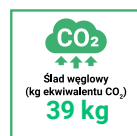
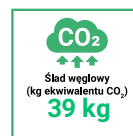
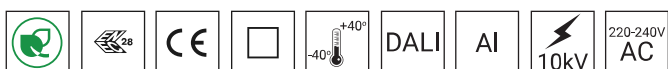




Application	motorways and expressway, urban roads, residential roads (internal), pedestrians, parkings
Assembly	on extension arms with \varnothing 60 x 100 mm ending
Luminaire angular adjustment	without (only CUDDLE II LED REG luminaire has it)
Ingress protection	IP 66 for the optical part and the driver
Optical system	PMMA optics, interchangeable LED module, PC-UV diffuser
Material	anodised aluminium alloy
Colour	inox / black
Operating temperature range	from -40°C to +40°C
Expected useful lifetime	L90F10 - 50 000 h, L80F20 - 100 000 h
Input voltage frequency	50/60Hz
Power factor	≥ 0.95
Control system	Luminaire has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).
Carbon footprint - icon	test



test

Code	Code	Symbol	LED power	Luminaire Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ¹	Luminaire luminous flux ¹	Luminous efficacy	Unit volume	Net weight
2223033/1X	2223033/1/... ² X	-	482 W	55 W	700 mA	2700 K	7050 lm	6000 lm	109 lm/W	0.024 m3	5.6 kg
2223033/3	2223033/3/... ²	CUDDLE II LED 48	48 W	55 W	700 mA	3500 K	7350 lm	6250 lm	114 lm/W	0.024 m3	5.6 kg
2223033/4	2223033/4/... ²	CUDDLE II LED 48	48 W	55 W	700 mA	4000 K	8650 lm	7450 lm	135 lm/W	0.024 m3	5.6 kg
2223033/6	2223033/6/... ²	CUDDLE II LED 48	48 W	55 W	700 mA	5000 K	8650 lm	7450 lm	135 lm/W	0.024 m3	5.6 kg
2223034/1	2223034/1/... ²	CUDDLE II LED 60	60 W	67 W	830 mA	2700 K	8150 lm	7000 lm	104 lm/W	0.024 m3	5.6 kg
2223034/3	2223034/3/... ²	CUDDLE II LED 60	60 W	67 W	830 mA	3500 K	8500 lm	7350 lm	110 lm/W	0.024 m3	5.6 kg
2223034/4	2223034/4/... ²	CUDDLE II LED 60	60 W	67 W	830 mA	4000 K	10050 lm	8550 lm	128 lm/W	0.024 m3	5.6 kg
2223034/6	2223034/6/... ²	CUDDLE II LED 60	60 W	67 W	830 mA	5000 K	10050 lm	8550 lm	128 lm/W	0.024 m3	5.6 kg
2223035/1	2223035/1/... ²	CUDDLE II LED 72	72 W	79 W	1000 mA	2700 K	9450 lm	8050 lm	102 lm/W	0.024 m3	5.6 kg
2223035/3	2223035/3/... ²	CUDDLE II LED 72	72 W	79 W	1000 mA	3500 K	9900 lm	8450 lm	107 lm/W	0.024 m3	5.6 kg
2223035/4	2223035/4/... ²	CUDDLE II LED 72	72 W	79 W	1000 mA	4000 K	11650 lm	9950 lm	126 lm/W	0.024 m3	5.6 kg
2223035/6	2223035/6/... ²	CUDDLE II LED 72	72 W	79 W	1000 mA	5000 K	11650 lm	9950 lm	126 lm/W	0.024 m3	5.6 kg
2223037/1	2223037/1/... ²	CUDDLE II LED 96	96 W	105 W	500 mA	2700 K	14850 lm	12700 lm	121 lm/W	0.033 m3	7.8 kg
2223037/3	2223037/3/... ²	CUDDLE II LED 96	96 W	105 W	500 mA	3500 K	15500 lm	13200 lm	126 lm/W	0.033 m3	7.8 kg
2223037/4	2223037/4/... ²	CUDDLE II LED 96	96 W	105 W	500 mA	4000 K	18000 lm	15300 lm	146 lm/W	0.033 m3	7.8 kg
2223037/6	2223037/6/... ²	CUDDLE II LED 96	96 W	105 W	500 mA	5000 K	18000 lm	15300 lm	146 lm/W	0.033 m3	7.8 kg
2223039/1	2223039/1/... ²	CUDDLE II LED 120	120 W	129 W	625 mA	2700 K	17900 lm	15250 lm	118 lm/W	0.033 m3	7.8 kg
2223039/3	2223039/3/... ²	CUDDLE II LED 120	120 W	129 W	625 mA	3500 K	18700 lm	15900 lm	123 lm/W	0.033 m3	7.8 kg
2223039/4	2223039/4/... ²	CUDDLE II LED 120	120 W	129 W	625 mA	4000 K	21700 lm	18400 lm	143 lm/W	0.033 m3	7.8 kg
2223039/6	2223039/6/... ²	CUDDLE II LED 120	120 W	129 W	625 mA	5000 K	21700 lm	18400 lm	143 lm/W	0.033 m3	7.8 kg
2223041/1	2223041/1/... ²	CUDDLE II LED 144	144 W	154 W	750 mA	2700 K	20600 lm	17500 lm	114 lm/W	0.033 m3	7.8 kg
2223041/3	2223041/3/... ²	CUDDLE II LED 144	144 W	154 W	750 mA	3500 K	21500 lm	18300 lm	119 lm/W	0.033 m3	7.8 kg
2223041/4	2223041/4/... ²	CUDDLE II LED 144	144 W	154 W	750 mA	4000 K	24900 lm	21200 lm	138 lm/W	0.033 m3	7.8 kg
2223041/6	2223041/6/... ²	CUDDLE II LED 144	144 W	154 W	750 mA	5000 K	24900 lm	21200 lm	138 lm/W	0.033 m3	7.8 kg
2223046/1	2223046/1/... ²	CUDDLE II LED 192	192 W	205 W	1000 mA	2700 K	24000 lm	20400 lm	100 lm/W	0.033 m3	7.8 kg
2223046/3	2223046/3/... ²	CUDDLE II LED 192	192 W	205 W	1000 mA	3500 K	25000 lm	21300 lm	104 lm/W	0.033 m3	7.8 kg

