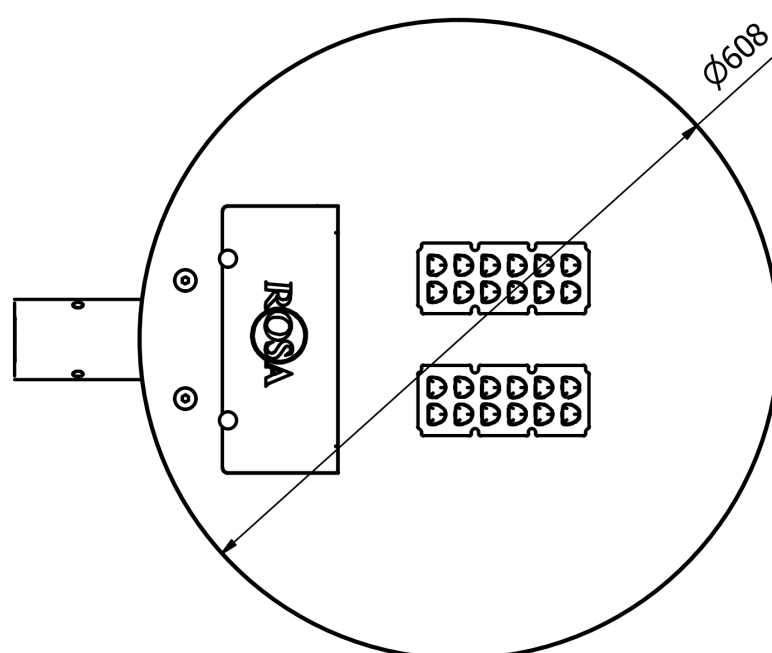
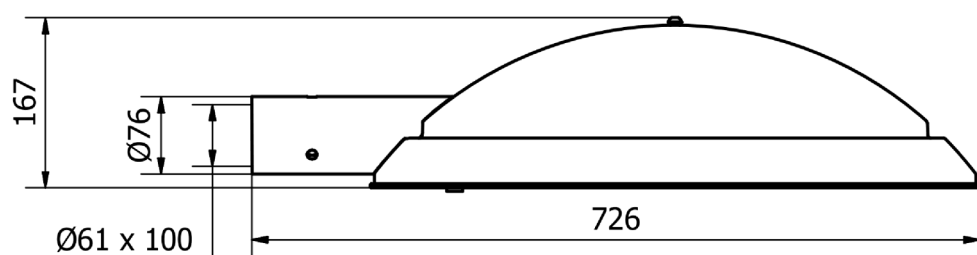




Characteristic

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
Bootable electric current	57A / 210µs
Level of surge protection	10kV
Operated control system	DALI
Operating temperatures	-40°C to +55°C
Material	anodized aluminium alloy
Colour	inox / black
Setup	on the extension arm Ø60x100; 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 72	
Code	2210035/6/... ²⁾	2210035/3/... 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]	123	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: 2210035/6/T2 is a COSMO LED 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

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

Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
COSMO LED 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 72W	2	6	9	17	27	34	43

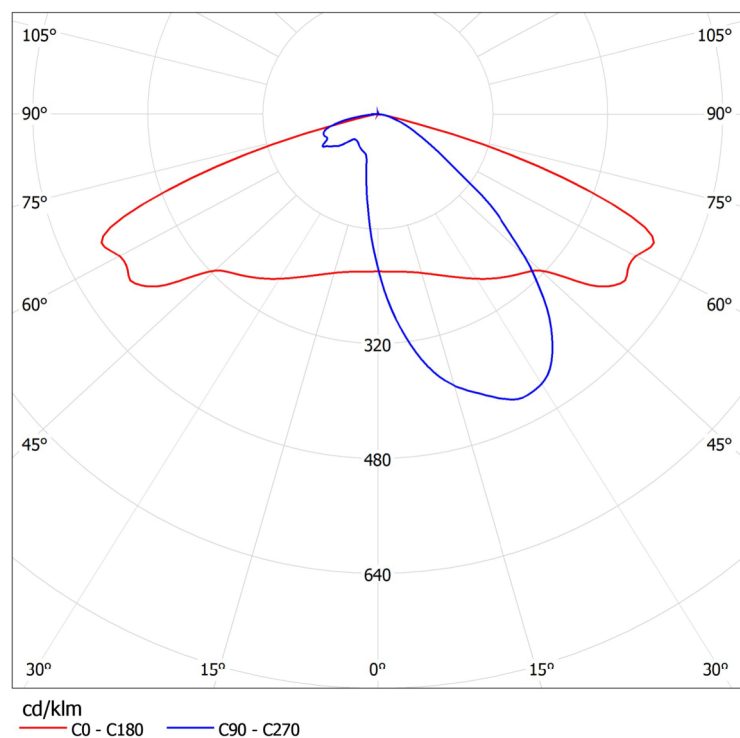
Luminaire COSMO LED in standard has following functions of intelligent power system:

