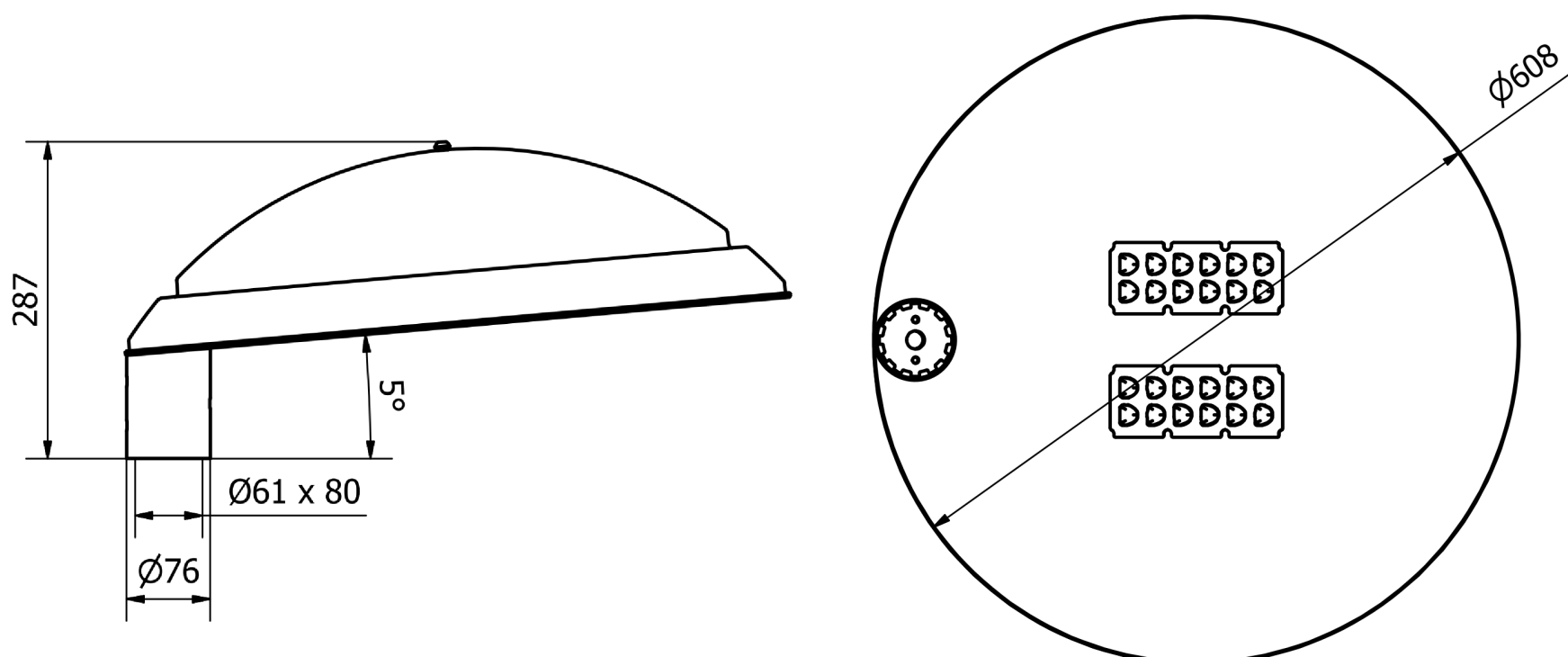


COSMO LED ALFA luminaire



Characteristic

Ingress protection of optical system and driver	IP 66
Electrical class	II
Nominal input voltage	220 - 240 V AC
Frequency	50/60 Hz
Power factor	≥0.95
Inrush electric current	57A / 210μs
Level of surge protection	10kV
Control system ready input	DALI
Operating temperatures	-40°C to +40°C
Material	anodized aluminium alloy
Colour	inox / black
Setup	pole top mounted Ø60x80; recommended mount height 6 to 12 m
Optical system	PMMA lens, replaceable LED module
LEDs type	CREE XP-L
LEDs lifetime L90F10	>50 000h
Warranty	5 years



CREE
LEDs



Technical parameters

Type	COSMO LED ALFA 72	
Code	2212035/6/... ²⁾	2212035/3/... ²⁾
Correlated colour temperature [K]	5 000	3 500
Color rendering index CRI	75 ³⁾	>80
Corrective factor S/P	1,8	1,45
LEDs quantity	24	
Supply current [mA]	1 000	
LEDs power [W]	72	
LEDs luminous flux ¹⁾ [lm]	10 450	9 600
Power consumption [W]	80	
Luminaire luminous flux¹⁾ [lm]	9 750	8 950
Luminaire efficacy [lm/W]	122	112
Weight [kg]	11,5	
Volume [m ³]	0,073	
Windage [m ²]	0,085	

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

2) code of chosen optics configuration - example: 2212035/6/T2 is a COSMO LED ALFA 72 with optical system T2

3) 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

Accetable quantity of luminaires COSMO LED ALFA on one circuit, protected by:

