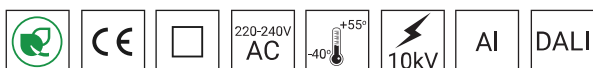




<b>Application</b>	urban roads, residential roads (internal), parks, pedestrians, parkings
<b>Assembly</b>	on extension arms, wall brackets, columns with extension arms with $\varnothing$ 42 x 40 mm ending
<b>Ingress protection</b>	IP 66
<b>Material</b>	body and cap – anodised aluminium formed sheet metal
<b>Colour</b>	black
<b>Operating temperature range</b>	from -40°C to +55°C
<b>Expected useful lifetime</b>	L90F10 - 50 000 h, L80F20 - 100 000 h
<b>Input voltage frequency</b>	50/60Hz
<b>Power factor</b>	$\geq 0.95$
<b>Control system</b>	Luminaire has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).



Code	Code	Symbol	LED power	Luminaire Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux <sup>1</sup>	Luminaire luminous flux <sup>1</sup>	Luminous efficacy	Unit volume	Net weight
2109030/1	2109030/1/... <sup>2</sup>	OW LED 24	24 W	28 W	700 mA	2700 K	3600 lm	3150 lm	113 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109030/3	2109030/3/... <sup>2</sup>	OW LED 24	24 W	28 W	700 mA	3500 K	3700 lm	3250 lm	117 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109030/4	2109030/4/... <sup>2</sup>	OW LED 24	24 W	28 W	700 mA	4000 K	4450 lm	3800 lm	136 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109030/6	2109030/6/... <sup>2</sup>	OW LED 24	24 W	28 W	700 mA	5000 K	4450 lm	3800 lm	136 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109032/1	2109032/1/... <sup>2</sup>	OW LED 36	36 W	40 W	1000 mA	2700 K	4900 lm	4300 lm	108 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109032/3	2109032/3/... <sup>2</sup>	OW LED 36	36 W	40 W	1000 mA	3500 K	5100 lm	4550 lm	114 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109032/4	2109032/4/... <sup>2</sup>	OW LED 36	36 W	40 W	1000 mA	4000 K	6000 lm	5350 lm	134 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109032/6	2109032/6/... <sup>2</sup>	OW LED 36	36 W	40 W	1000 mA	5000 K	6000 lm	5350 lm	134 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109033/1	2109033/1/... <sup>2</sup>	OW LED 48	48 W	55 W	700 mA	2700 K	7050 lm	6150 lm	112 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109033/3	2109033/3/... <sup>2</sup>	OW LED 48	48 W	55 W	700 mA	3500 K	7350 lm	6500 lm	119 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109033/4	2109033/4/... <sup>2</sup>	OW LED 48	48 W	55 W	700 mA	4000 K	8650 lm	7500 lm	136 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109033/6	2109033/6/... <sup>2</sup>	OW LED 48	48 W	55 W	700 mA	5000 K	8650 lm	7500 lm	136 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109034/1	2109034/1/... <sup>2</sup>	OW LED 60	60 W	67 W	830 mA	2700 K	8150 lm	7100 lm	106 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109034/3	2109034/3/... <sup>2</sup>	OW LED 60	60 W	67 W	830 mA	3500 K	8500 lm	7450 lm	112 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109034/4	2109034/4/... <sup>2</sup>	OW LED 60	60 W	67 W	830 mA	4000 K	10050 lm	8800 lm	131 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109034/6	2109034/6/... <sup>2</sup>	OW LED 60	60 W	67 W	830 mA	5000 K	10050 lm	8800 lm	131 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109035/1	2109035/1/... <sup>2</sup>	OW LED 72	72 W	79 W	1000 mA	2700 K	9450 lm	8250 lm	105 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109035/3	2109035/3/... <sup>2</sup>	OW LED 72	72 W	79 W	1000 mA	3500 K	9900 lm	8700 lm	111 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109035/4	2109035/4/... <sup>2</sup>	OW LED 72	72 W	79 W	1000 mA	4000 K	11650 lm	10200 lm	129 lm/W	0.16 m <sup>3</sup>	6.3 kg
2109035/6	2109035/6/... <sup>2</sup>	OW LED 72	72 W	79 W	1000 mA	5000 K	11650 lm	10200 lm	129 lm/W	0.16 m <sup>3</sup>	6.3 kg

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

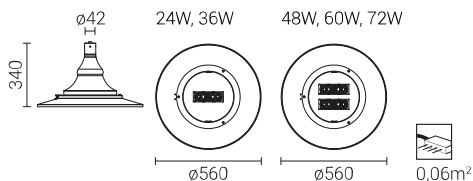
2) symbol wybranego układu optycznego np. 21090/T2 to oprawa OW LED z układem optycznym T2

