

## Characteristic

Ingress protection of optical system and driver	IP 66
Electrical class	II
Nominal input voltage	100 - 240 V AC
Frequency	50/60 Hz
Power factor	$\geq 0.95$
Inrush electric current	50A / 210 $\mu$ s
Level of surge protection	10kV
Control system ready input	1 – 10 V (as an option)
Operating temperatures	-40°C to +55°C
Material	anodized aluminium alloy
Colour	inox / black
Setup	pole top mounted $\phi 60 \times 80$ ; recommended mount height 4 to 5 m
Optical system	PMMA lens
LEDs lifetime L90	>50 000h
Warranty	5 years



**CREE**  
LEDs



## Technical parameters

Type	ISKRA LED ALFA 24		ISKRA LED ALFA 36	
	Code	213330/6	213330/3	213332/6
Correlated colour temperature [K]	5 000	3 500	5 000	3 500
Color rendering index CRI	75 <sup>2)</sup>	>80	75 <sup>2)</sup>	>80
Corrective factor S/P	1,8	1,45	1,8	1,45
LEDs type	CREE XT-E		CREE XP-L	
LEDs quantity	12			
Supply current [mA]	760		960	
LEDs power [W]	24		36	
LEDs luminous flux <sup>1)</sup> [lm]	3 400	2 950	5 050	4 600
Power consumption [W]	31		39	
Luminaire luminous flux <sup>1)</sup> [lm]	<b>3 250</b>	<b>2 800</b>	<b>4 700</b>	<b>4 300</b>
Luminaire efficacy [lm/W]	105	90	121	110
Weight [kg]	2,6			
Volume [m <sup>3</sup> ]	0,01			
Windage [m <sup>2</sup> ]	0,03			

1) including LEDs tolerance parameter accuracy +/- 3%

2) parameter accuracy +/-2

- Low voltage directive LVD 2006/95/WE, norm PN-EN 60598-1, PN-EN 60598-2-3
- Directive EMC 2004/108/WE, norms: PN-EN 55015, PN-EN 61547, PN-EN 61000-3-2, PN-EN 61000-3-3
- Shown parameters based on measurements according to IESNA LM 79-08

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

Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
ISKRA LED } ALFA 24 i 36W	Type B	1	2	4	7	12	15	18
	Type C	1	4	7	12	20	24	31

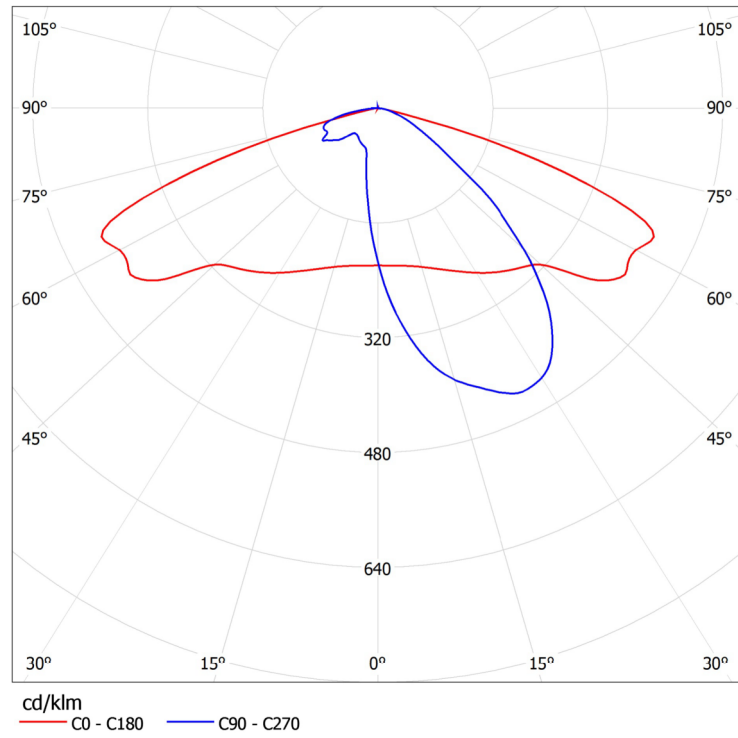
Fuse – type gG and GL								
		2A	4A	6A	10A	16A	20A	25A
ISKRA LED ALFA 24W		4	8	12	19	31	39	49
ISKRA LED ALFA 36W		2	6	9	17	27	34	43

The luminaire ISKRA LED ALFA has the possibility (as an option) to connect to the external control system via analog signal 1-10V.

