

ISKRA LED



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

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

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

Material: anodised aluminium alloy

Colour: inox / black

Optical system: PMMA optics

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

Corrective factor S/P: 1,8 for 5000K; 1,45 for 3500K; 1,55 for 4000K

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.



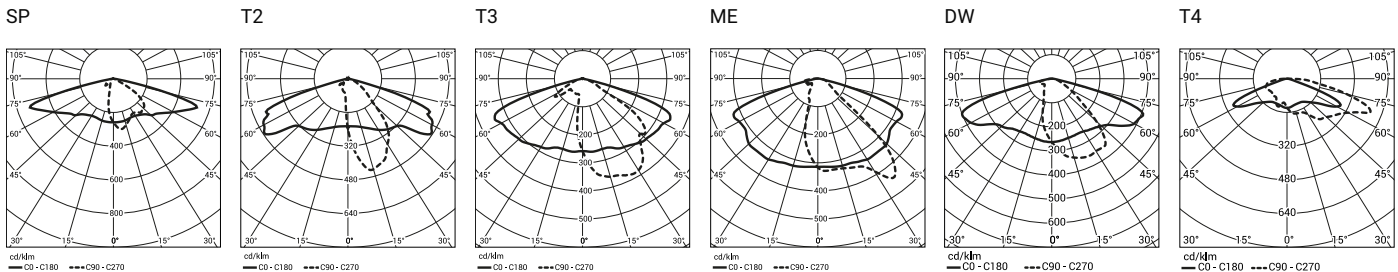
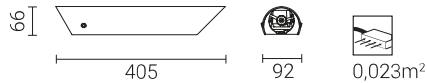
Code	Symbol	LED power	Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ²⁾	Luminaire luminous flux ²⁾	Luminous efficacy	Unit volume	Luminaire net weight
213230/3/... ¹⁾	ISKRA LED 24	24W	31W	760mA	3500K	3 450lm	3200lm	103lm/W	0,005m ³	2,2kg
213230/4/... ¹⁾	ISKRA LED 24	24W	31W	760mA	4000K	3 850lm	3700lm	119lm/W	0,005m ³	2,2kg
213230/6/... ¹⁾	ISKRA LED 24	24W	31W	760mA	5000K	4 050lm	3900lm	126lm/W	0,005m ³	2,2kg
213232/3/... ¹⁾	ISKRA LED 36	36W	39W	960mA	3500K	4 550lm	4300lm	110lm/W	0,005m ³	2,2kg
213232/4/... ¹⁾	ISKRA LED 36	36W	39W	960mA	4000K	5 050lm	4600lm	118lm/W	0,005m ³	2,2kg
213232/6/... ¹⁾	ISKRA LED 36	36W	39W	960mA	5000K	5 250lm	4800lm	123lm/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

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



Overcurrent switches MCB type B or C

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
ISKRA LED	B	1	2	4	6	11	13	17
	C	1	4	6	11	18	28	28

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
ISKRA LED	1	2	11	19	30	38	47

ISKRA LED PROG



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Expected useful lifetime: L90F10 - 50 000 h, L80F20 - 100000 h

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

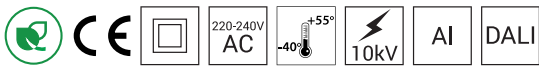
Corrective factor S/P: 1,8 for 5000K; 1,45 for 3500K; 1,55 for 4000K

Input voltage frequency: 50 - 60Hz

Power factor: ≥ 0.95

Inrush current: : 22A / 290 μs

Luminaire ISKRA LED PROG has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).



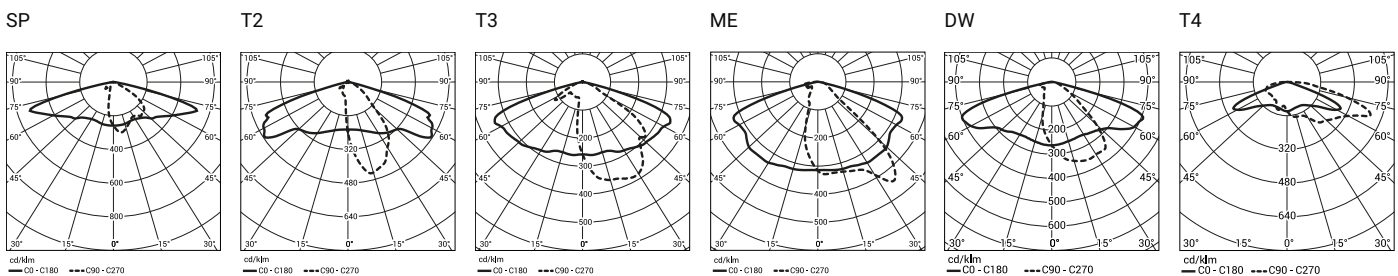
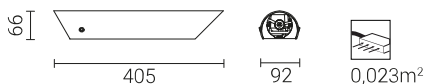
Code	Symbol	LED power	Luminaire Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ²⁾	Luminaire luminous flux ²⁾	Luminous efficacy	Unit volume	Net weight
2132130/3/... ¹⁾	ISKRA LED 24 PROG	24W	29W	700mA	3500K	3 300lm	3200lm	110lm/W	0,005m ³	2,1kg
2132130/4/... ¹⁾	ISKRA LED 24 PROG	24W	29W	700mA	4000K	3 750lm	3500lm	122lm/W	0,005m ³	2,1kg
2132130/6/... ¹⁾	ISKRA LED 24 PROG	24W	29W	700mA	5000K	3 950lm	3800lm	130lm/W	0,005m ³	2,1kg
2132132/3/... ¹⁾	ISKRA LED 36 PROG	36W	40W	1000mA	3500K	4 750lm	4400lm	110lm/W	0,005m ³	2,1kg
2132132/4/... ¹⁾	ISKRA LED 36 PROG	36W	40W	1000mA	4000K	5 250lm	4700lm	118lm/W	0,005m ³	2,1kg
2132132/6/... ¹⁾	ISKRA LED 36 PROG	36W	40W	1000mA	5000K	5 450lm	4900lm	123lm/W	0,005m ³	2,1kg



1) Symbol of chosen optical system eg. 2132130/6/T2 is ISKRA LED 24 PROG 5000K with T2 optical system
 2) tolerance +/- 3% due to LEDs accuracy

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

Shown parameters based on measurements according to IESNA LM 79-08



Acceptable quantity of luminaires ISKRA LED PROG on one circuit, protected by:
 Overcurrent switches MCB type B or C

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
ISKRA LED PROG	B	2	4	8	12	20	25	31
	C	2	8	12	20	34	41	52

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
ISKRA LED PROG	4	9	14	25	39	50	62