

CUDDLE MINI LED REG D4i



TECHNICAL DATA

Application	urban roads, residential roads (internal), pedestrians, parkings
Assembly	directly on column with ø 60 x 180 mm ending or on extension arm with ø 60 x 100 mm ending
Colour	inox / black
Ingress protection	IP 66 for the optical part and the driver
Optical system	PMMA optics, interchangeable LED module, tempered glass diffuser
Material	anodised aluminium alloy
Operating temperature range	from -40°C to +40°C
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Input voltage frequency	50/60Hz
Power factor	≥0.95
Number of LED	16
Control system	Luminaire can be connected to an external control system and / or sensors via socket compatible with Zhaga Book 18

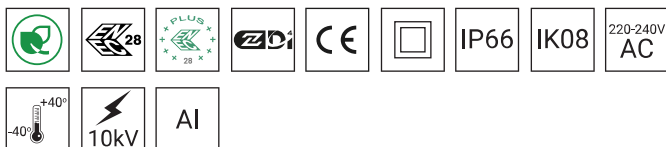


TABLE OF VARIANTS

Code	Symbol	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ¹	Luminaire luminous flux ¹	Luminous efficacy ¹	Unit volume	Inrush current	D4i socket	Net weight
2228230/1/... ²	CUDDLE MINI LED REG D4i 24	24 W	26 W	250 mA	2700 K	4450 lm	3250 lm	125 lm/W	0.013 m³	24.6A / 195.5µs	1 ↑	5 kg
2228230/3/... ²	CUDDLE MINI LED REG D4i 24	24 W	26 W	250 mA	3500 K	4650 lm	3400 lm	131 lm/W	0.013 m³	24.6A / 195.5µs	1 ↑	5 kg
2228230/4/... ²	CUDDLE MINI LED REG D4i 24	24 W	26 W	250 mA	4000 K	4800 lm	3500 lm	135 lm/W	0.013 m³	24.6A / 195.5µs	1 ↑	5 kg
2228230/6/... ²	CUDDLE MINI LED REG D4i 24	24 W	26 W	250 mA	5000 K	4750 lm	3450 lm	133 lm/W	0.013 m³	24.6A / 195.5µs	1 ↑	5 kg
2228232/1/... ²	CUDDLE MINI LED REG D4i 36	36 W	39 W	375 mA	2700 K	6550 lm	4800 lm	123 lm/W	0.013 m³	24.6A / 195.5µs	1 ↑	5 kg
2228232/3/... ²	CUDDLE MINI LED REG D4i 36	36 W	39 W	375 mA	3500 K	6850 lm	5000 lm	128 lm/W	0.013 m³	24.6A / 195.5µs	1 ↑	5 kg
2228232/4/... ²	CUDDLE MINI LED REG D4i 36	36 W	39 W	375 mA	4000 K	7050 lm	5150 lm	132 lm/W	0.013 m³	24.6A / 195.5µs	1 ↑	5 kg
2228232/6/... ²	CUDDLE MINI LED REG D4i 36	36 W	39 W	375 mA	5000 K	6950 lm	5050 lm	129 lm/W	0.013 m³	24.6A / 195.5µs	1 ↑	5 kg
2228233/1/... ²	CUDDLE MINI LED REG D4i 48	48 W	54 W	500 mA	2700 K	8550 lm	6250 lm	116 lm/W	0.013 m³	98A / 120µs	1 ↑	5 kg
2228233/3/... ²	CUDDLE MINI LED REG D4i 48	48 W	54 W	500 mA	3500 K	8950 lm	6500 lm	120 lm/W	0.013 m³	98A / 120µs	1 ↑	5 kg
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2228234/1/... ²	CUDDLE MINI LED REG D4i 60	60 W	67 W	625 mA	2700 K	10450 lm	7650 lm	114 lm/W	0.013 m³	98A / 120µs	1 ↑	5 kg
2228234/3/... ²	CUDDLE MINI LED REG D4i 60	60 W	67 W	625 mA	3500 K	10950 lm	7950 lm	119 lm/W	0.013 m³	98A / 120µs	1 ↑	5 kg
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2228630/1/... ²	CUDDLE MINI LED REG D4i D 24	24 W	26 W	250 mA	2700 K	4450 lm	3250 lm	125 lm/W	0.013 m³	24.6A / 195.5µs	1 ↓	5 kg
2228630/3/... ²	CUDDLE MINI LED REG D4i D 24	24 W	26 W	250 mA	3500 K	4650 lm	3400 lm	131 lm/W	0.013 m³	24.6A / 195.5µs	1 ↓	5 kg
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Updated at: 18-03-2025

Zakład Produkcji Sprzętu Oświetleniowego „ROSA” Sp. z o.o.
43-109 Tychy, ul. Strefowa 1 tel. +48 32 73 88 901
www.rosa.pl

CUDDLE MINI LED REG D4I



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2228634/1/... ²	CUDDLE MINI LED REG D4i D 60	60 W	67 W	625 mA	2700 K	10450 lm	7650 lm	114 lm/W	0.013 m³	98A / 120µs	1 ↓	5 kg
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1) tolerance +/- 5% due to LEDs accuracy

