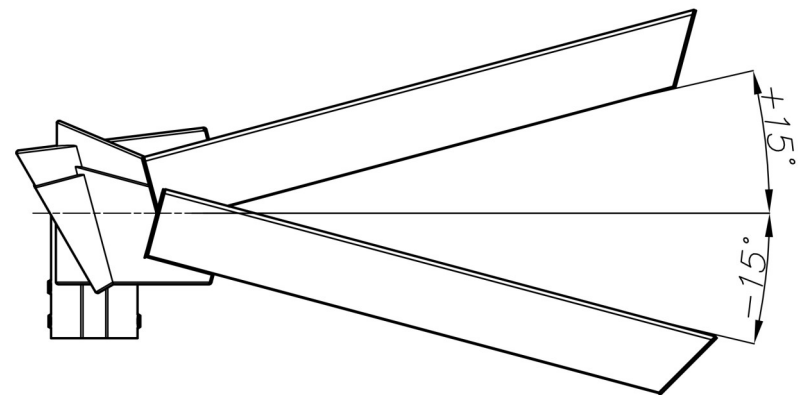
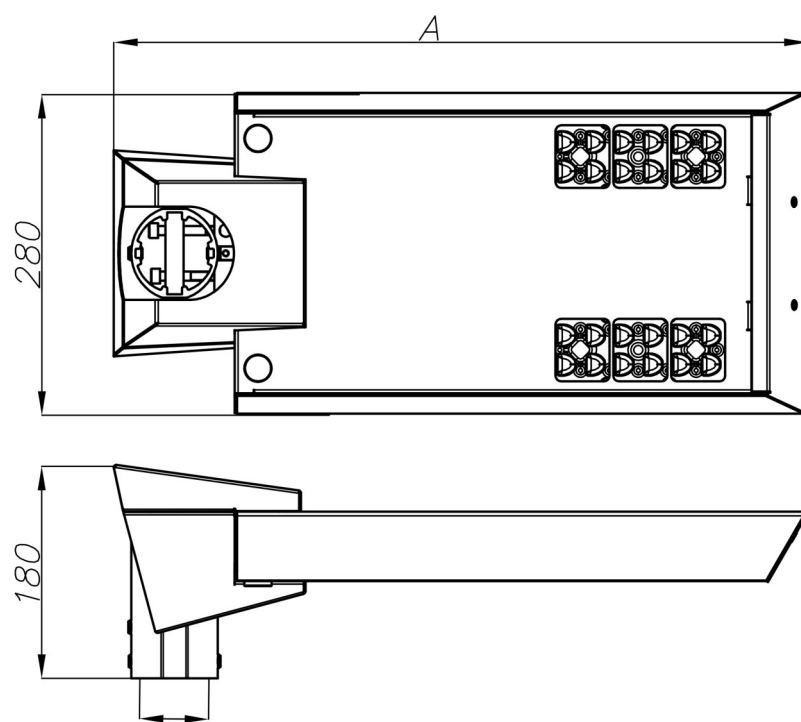
