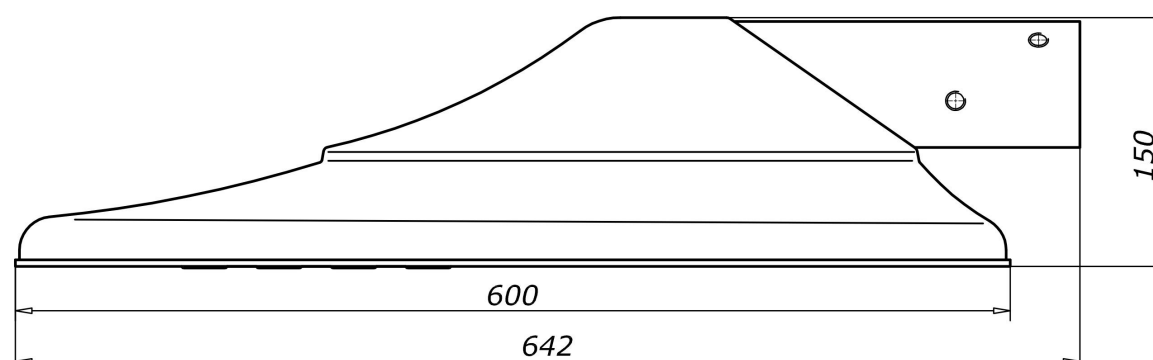
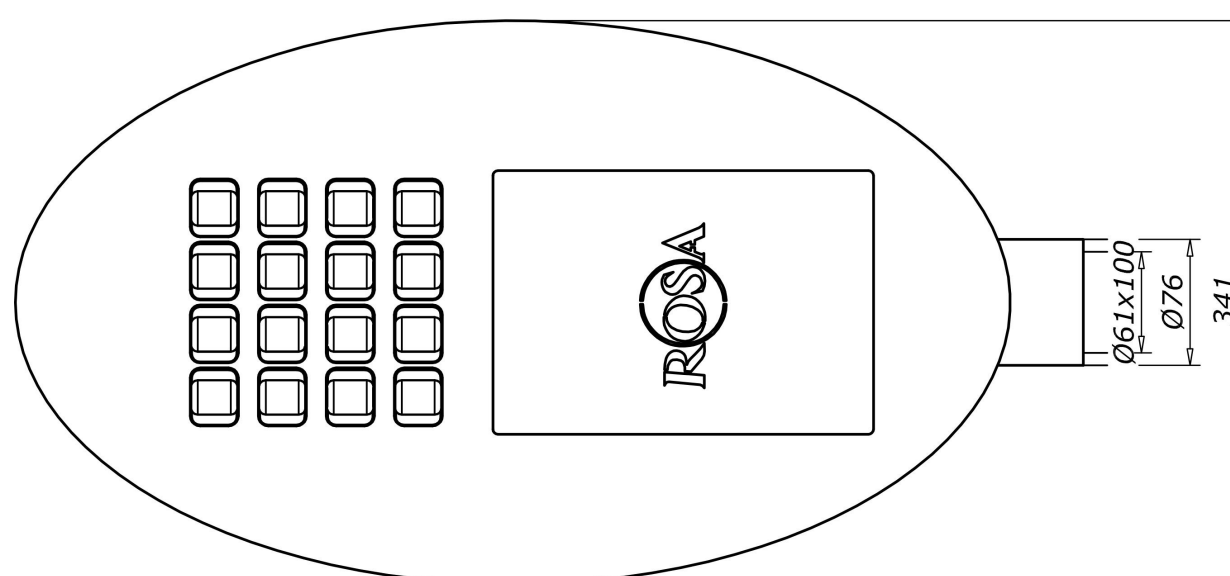




Characteristic

Ingress protection of optical system	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
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	on the extension arm Ø60x100; recommended mount height 5 do 6 m
Optical system	ROSA PMMA lens
LEDs type	CREE XP-L
LEDs lifetime L90F10	>50 000h
Warranty	5 years



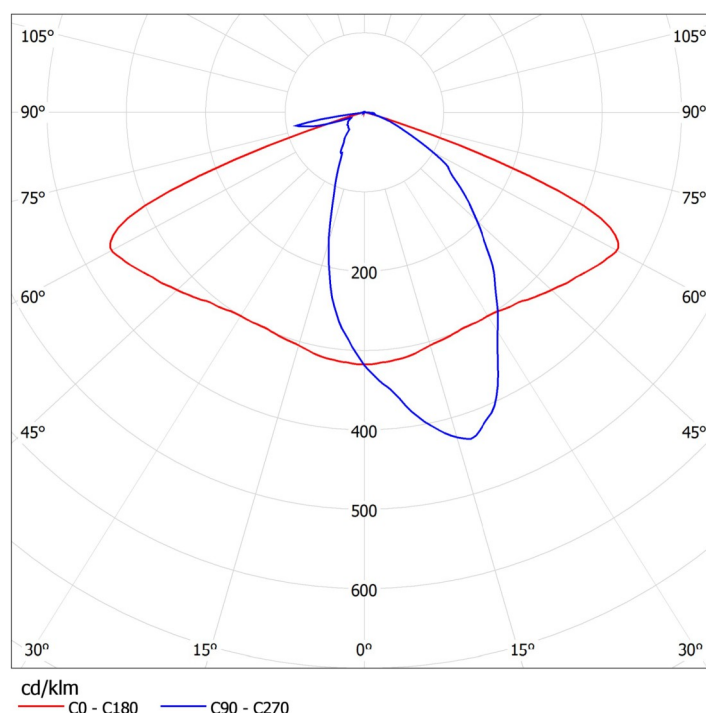
CREE
LEDs



Technical parameters

Type	GEMINI LED 36		GEMINI LED 48	
Code	214332/6	214332/3	214333/6	214333/3
Correlated colour temperature [K]	5 000	3 500	5 000	3 500
Color rendering index CRI	75 ²⁾	>80	75 ²⁾	>80
Corrective factor S/P	1,8	1,45	1,8	1,45
LEDs quantity	12		16	
Supply current [mA]	1 000			
LEDs power [W]	36		48	
LEDs luminous flux ¹⁾ [lm]	5 200	4 800	6 950	6 400
Power consumption [W]	42		55	
Luminaire luminous flux ¹⁾ [lm]	4 480	4 500	6 500	6 000
Luminaire efficacy [lm/W]	115	107	118	110
Weight [kg]	8		8	
Volume [m ³]	0,035		0,035	
Windage [m ²]	0,065		0,065	

Distribution of GEMINI LED



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

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

Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
GEMINI LED 36, 48W	Type B	1	2	4	6	11	13	17
	Type C	1	4	6	11	18	22	28

Fuse – type gG and GL							
	2A	4A	6A	10A	16A	20A	25A
GEMINI LED 36, 48W	1	4	7	12	20	25	32

Luminaire GEMINI LED 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,