2) symbol of chosen optical system eg. 2228233/6/T2 is CUDDLE MINI LED REG D4i 48 5000K with T2 optical system

DIRECTIVES AND STANDARDS

DIRECTIVES: 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE RoHS (Official Journal of the UE L 174/88 01.07.2011), 2009/125/EC(Official Journal of the UE L 285/10 31.10.2009)

STANDARDS: PN-EN IEC 60598-1: 2021-7, PN-EN 60598-2-3: 2006, PN-EN 60529: 2003, PN-EN 62262: 2003, PN-EN 62471:2010, PN-EN 55015: 2019, PN-EN 61547: 2009, PN-EN 61000-3-2: 2019 , PN-EN 61000-3-3: 2014

Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

CUDDLE MINI LED REG D4I



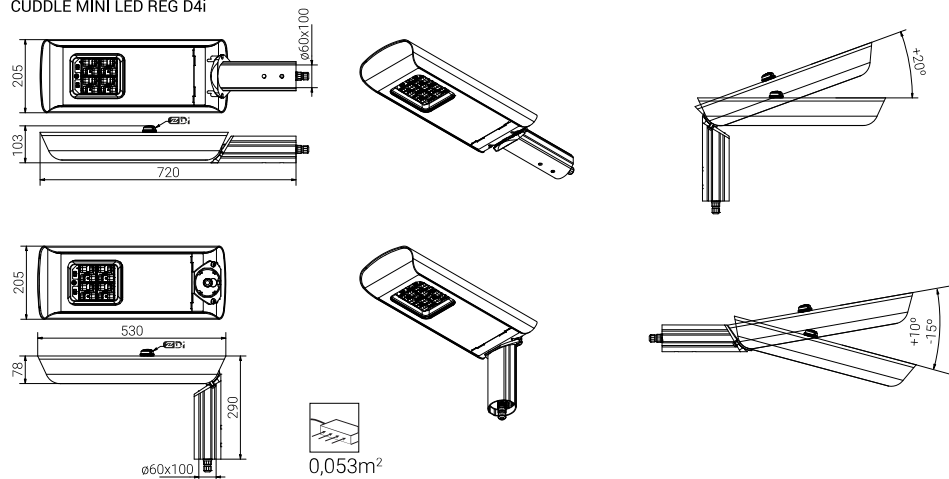
CHARGING DISCHARGE FROM THE LED LUMINAIRE HOUSING

In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:

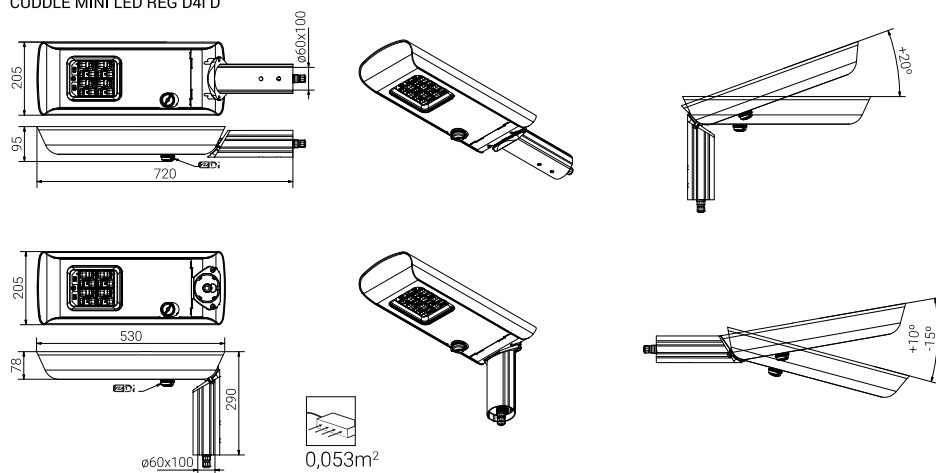
- functional grounding
- LED luminaire with an additional protection device

