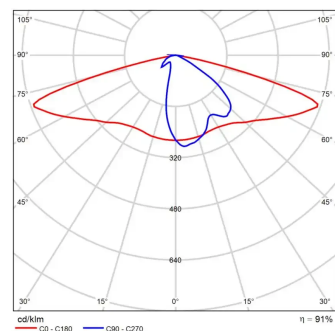
T2



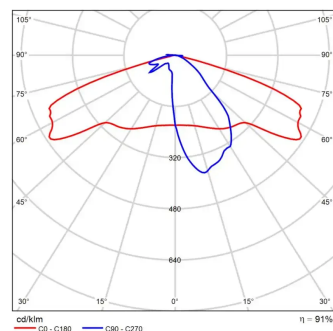
T3



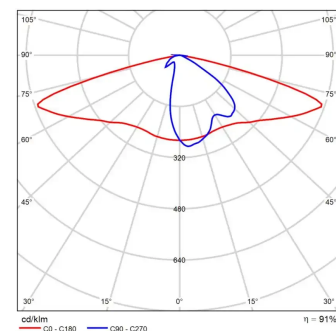
SP



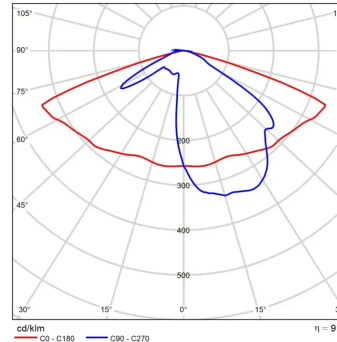
T2_E



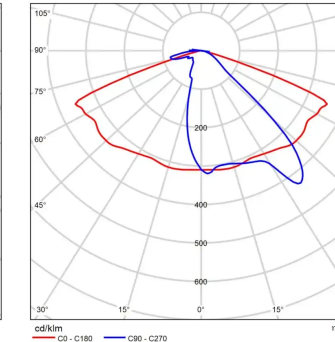
SP_E



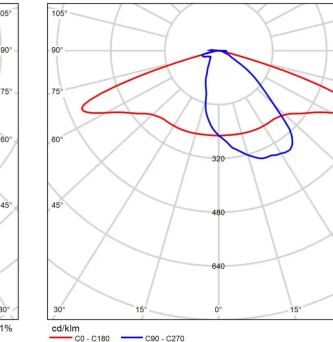
T3_E



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 ALFA	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 ALFA	0	4	8	11	21	29	42