2223046/4	2223046/4/... ²	CUDDLE II LED 192	192 W	205 W	1000 mA	4000 K	29000 lm	24600 lm	120 lm/W	0.033 m ³	7.8 kg
2223046/6	2223046/6/... ²	CUDDLE II LED 192	192 W	205 W	1000 mA	5000 K	29000 lm	24600 lm	120 lm/W	0.033 m ³	7.8 kg

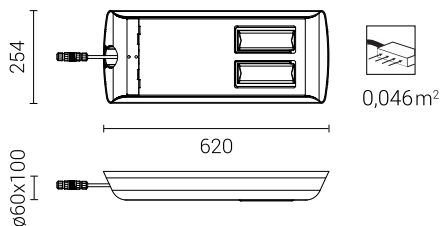
1) ze względu na klasę dokładności diod tolerancja wartości wynosi +/- 5%

: 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, 2009/125/EC
 : PN-EN 60598-1: 2015, PN-EN 60598-2-3: 2006, PN-EN 60529: 2003, PN-EN 62262: 2003, PN-EN 62471:2010, PN-EN 55015: 2013, PN-EN 61547: 2009, PN-EN 61000-3-2: 2014
 , PN-EN 61000-3-3: 2013 Parametry świetlne przedstawione na podstawie badań laboratoryjnych według IESNA LM 79-08

