

ISKRA LED ALFA



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

Assembly: pole top mounted $\varnothing 60 \times 80$ mm

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

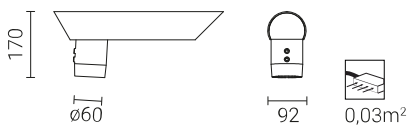
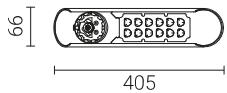
Power factor: ≥ 0.95

Inrush current: : 50A / 210 μs

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



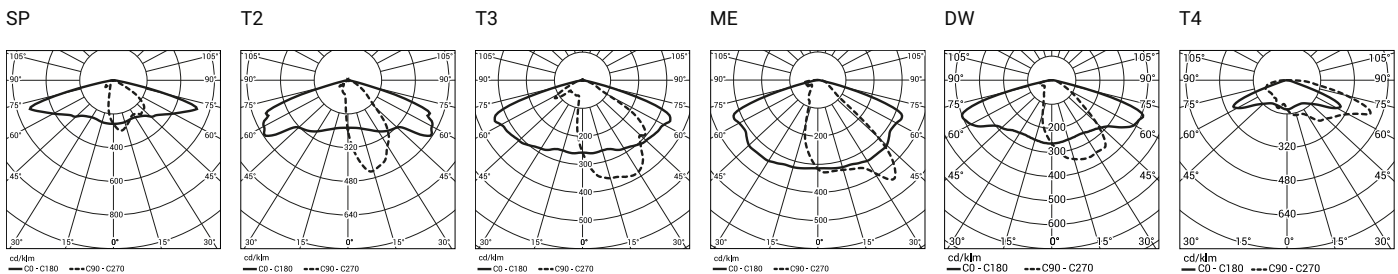
Code	Symbol	LED power	Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ²⁾	Luminaire luminous flux ²⁾	Luminous efficacy	Unit volume	Luminaire net weight
213330/3/... ¹⁾	ISKRA LED ALFA 24	24W	31W	760mA	3500K	3 450lm	3200lm	103lm/W	0,001m ³	2,6kg
213330/4/... ¹⁾	ISKRA LED ALFA 24	24W	31W	760mA	4000K	3 850lm	3700lm	119lm/W	0,001m ³	2,6kg
213330/6/... ¹⁾	ISKRA LED ALFA 24	24W	31W	760mA	5000K	4 050lm	3900lm	126lm/W	0,001m ³	2,6kg
213332/3/... ¹⁾	ISKRA LED ALFA 36	36W	39W	960mA	3500K	4 550lm	4300lm	110lm/W	0,001m ³	2,6kg
213332/4/... ¹⁾	ISKRA LED ALFA 36	36W	39W	960mA	4000K	5 050lm	4600lm	118lm/W	0,001m ³	2,6kg
213332/6/... ¹⁾	ISKRA LED ALFA 36	36W	39W	960mA	5000K	5 250lm	4800lm	123lm/W	0,001m ³	2,6kg



1) Symbol of chosen optical system eg. 213330/6/T2 is ISKRA LED ALFA 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 ALFA	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 ALFA	1	2	11	19	30	38	47

ISKRA LED ALFA PROG



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

Assembly: pole top mounted $\varnothing 60 \times 80$ mm

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 - 100000 h

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

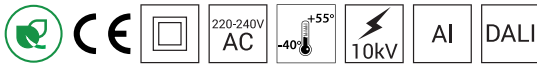
Corrective factor S/P: 1,8 for 5000K; 1,45 for 3500K; 1,55 for 4000K

Input voltage frequency: 50 - 60Hz

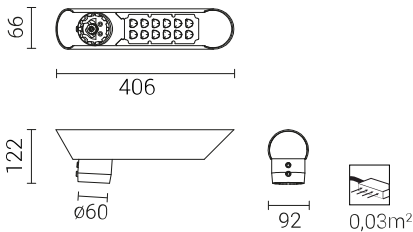
Power factor: ≥ 0.95

Inrush current: : 22A / 290 μs

Luminaire ISKRA LED ALFA 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
2133130/3/... ¹⁾	ISKRA LED ALFA 24 PROG	24W	29W	700mA	3500K	3 300lm	3200lm	110lm/W	0,01m ³	2,5kg
2133130/4/... ¹⁾	ISKRA LED ALFA 24 PROG	24W	29W	700mA	4000K	3 750lm	3500lm	122lm/W	0,01m ³	2,5kg
2133130/6/... ¹⁾	ISKRA LED ALFA 24 PROG	24W	29W	700mA	5000K	3 950lm	3800lm	130lm/W	0,01m ³	2,5kg
2133132/3/... ¹⁾	ISKRA LED ALFA 36 PROG	36W	40W	1000mA	3500K	4 750lm	4400lm	110lm/W	0,01m ³	2,5kg
2133132/4/... ¹⁾	ISKRA LED ALFA 36 PROG	36W	40W	1000mA	4000K	5 250lm	4700lm	118lm/W	0,01m ³	2,5kg
2133132/6/... ¹⁾	ISKRA LED ALFA 36 PROG	36W	40W	1000mA	5000K	5 450lm	4900lm	123lm/W	0,01m ³	2,5kg



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

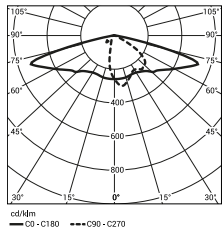
2) tolerance +/- 3% due to LEDs accuracy

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

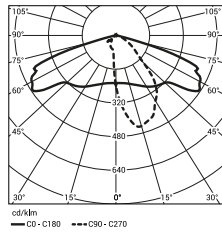
Shown parameters based on measurements according to IESNA LM 79-08

ISKRA LED ALFA PROG

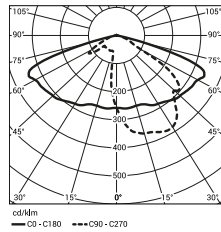
SP



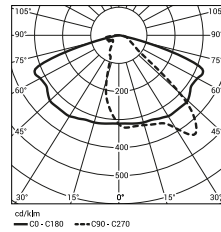
T2



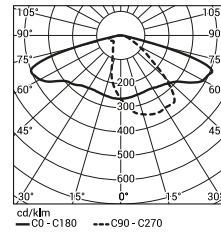
T3



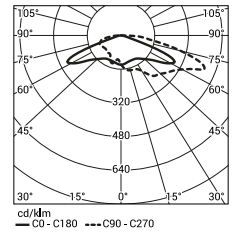
ME



DW



T4



Acceptable quantity of luminaires ISKRA LED ALFA 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