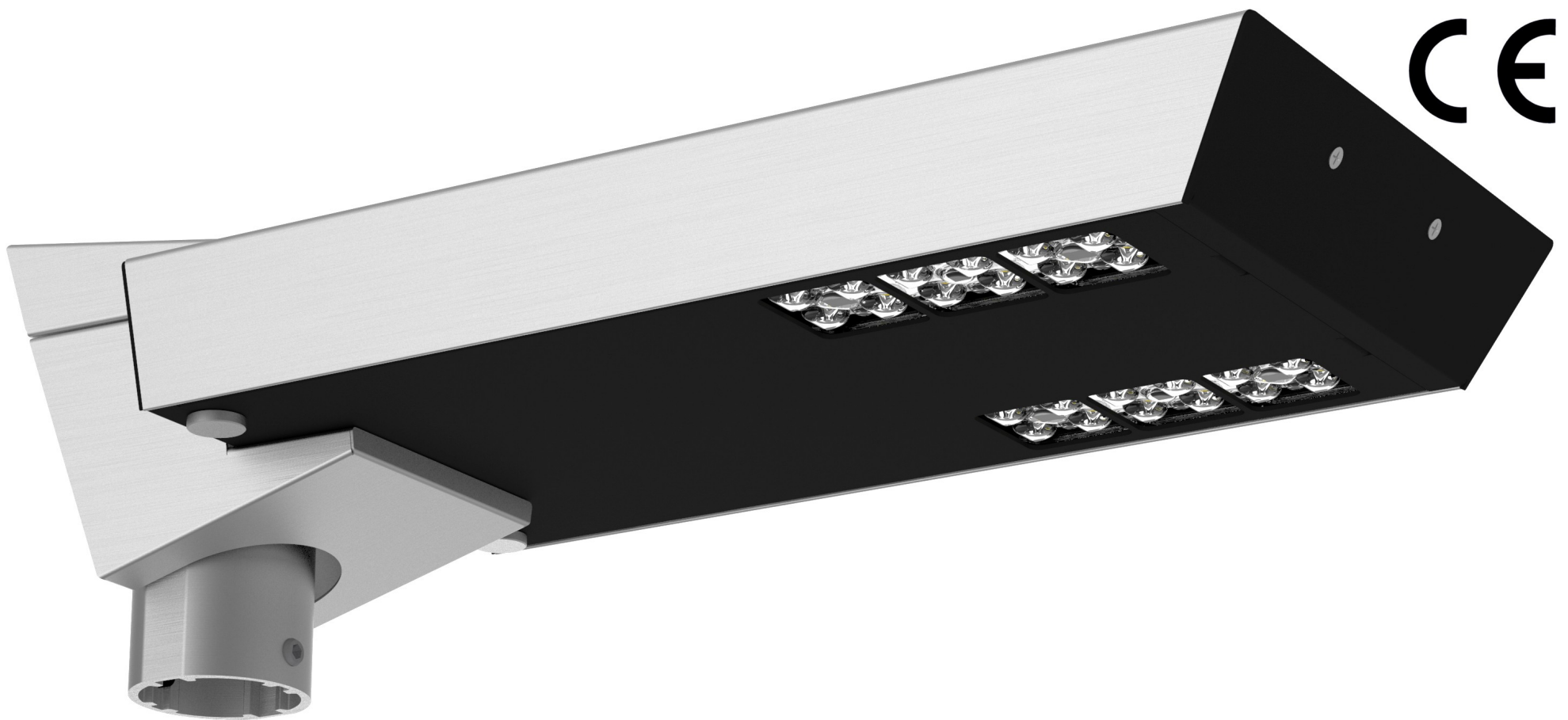


