



Application: pedestrians, bicycle routes, urban roads, residential roads (internal), parks

Assembly: on extension arms with $\varnothing 60 \times 90$ mm ending

Ingress protection: IP 66 for the optical part and the driver

Material: anodised aluminium alloy

Colour: inox / black

Number of LEDs: 12

Operating temperature range: from -40°C to $+55^{\circ}\text{C}$

Expected useful lifetime: L90F10 – 50 000 h, L80F20 – 100 000 h

CRI: >70 for 5000K, 4000K; >80 for 3500K, 2700K

Input voltage frequency: 50/60Hz

Power factor: ≥ 0.95

Inrush current: : 50A / 210 μs

Luminaire ISKRA LED has the possibility to connect to an external control system via analog signal 1- 10V.



Code	Symbol	LED power	Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ²⁾	Luminaire luminous flux ²⁾	Luminous efficacy	Unit volume	Luminaire net weight
213230/1/... ¹⁾	ISKRA LED 24	27W	30W	760mA	2700K	4 000lm	3600lm	120lm/W	0,005m ³	2,2kg
213230/3/... ¹⁾	ISKRA LED 24	27W	30W	760mA	3500K	4 150lm	3750lm	125lm/W	0,005m ³	2,2kg
213230/4/... ¹⁾	ISKRA LED 24	27W	30W	760mA	4000K	4 800lm	4350lm	145lm/W	0,005m ³	2,2kg
213230/6/... ¹⁾	ISKRA LED 24	27W	30W	760mA	5000K	4 800lm	4350lm	145lm/W	0,005m ³	2,2kg
213232/1/... ¹⁾	ISKRA LED 36	36W	39,5W	960mA	2700K	4 800lm	4400lm	111lm/W	0,005m ³	2,2kg
213232/3/... ¹⁾	ISKRA LED 36	36W	39,5W	960mA	3500K	5 000lm	4650lm	118lm/W	0,005m ³	2,2kg
213232/4/... ¹⁾	ISKRA LED 36	36W	39,5W	960mA	4000K	5 900lm	5500lm	139lm/W	0,005m ³	2,2kg
213232/6/... ¹⁾	ISKRA LED 36	36W	39,5W	960mA	5000K	5 900lm	5500lm	139lm/W	0,005m ³	2,2kg

1) Symbol of chosen optical system eg. 213230/6/T2 is ISKRA LED 24 5000K with T2 optical system

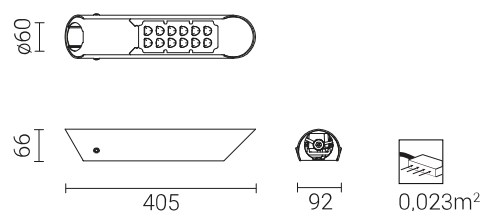
2) Tolerance +/- 7% due to LEDs accuracy

3) ENEC certificate valid only if T2_E, T3_E and ME_E optics are used

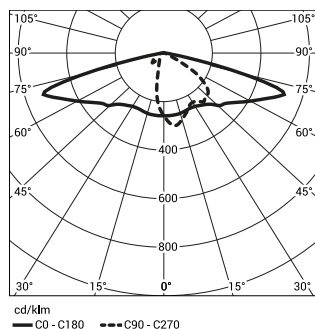
Directive: 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC

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 (for more information visit: www.rosa.pl/en/knowledge/LED-lighting):

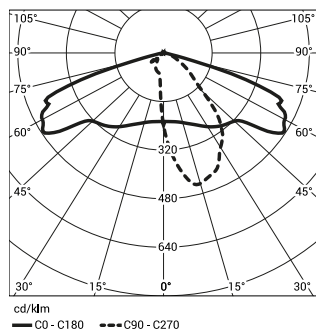
- functional grounding
- LED luminaire with an additional protection device



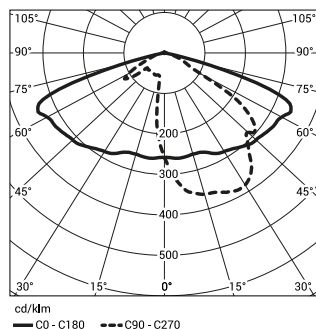
SP



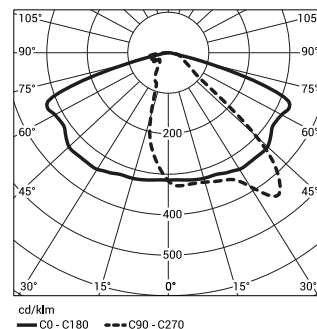
T2



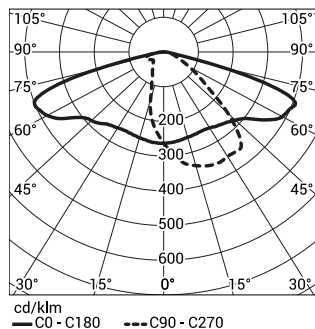
T3



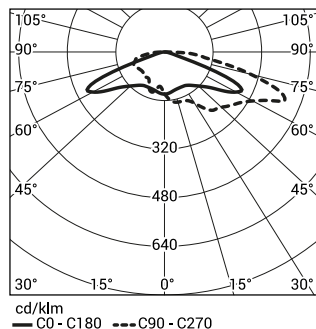
ME



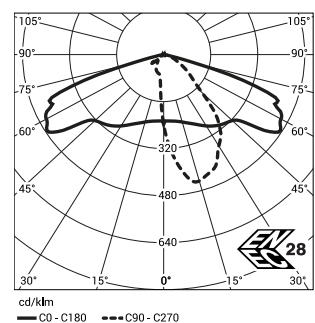
DW



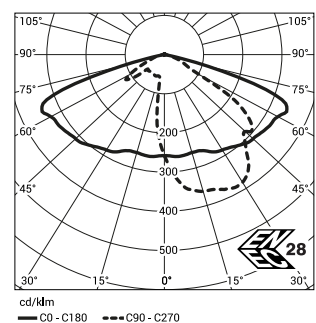
T4



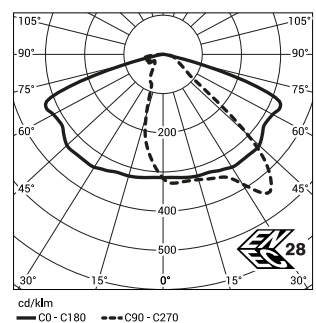
T2_E



T3_E



ME_E



Acceptable quantity of luminaires ISKRA LED on one circuit, protected by:

Overcurrent switches MCB type B or C

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

Fuse – type gG and GL

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