- Connection to outside control system by interface DALI (operation of analogical signal 1-10V as an option),
 - Possibility of programming multistage fading of luminaire
 - to 5 intervals in the range of from 10 to 100% of nominal power,
 - Temperature protection of LED module (from overheating) in the case of unintentional work of luminaire during the day,
- Regulation of power / lighting stream of luminaire – the option of setting another value than the catalogue in the range of 30-100% of power or nominal stream;

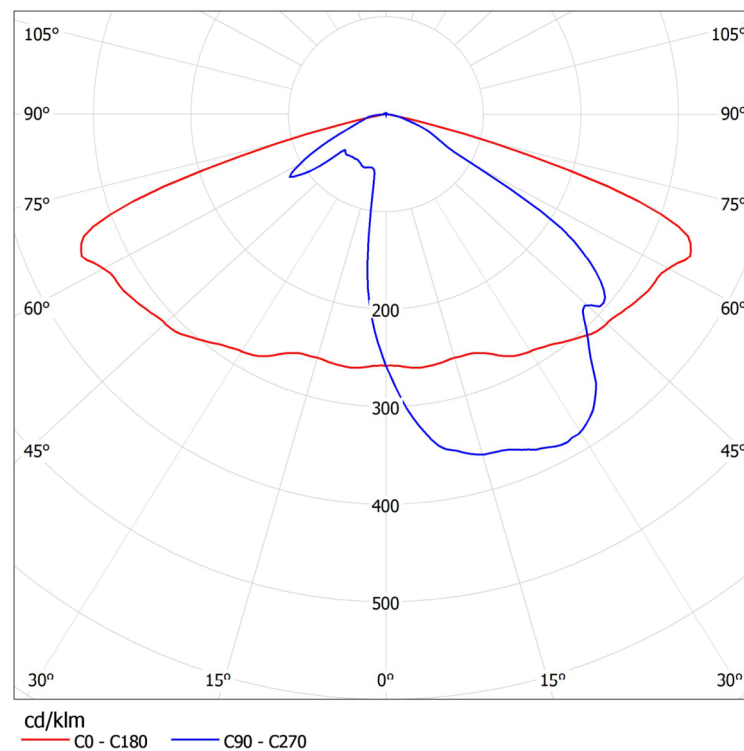


Optics configurations for CUDDLE LED

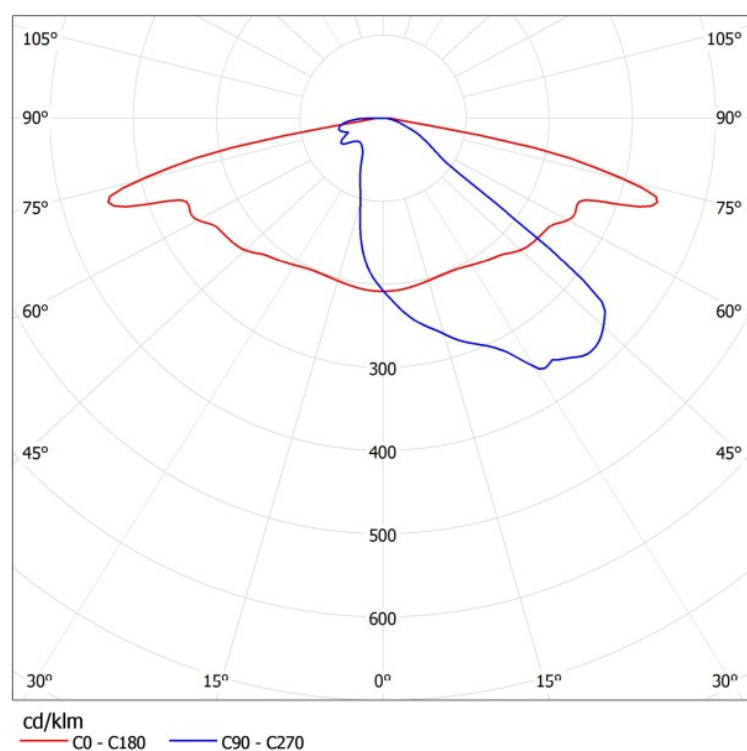
T2



T3



ME



DW