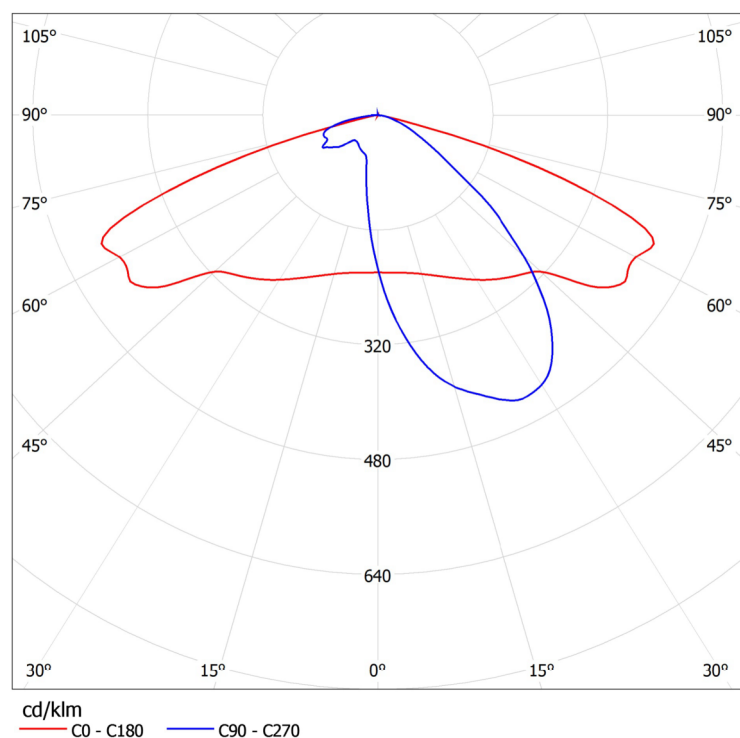
Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
COSMO LED ALFA 72W	Type B	1	2	4	7	12	15	18
	Type C	1	4	7	12	20	24	31

Fuse – type gG and GL							
	2A	4A	6A	10A	16A	20A	25A
COSMO LED ALFA 72W	2	6	9	17	27	34	43

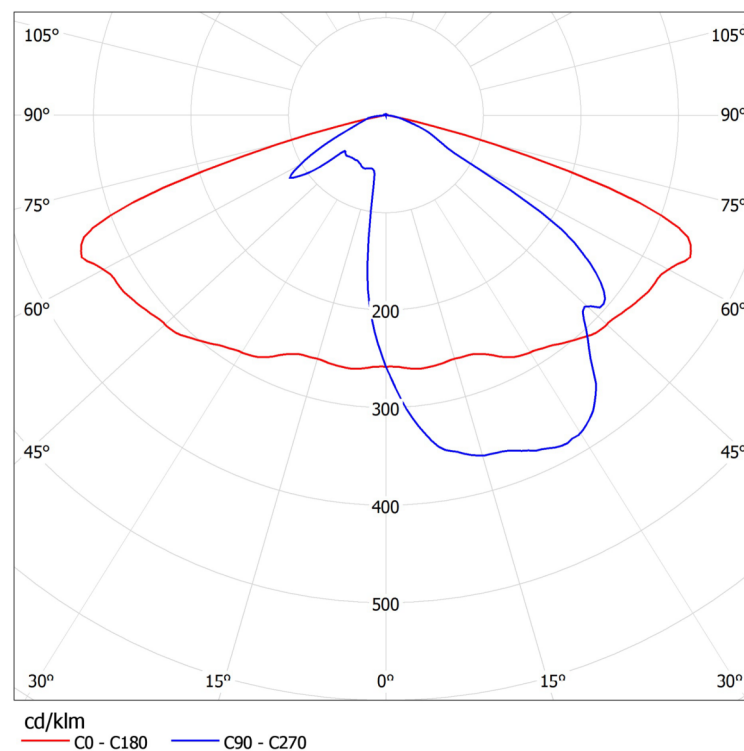
Luminaire COSMO LED ALFA in standard has following functions of intelligent power supply:

- 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,

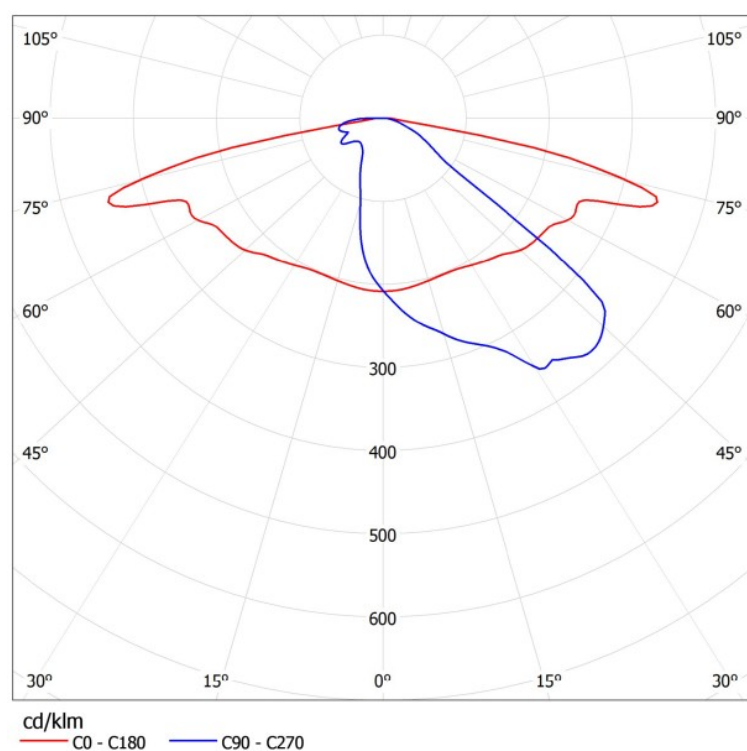
T2



T3



ME



DW