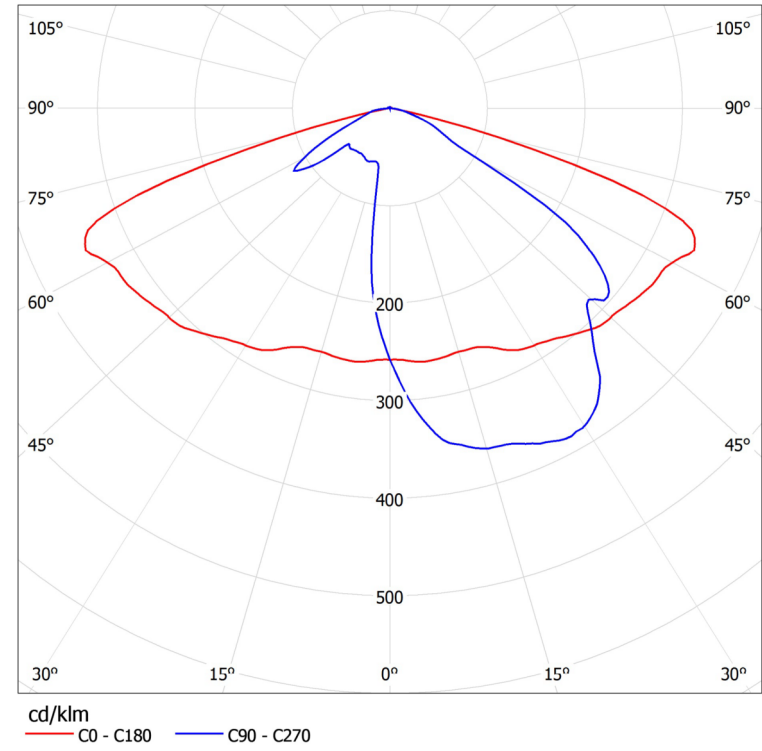


Optics configurations for ISKRA LED ALFA

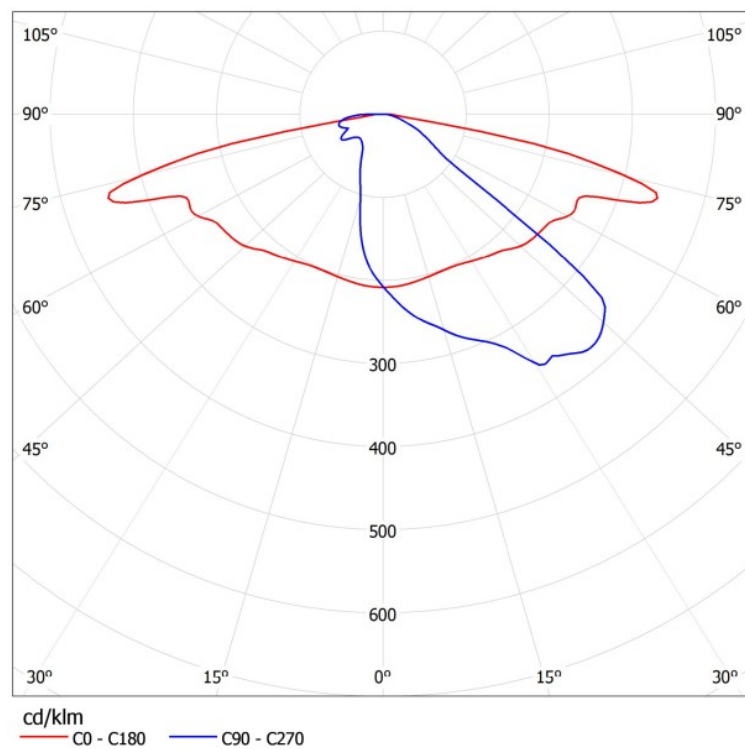
**T2**



**T3**



**ME**



**DW**

