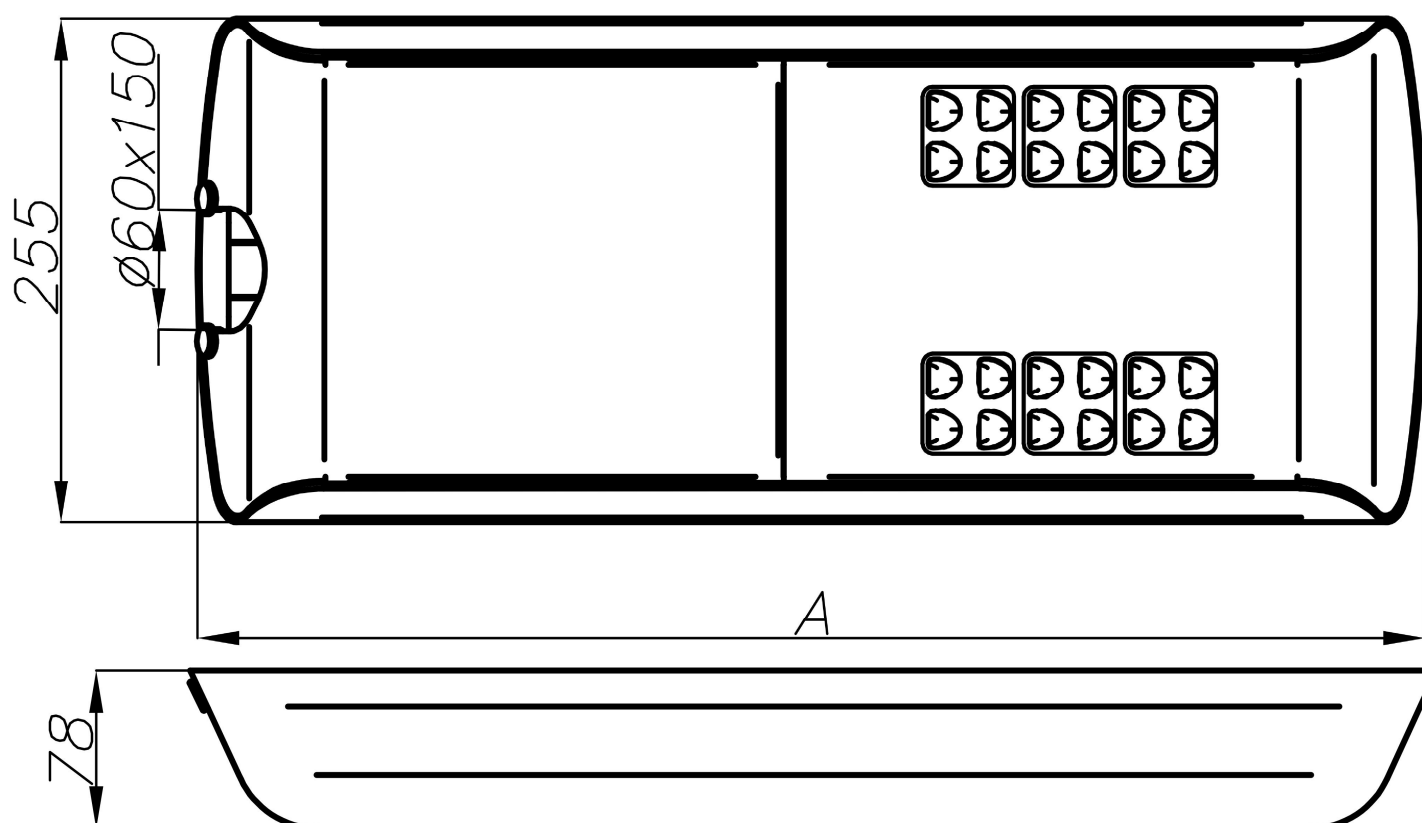




Characteristic

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 CUDDLE LED 48, 60 and 72W), 53A / 300µs (for CUDDLE LED 96, 120 and 144W)
Level of surge protection	10kV
Control system ready input	DALI
Operating temperatures	-40°C to +55°C (for CUDDLE LED 48, 60, 72, 96, 120W), -40°C to +40°C (for CUDDLE LED 144W)
Material	anodized aluminium alloy
Colour	inox / black
Mounting	On the extension arm with spigot ending Ø60x150mm; mount height 6 to 12m depending on the chosen power consumption
Optical system	PMMA lens, replaceable LED module
LEDs lifetime L90F10	50 000h
Warranty	5 years



CREE LEDs



Technical parameters

Type	CUDDLE LED 48		CUDDLE LED 60		CUDDLE LED 72		CUDDLE LED 96		CUDDLE LED 120		CUDDLE LED 144	
Code	222333/6/... ²⁾	222333/3/... ²⁾	222334/6/... ²⁾	222334/3/... ²⁾	222335/6/... ²⁾	222335/3/... ²⁾	222337/6/... ²⁾	222337/3/... ²⁾	222339/6/... ²⁾	222339/3/... ²⁾	222341/6/... ²⁾	222341/3/... 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-G3		CREE XP-G3		CREE XT-E		CREE XP-G3		CREE XP-G3	
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						9					
A – luminaire lenght [mm]	600						820					
Volume [m³]	0,022						0,045					
Windage [m²]	0,048						0,06					

- 1) tolerance +/- 3% due to LEDs accuracy
2) code of chosen optics configuration - example: 222333/6/T2 is a CUDDLE LED 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

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

Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
CUDDLE LED 48, 60, 72W	Type B	1	2	4	6	11	13	17
	Type C	1	4	6	11	18	22	28
CUDDLE LED 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
CUDDLE LED 48, 60, 72W	4	8	11	19	30	38	47
CUDDLE LED 96, 120, 144W	2	4	6	10	15	19	24