TECHNICAL DRAWING

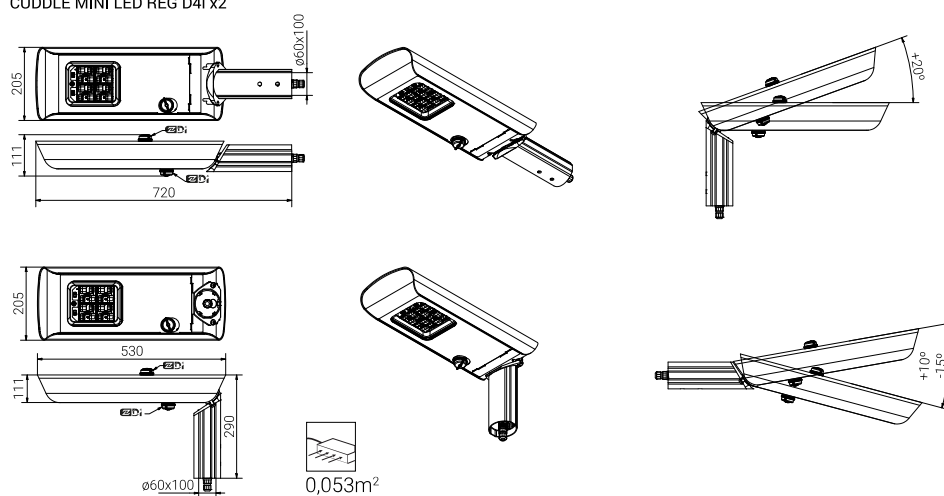
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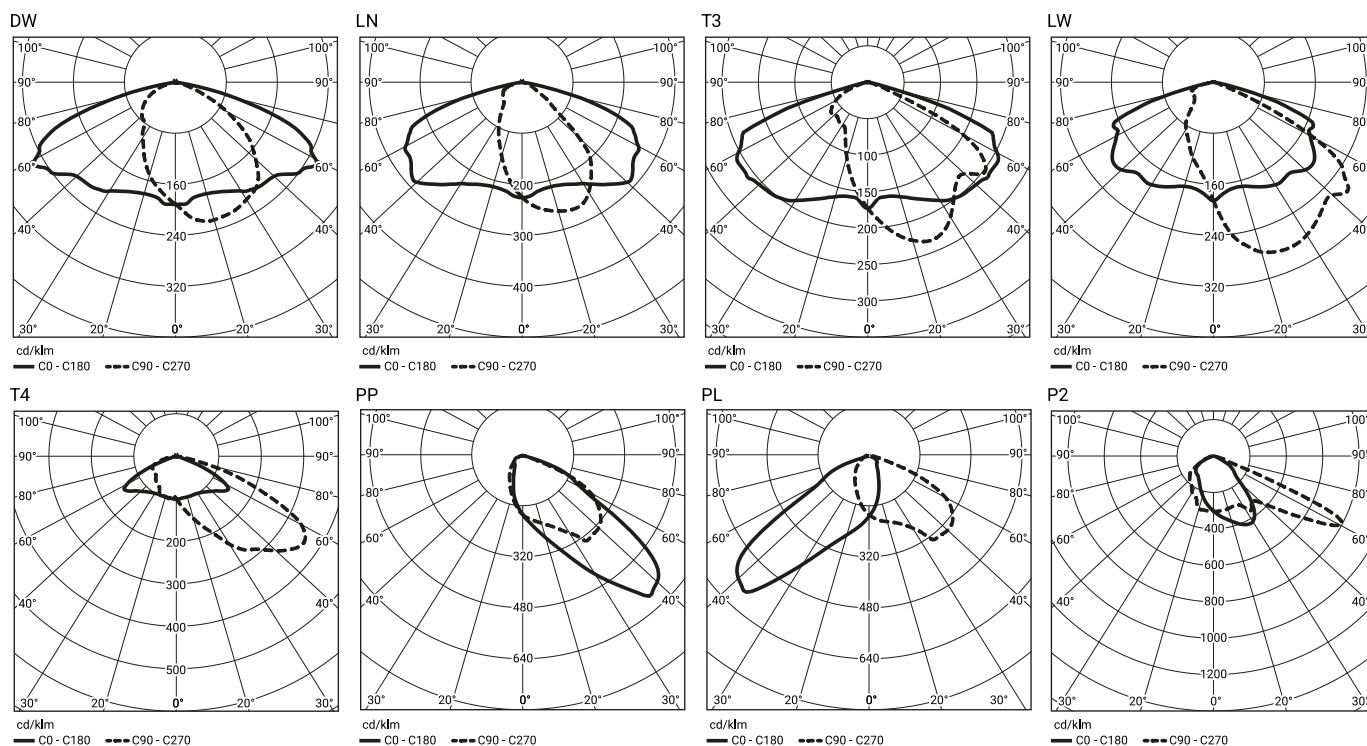
CUDDLE MINI LED REG D4i D



CUDDLE MINI LED REG D4i x2



PHOTOMETRIC CURVES



POWER SYSTEM FUNCTIONS

Luminaire in standard has following functions of intelligent power supply:

- Possibility of programming multistage dimming of luminaire, up to 5 intervals in the range of from 10 to 100% of nominal power,
- LED module equipped with thermal protection implemented via an NTC thermistor,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

ACCETABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

Overcurrent switches MCB type B or C

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
CUDDLE MINI LED REG D4i 24, 36W	B	4	7	12	18	30	37	46
	C	4	10	16	27	43	54	68
CUDDLE MINI LED REG D4i 48W	B	1	2	4	6	10	12	15
	C	1	4	6	10	17	20	26
CUDDLE MINI LED REG D4i 60W	B	1	2	4	6	10	12	15
	C	1	4	6	10	17	20	26

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
CUDDLE MINI LED REG D4i 24, 36W	1	10	20	26	52	71	101
CUDDLE MINI LED REG D4i 48W	1	10	16	26	43	54	68
CUDDLE MINI LED REG D4i 60W	0	2	4	5	10	14	20