



CREE
LEDs

Characteristic

Ingress protection of optical system and driver	IP 66
Protection class	II
Nominal input voltage	220 - 240V AC
Frequency	50 - 60 Hz
Power factor	≥0.95
Inrush electric current	53A / 300µs (GULLWING LED 2x 72 W) 2x53A / 300µs (GULLWING LED 2x 108 W, 2 x 144W)
Level of surge protection	10kV
Control system ready input	DALI
Operating temperatures	-40°C to +55°C
Material	anodized aluminium alloy
Colour	graphite / inox
Optical system	PMMA lens, replaceable LED module
LEDs lifetime L90F10	50 000h
Warranty	5 years



Technical parameters

Type	GULLWING LED 2x72		GULLWING LED 2x108		GULLWING LED 2x 144	
Code	218035/6/... ²⁾	218035/3/... ²⁾	218038/6/... ²⁾	218038/3/... ²⁾	218041/6/... ²⁾	218041/3/... ²⁾
Correlated colour temperature [K]	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
Corrective factor S/P	1,8	1,45	1,8	1,45	1,8	1,45
LEDs type	CREE XP-L					
LEDs quantity	2 x 24		2 x 36		2 x 48	
LEDs power [W]	2 x 72		2 x 108		2 x 144	
LEDs luminous flux ¹⁾ [lm]	2 x 10 400	2 x 9 550	2 x 15 600	2x 14 400	2 x 20 850	2 x 19 200
Power consumption [W]	2 x 80		2 x 118		2 x 154	
Luminaire luminous flux ¹⁾ [lm]	2 x 9 750	2 x 8 950	2 x 14 600	2 x 13 450	2 x 19 500	2 x 17 950
Luminaire efficacy [lm/W]	122	112	124	114	126	116
Weight [kg]	57		71		79	
A - luminaire lenght [m]	1,68		2,37		2,80	
H - height [m]	8		9		10	
Volume [m ³]	3,52		5,57		7,54	
Foundation / reinforcing cage	B-70/Z-70					
Foundation code/ reinforcing cage code	311170/311207					
Bolts set regular/ shear	4012/4013					

- 1) including LEDs tolerance parameter accuracy +/- 3%
- 2) code of chosen optics configuration - example: 218035/6/T2 is a GULLWING LED 2x72 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 lighting set GULLWING LED on one circuit, protected by:

Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
GULLWING LED 2x72	Typ B	1	1	3	5	8	10	12
	Typ C	1	3	5	8	13	16	20
GULLWING LED 2x108, 2 x 144	Typ B	0	0	1	2	4	5	6
	Typ C	0	1	2	4	6	8	10

Fuse – type gG and GL							
	2A	4A	6A	10A	16A	20A	25A
GULLWING LED 2x72	2	4	6	10	15	19	24
GULLWING LED 2x108, 2 x 144	1	2	3	5	7	9	12

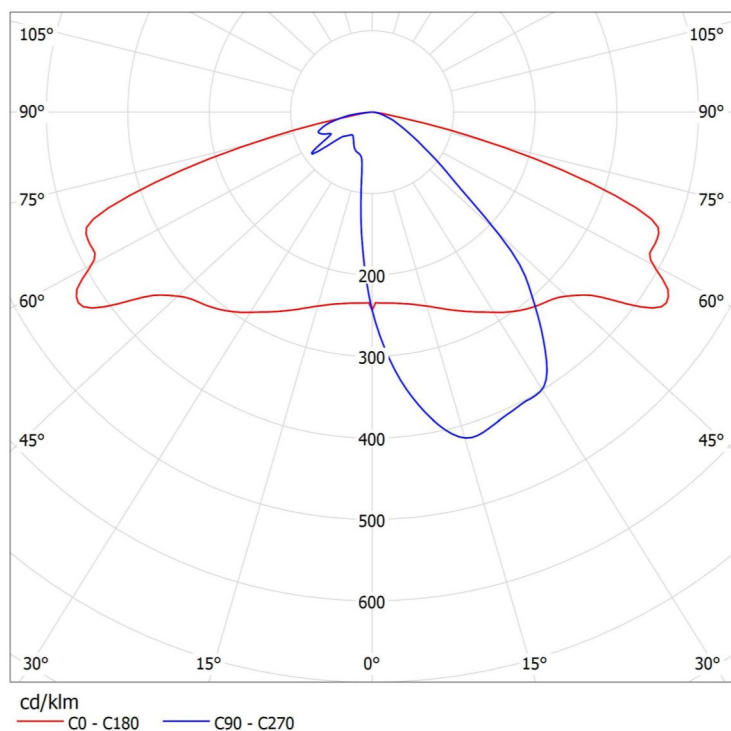
Lighting set GULLWING LED in standard has following functions of intelligent power supply:

