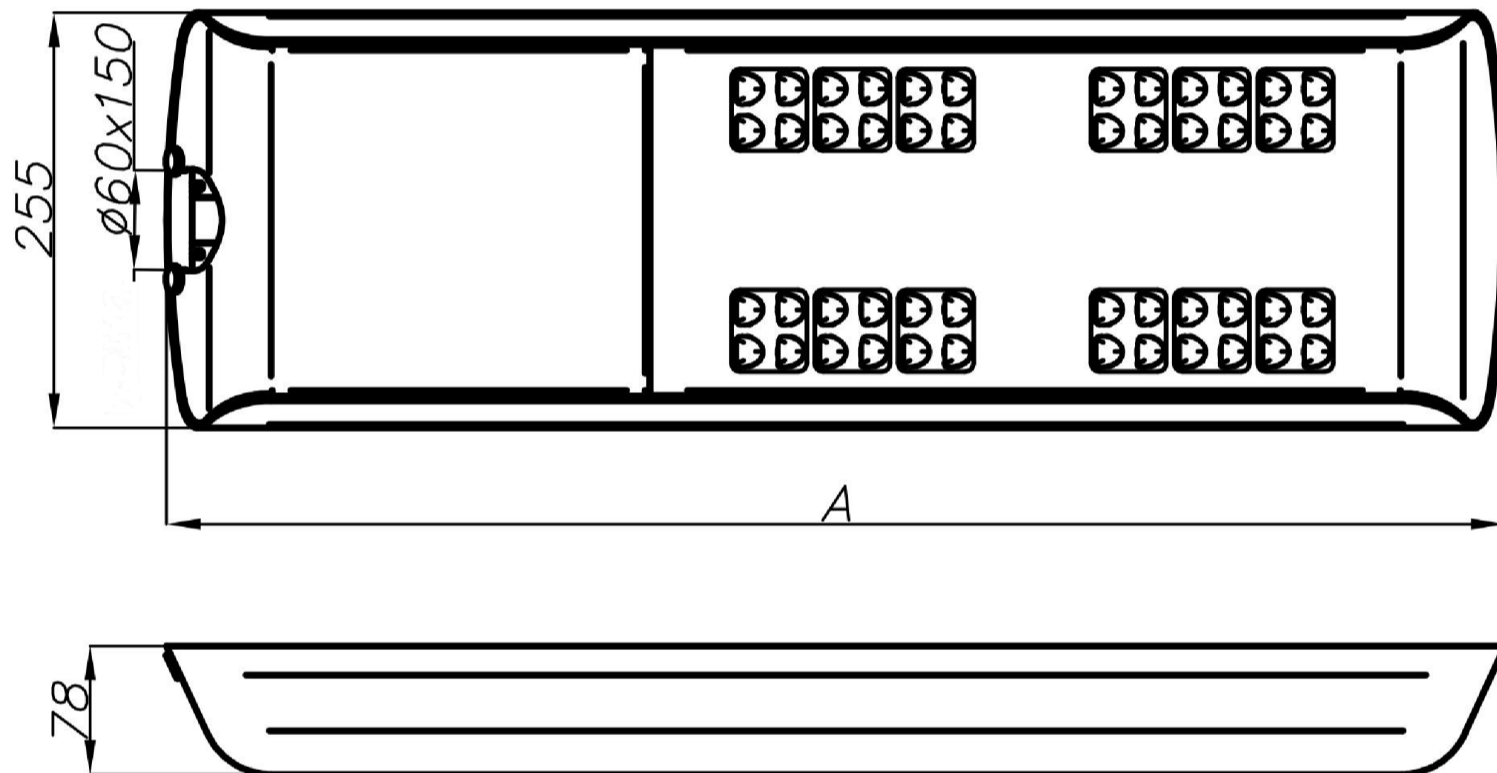




# CUDDLE LED



## Characteristic

Ingress protection of optical system and driver	IP 66
Protection class	II
Nominal input voltage	120 - 277 V AC
Frequency	50/60 Hz
Operating temperatures	-40°C to +40°C
Material	anodized aluminium alloy
Colour	inox / black
Setup	on the extension arm; mount height 6 to 12m depending on the chosen optics configuration
Optical system	PMMA lens, replaceable LED module
LEDs type	>50 000h
LEDs lifetime L90	5 years