URSA LED ALFA luminaire



Characteristic

Ingress protection of optical system and driver	IP 66
Protection class	II
Nominal input voltage	220 - 240 V AC
Frequency	50/60 Hz
Power factor	≥0.95
Inrush electric current	46A / 250μs (for URSA LED ALFA 48, 60 and 72W), 53A / 300μs (for URSA LED ALFA 96, 120 and 144W)
Level of surge protection	10kV
Control system ready input	DALI
Operating temperatures	-40°C to +55°C
Material	anodized aluminium alloy
Colour	inox / black
Mounting	pole top mounted Ø60x95; recommended mount height 6 to 8 m
Tilt angle	-15° to +15°
Optical system	PMMA lens, replaceable LED module
LEDs lifetime L90F10	>50 000h
Warranty	5 years



CREE LEDs

URSA LED ALFA luminaire



Technical parameters

Type	URSA LED ALFA 48		URSA LED ALFA 60		URSA LED ALFA 72		URSA LED ALFA 96		URSA LED ALFA 120		URSA LED ALFA 144	
Code	2221033/6/... ²⁾	2221033/3/... ²⁾	2221034/6/... ²⁾	2221034/3/... ²⁾	2221035/6/... ²⁾	2221035/3/... ²⁾	2221037/6/... ²⁾	2221037/3/... ²⁾	2221039/6/... ²⁾	2221039/3/... ²⁾	2221041/6/... ²⁾	2221041/3/... ²⁾
Correlated colour temperature [K]	5 000	3 500	5 000	3 500	5 000	3 500	5 000	3 500	5 000	3 500	5 000	3 500
Color rendering index CRI	75 ³⁾	>80	75 ³⁾	>80	75 ³⁾	>80	75 ³⁾	>80	75 ³⁾	>80	75 ³⁾	>80
Corrective factor S/P	1,8	1,45	1,8	1,45	1,8	1,45	1,8	1,45	1,8	1,45	1,8	1,45
LEDs type	CREE XT-E		CREE XP-L		CREE XP-L		CREE XT-E		CREE XP-L		CREE XP-L	
LEDs quantity	24						48					
Supply current [mA]	650		850		1 000		650		850		1 000	
LEDs power [W]	48		60		72		96		120		144	
LEDs luminous flux ¹⁾ [lm]	5 950	5 150	8 650	8 050	10 450	9 600	11 950	10 300	17 400	16 000	20 850	19 200
Power consumption [W]	55		68		80		105		129		154	
Luminaire luminous flux ¹⁾ [lm]	5 500	4 750	8 100	7 500	9 750	8 950	11 000	9 500	16 250	14 950	19 500	17 950
Luminaire efficacy [lm/W]	100	86	119	110	123	112	104	90	126	116	127	117
Weight [kg]	8						10,5					
A – luminaire lenght [mm]	665						890					
Volume [m ³]	0,028						0,037					
Windage [m ²]	0,047						0,059					

- 1) tolerance +/- 3% due to LEDs accuracy
- 2) code of chosen optics configuration - example: 2221033/6/T2 is a URSA LED ALFA 48 with optical system T2
- 3) tolerance +/-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 URSA LED ALFA on one circuit, protected by:

Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
URSA LED ALFA 48, 60, 72W	Type B	1	2	4	6	11	13	17
	Type C	1	4	6	11	18	22	28
URSA LED ALFA 96, 120, 144W	Type B	1	1	3	5	8	10	12
	Type C	1	3	5	8	13	16	20

Fuse – type gG and GL							
	2A	4A	6A	10A	16A	20A	25A
URSA LED 48, 60, 72W	4	8	11	19	30	38	47
URSA LED 96, 120, 144W	2	4	6	10	15	19	24

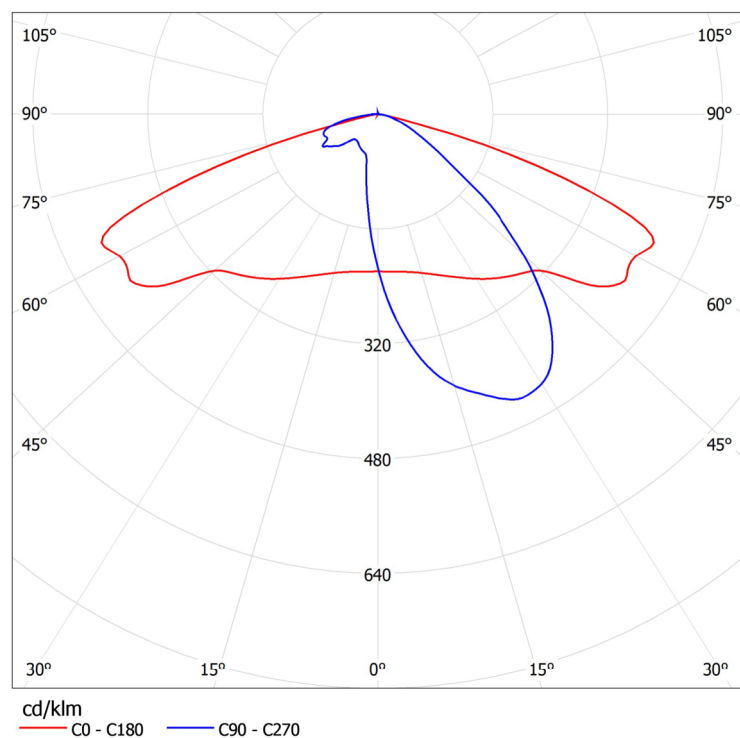
Luminaire URSA LED ALFA in standard has following functions of intelligent power supply:

- Connection to outside control system by DALI interface (operation of analog signal 1-10V as an option),
- Possibility of programming multistage dimming of luminaire, up to 5 intervals in the range of from 10 to 100% of nominal power,
- Temperature protection of LED module (from overheating) in case of unintentional luminaire operation during the,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

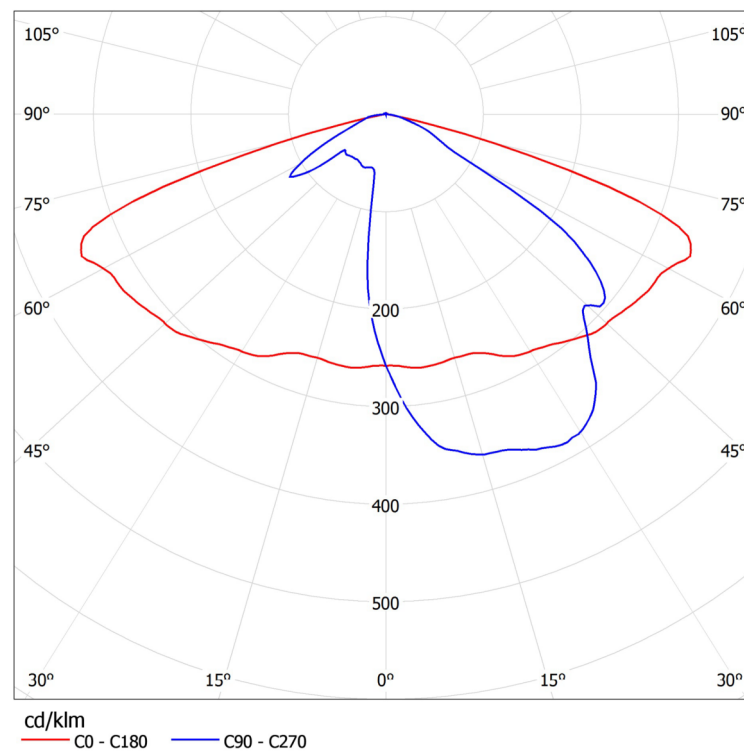


Optics configurations for URSA LED ALFA

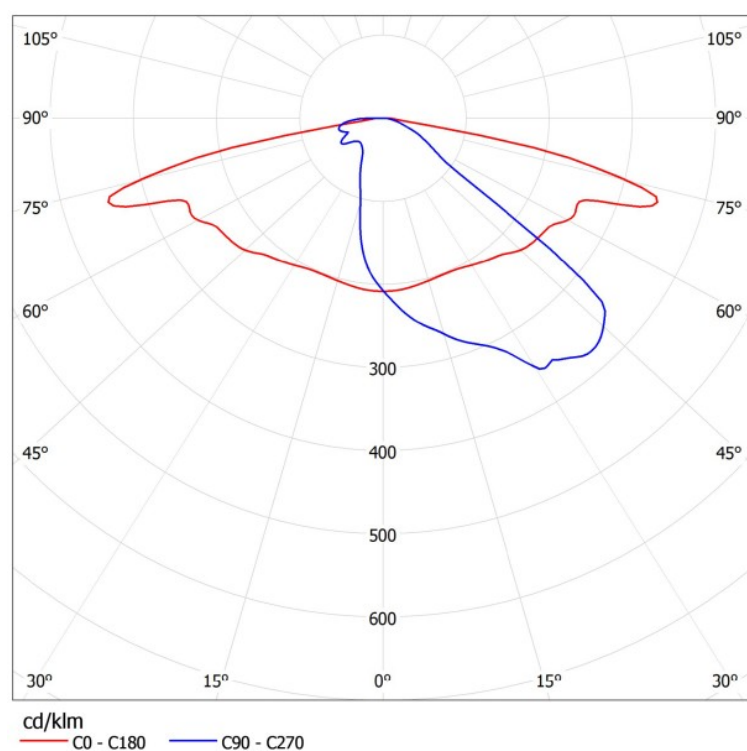
T2



T3



ME



DW