- 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 day,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one

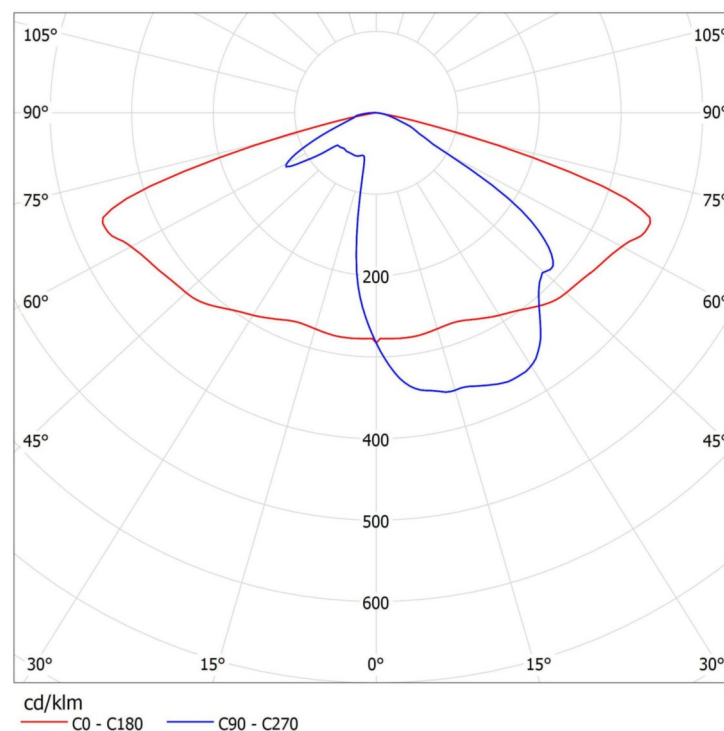


Optics configurations

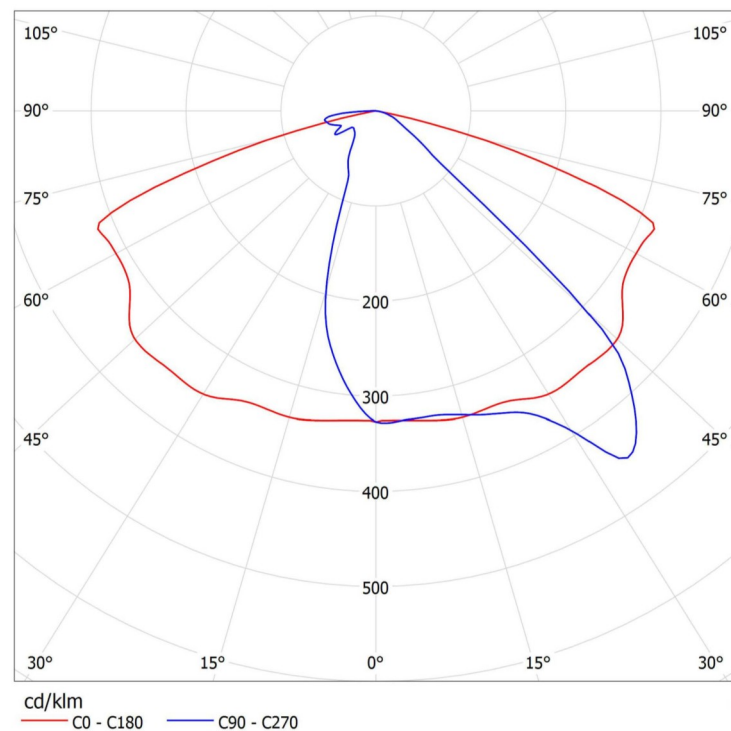
T2



T3



ME



DW