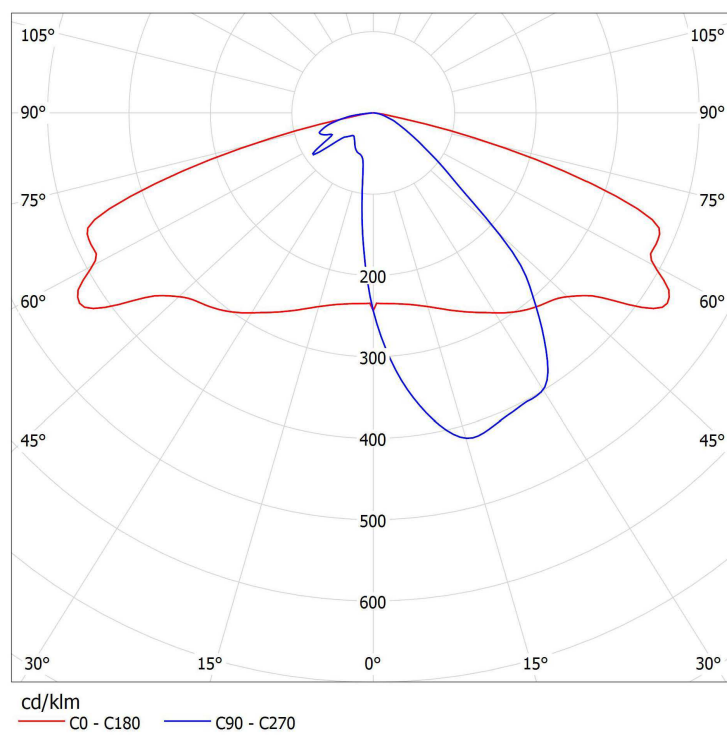
Luminaire CUDDLE LED in standard has following functions of intelligent power supply:

- 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,

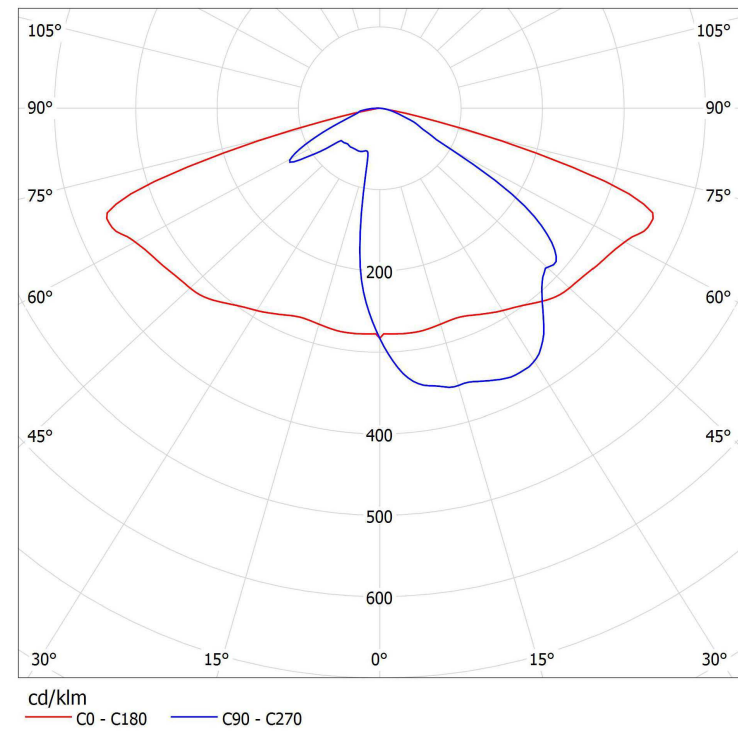


Optics configurations for CUDDLE LED

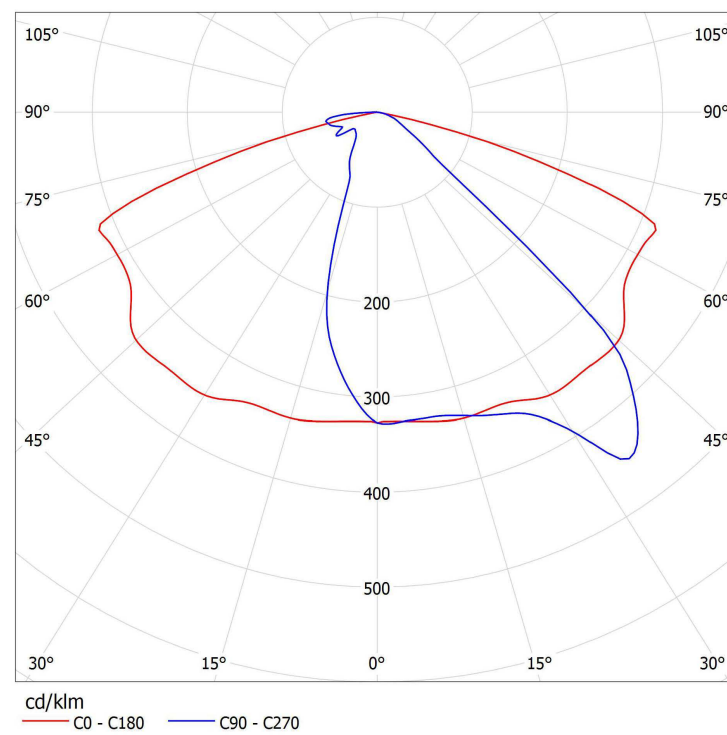
T2



T3



ME



DW