: 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

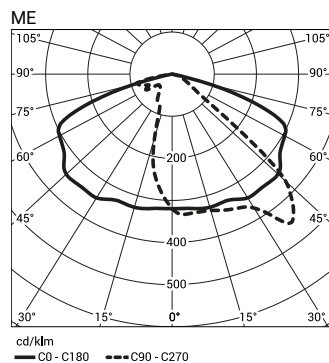
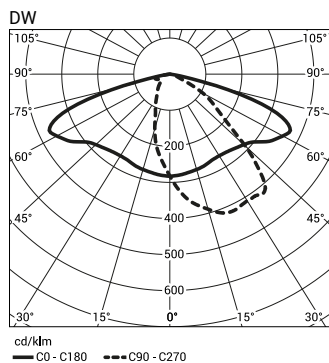
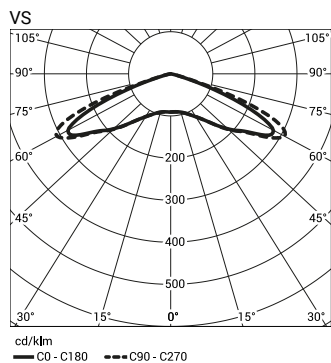
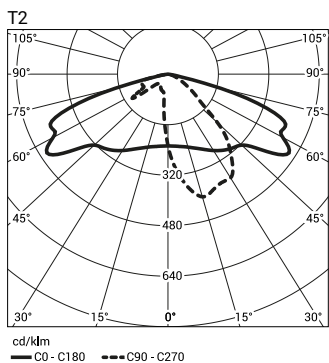
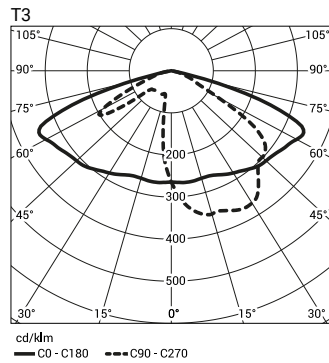
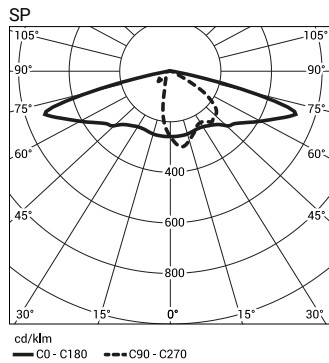
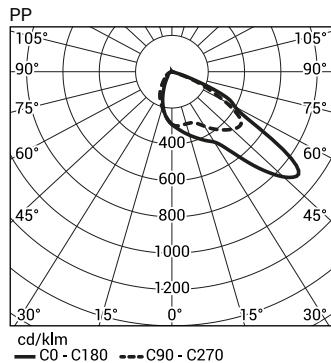
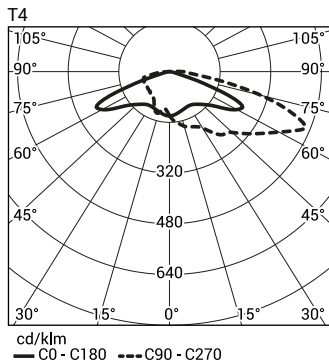
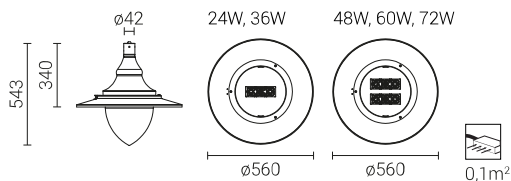
In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required (for more information visit: [www.rosa.pl/en/knowledge/LED-lighting](http://www.rosa.pl/en/knowledge/LED-lighting)):

- functional grounding
- LED luminaire with an additional protection device

## OW LED



## OW LED Z KLOSZEM



### 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
OW LED 24, 36W	B	3	6	10	16	26	32	40
	C	3	10	16	27	44	54	67
OW LED 48, 60, 72W	B	1	2	4	6	11	12	15
	C	1	4	6	10	17	20	26

#### Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
OW LED 24, 36W	1	10	19	25	50	68	97
OW LED 48, 60, 72W	0	4	8	11	22	31	44

### KLOSZE DO OPRAWY OW LED



Kod	Nazwa	Objętość jednostkowa	Waga
690893	Klosz PMMA przezroczysty do OW LED	0,02m <sup>3</sup>	0,55kg
690898	Klosz PMMA mrożony do OW LED	0,02m <sup>3</sup>	0,55kg