# CUDDLE LED



## Technical parameters

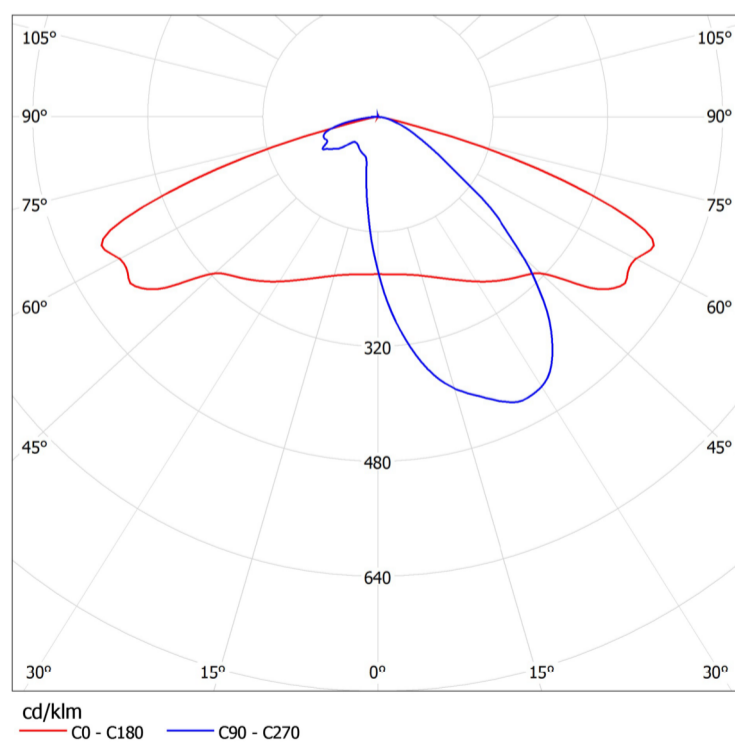
Type	CUDDLE LED 48		CUDDLE LED 72		CUDDLE LED 96		CUDDLE LED 144	
Code	222333/6/... <sup>2)</sup>	222333/3/... <sup>2)</sup>	222335/6/... <sup>2)</sup>	222335/3/... <sup>2)</sup>	222337/6/... <sup>2)</sup>	222337/3/... <sup>2)</sup>	222341/6/... <sup>2)</sup>	222341/3/... <sup>2)</sup>
Correlated colour temperature [K]	5 000	3 500	5 000	3 500	5 000	3 500	5 000	3 500
Color rendering index CRI	75 <sup>3)</sup>	>80	75 <sup>3)</sup>	>80	75 <sup>3)</sup>	>80	75 <sup>3)</sup>	>80
LEDs type	CREE XT-E		CREE XM-L2		CREE XT-E		CREE XM-L2	
LEDs quantity	24		24		48		48	
LEDs power [W]	48		72		96		144	
LEDs luminous flux <sup>1)</sup> [lm]	5 450		10 500	8 500	10 900		20 950	17 000
Power consumption [W]	55		80		105		154	
Luminaire luminous flux <sup>1)</sup> [lm]	5 000		9 800	7 950	10 000		19 600	15 900
Luminaire efficacy [lm/W]	91		123	99	95		127	103
Weight [kg]	8		8		9		9	
A – luminaire length [mm]	600				820			
Volume [m <sup>3</sup> ]	0,022		0,022		0,045		0,045	
Windage [m <sup>2</sup> ]	0,028		0,028		0,06		0,06	

- 1) including LEDs tolerance parameter accuracy +/- 3%
- 2) code of chosen optics configuration - example: 222333/6/T2 is a CUDDLE LED 48 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