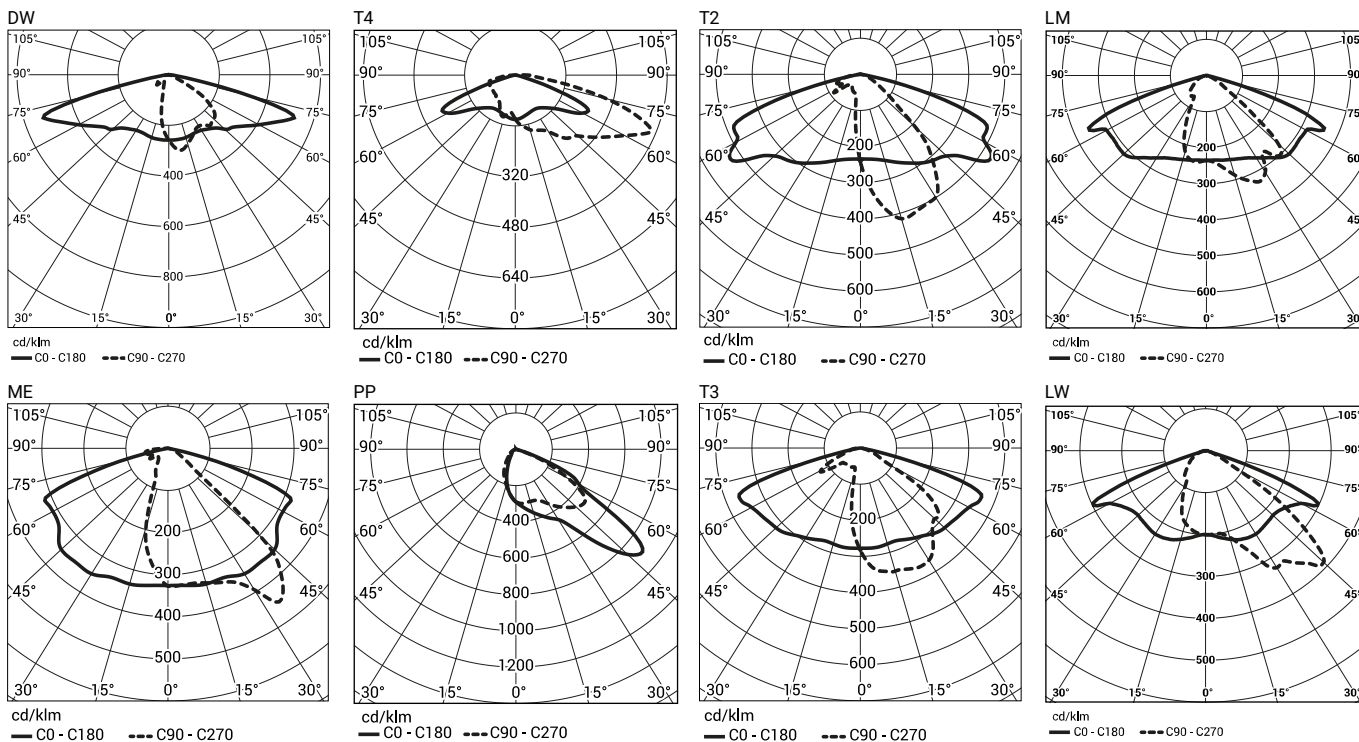
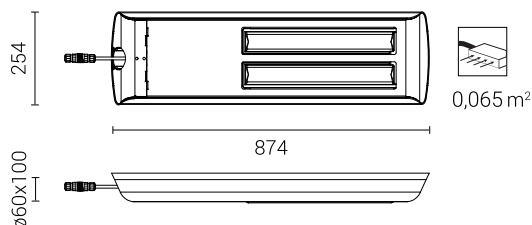
In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required (for more information visit: www.rosa.pl/en/knowledge/LED-lighting):

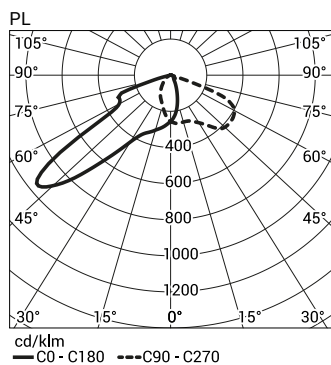
- functional grounding
- LED luminaire with an additional protection device

CUDDLE II LED 48W, 60W, 72W



CUDDLE II LED 96W, 120W, 144W, 192W





Oprawa standardowo posiada następujące funkcje inteligentnego układu zasilającego:

- Podłączenie do zewnętrznego systemu sterowania poprzez interfejs DALI (opcjonalna obsługa analogowego sygnału 1-10V),
- Możliwość zaprogramowania wielostopniowego ściemnienia oprawy - do 5 przedziałów czasowych w zakresie od 10 do 100% mocy nominalnej,
- Zabezpieczenie temperaturowe modułu LED przed przegrzaniem, w przypadku niezamierzonej pracy oprawy w ciągu dnia,
- Regulacja mocy/strumienia świetlnego oprawy - opcja ustawienia innej wartości niż katalogowa, w zakresie 30-100% mocy lub nominalnego strumienia

Overcurrent switches MCB type B or C

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
CUDDLE II LED 48, 60, 72W	B	1	2	4	6	11	13	17
	C	1	4	6	11	18	22	28
CUDDLE II LED 96, 120, 144W	B	1	1	3	5	8	12	12
	C	1	3	5	8	13	16	20
CUDDLE II LED 192W	B	0	1	2	4	8	10	12
	C	1	2	4	6	13	16	18

Fuse - type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
CUDDLE II LED 48, 60, 72W	1	2	11	19	30	38	47
CUDDLE II LED 96, 120, 144W	1	1	6	9	15	19	24
CUDDLE II LED 192W	0	1	4	7	12	15	19