

# DROP LED



**Application:** residential roads (internal), surrounding office buildings, parks, pedestrians

**Assembly:** on the extension arm Ø42x30; recommended mount height 4-5 m

**Ingress protection:** IP 66

**Material:** anodised aluminium alloy

**Colour:** inox / graphite

**Optical system:** PMMA optics

**Number of LEDs:** 16

**Operating temperature range:** from -40°C to +55°C

**Expected useful lifetime:** L90F10 – 50 000 h, L80F20 – 100 000 h

**CRI:** >70 for 5000K, 4000K; >80 for 3500K

**Corrective factor S/P:** 1,8 for 5000K; 1,45 for 3500K; 1,55 for 4000K

**Input voltage frequency:** 50 - 60Hz

**Power factor:** ≥0.95

**Inrush current:** : 46A / 250µs

Luminaire DROP LED has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).

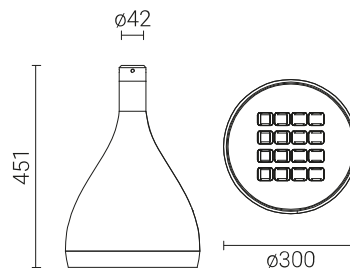
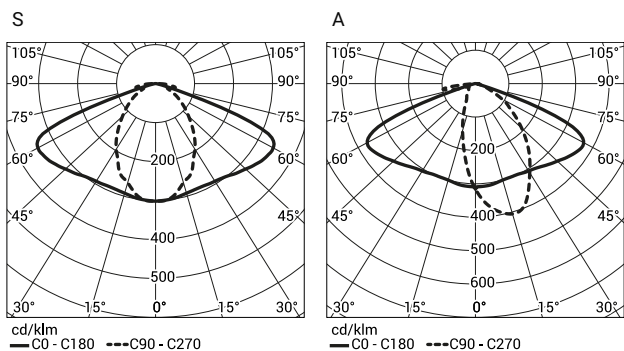


Code	Symbol	LED power	Luminaire Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux <sup>2)</sup>	Luminaire luminous flux <sup>2)</sup>	Luminous efficacy	Unit volume	Luminaire net weight
<b>214930/3/...</b> <sup>1)</sup>	DROP LED 24	24W	32W	500mA	3500K	3 500lm	3350lm	105lm/W	0,041m <sup>3</sup>	6,5kg
<b>214930/4/...</b> <sup>1)</sup>	DROP LED 24	24W	32W	500mA	4000K	3 900lm	3450lm	108lm/W	0,041m <sup>3</sup>	6,5kg
<b>214930/6/...</b> <sup>1)</sup>	DROP LED 24	24W	32W	500mA	5000K	4 100lm	3650lm	114lm/W	0,041m <sup>3</sup>	6,5kg
<b>214932/3/...</b> <sup>1)</sup>	DROP LED 36	36W	42W	750mA	3500K	4 950lm	4600lm	110lm/W	0,041m <sup>3</sup>	6,5kg
<b>214932/4/...</b> <sup>1)</sup>	DROP LED 36	36W	42W	750mA	4000K	5 500lm	4700lm	112lm/W	0,041m <sup>3</sup>	6,5kg
<b>214932/6/...</b> <sup>1)</sup>	DROP LED 36	36W	42W	750mA	5000K	5 750lm	4950lm	118lm/W	0,041m <sup>3</sup>	6,5kg
<b>214933/3/...</b> <sup>1)</sup>	DROP LED 48	48W	55W	1000mA	3500K	6 300lm	6000lm	109lm/W	0,041m <sup>3</sup>	6,5kg
<b>214933/4/...</b> <sup>1)</sup>	DROP LED 48	48W	55W	1000mA	4000K	6 950lm	6200lm	113lm/W	0,041m <sup>3</sup>	6,5kg
<b>214933/6/...</b> <sup>1)</sup>	DROP LED 48	48W	55W	1000mA	5000K	7 300lm	6500lm	118lm/W	0,041m <sup>3</sup>	6,5kg

1) Symbol of chosen optical system eg. **214933/6/S** is **DROP LED 48 5000K with symetric optical system**

2) tolerance +/- 3% due to LEDs accuracy

**Directive:** 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



# DROP LED

## Luminaire DROP 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,

## Acceptable quantity of luminaires DROP LED on one circuit, protected by:

### Overcurrent switches MCB type B or C

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
DROP LED	B	1	2	4	6	11	13	17
	C	1	4	6	11	18	22	28

### Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
DROP LED	1	4	7	12	20	25	32