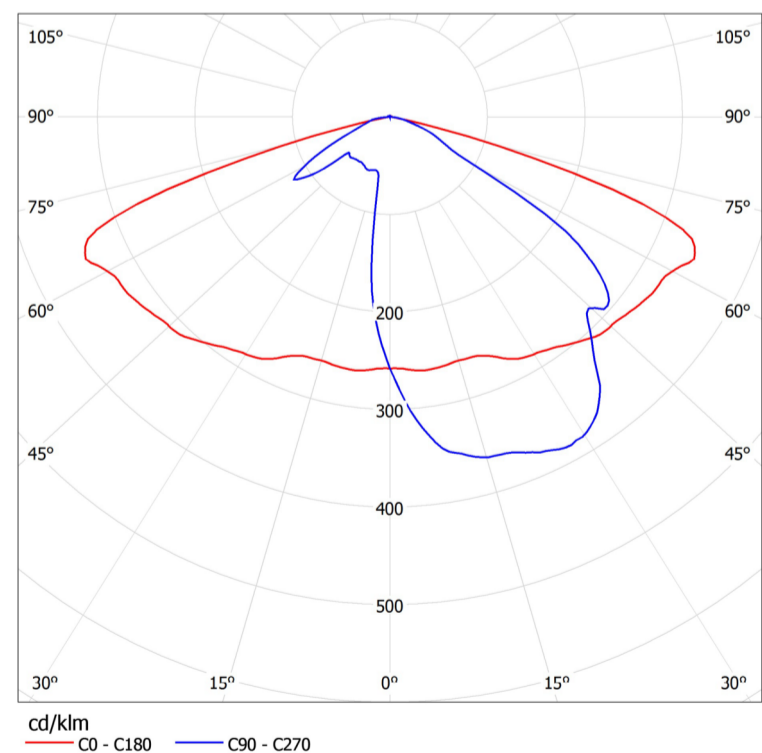
## Optics configurations for CUDDLE LED

**T2**



- ME2 lighting class
- highly effective with double configuration

**T3**



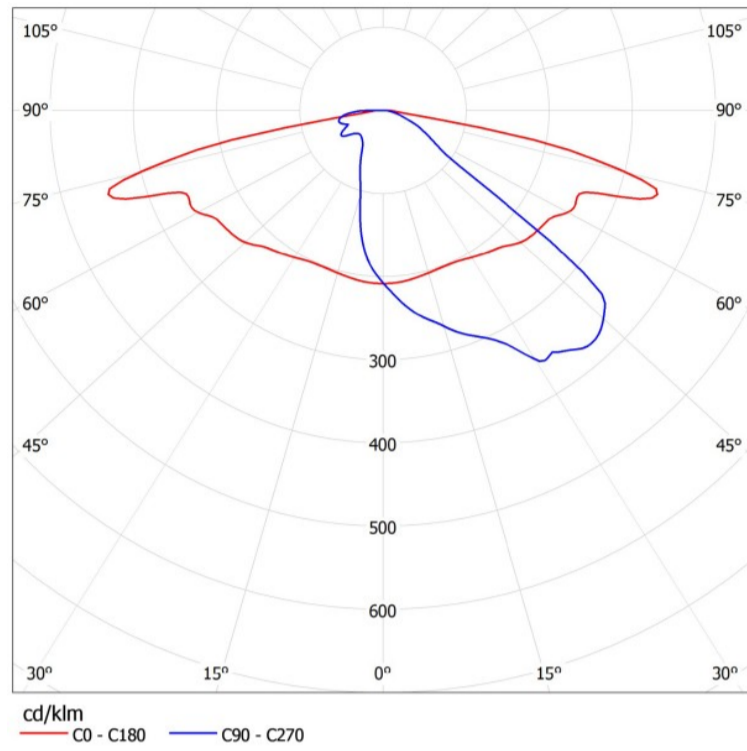
- ME3 lighting class
- mounting height up to 10m
- high longitudinal uniformity UI



# CUDDLE LED

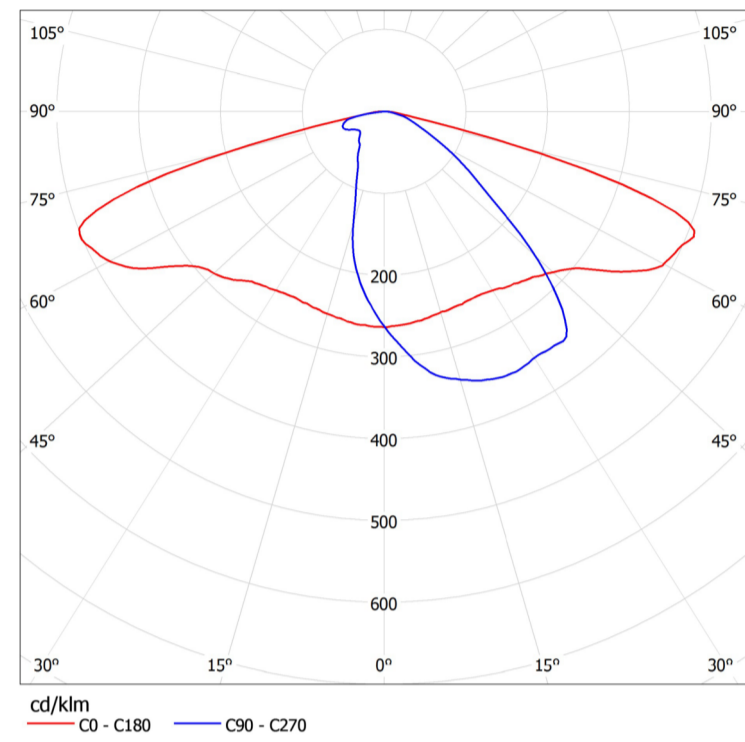


ME



- ME lighting class,
- high rate of surrounding lighting  $SR > 0,6$

DW



- ME lighting class, pedestrian ways
- height up to 8m
- very high longitudinal uniformity of luminance UI