



TECHNICAL DATA

Application	residential roads (internal), surrounding office buildings, parks, pedestrians
Assembly	on extension arms with ø 42 x 30 mm ending
Colour	inox / graphite
Ingress protection	IP 66
Optical system	PMMA optics
Material	anodised aluminium alloy
Unit volume	0,041 m³
Operating temperature range	from -40°C to +55°C
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Inrush current	18 A / 280 µs (DROP LED 24 - 36) 43 A / 260 µs (DROP LED 48)
Input voltage frequency	50/60Hz
Power factor	≥0.95
Number of LED	16
Control system	Luminaire has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).



TABLE OF VARIANTS

Code	Symbol	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux¹	Luminaire luminous flux¹	Luminous efficacy¹	Net weight
214930/1/...²	DROP LED 24	24 W	28 W	500 mA	2700 K	4050 lm	3850 lm	138 lm/W	4.9 kg
214930/3/...²	DROP LED 24	24 W	28 W	500 mA	3500 K	4300 lm	4050 lm	145 lm/W	4.9 kg
214930/4/...²	DROP LED 24	24 W	28 W	500 mA	4000 K	4550 lm	4300 lm	154 lm/W	4.9 kg
214930/6/...²	DROP LED 24	24 W	28 W	500 mA	5000 K	4550 lm	4300 lm	154 lm/W	4.9 kg
214932/1/...²	DROP LED 36	36 W	41 W	750 mA	2700 K	5750 lm	5450 lm	133 lm/W	4.9 kg
214932/3/...²	DROP LED 36	36 W	41 W	750 mA	3500 K	6100 lm	5800 lm	141 lm/W	4.9 kg
214932/4/...²	DROP LED 36	36 W	41 W	750 mA	4000 K	6450 lm	6100 lm	149 lm/W	4.9 kg
214932/6/...²	DROP LED 36	36 W	41 W	750 mA	5000 K	6450 lm	6100 lm	149 lm/W	4.9 kg
214933/1/...²	DROP LED 48	48 W	55 W	1000 mA	2700 K	7250 lm	6850 lm	125 lm/W	5.2 kg
214933/3/...²	DROP LED 48	48 W	55 W	1000 mA	3500 K	7650 lm	7300 lm	133 lm/W	5.2 kg
214933/4/...²	DROP LED 48	48 W	55 W	1000 mA	4000 K	8150 lm	7700 lm	140 lm/W	5.2 kg
214933/6/...²	DROP LED 48	48 W	55 W	1000 mA	5000 K	8150 lm	7700 lm	140 lm/W	5.2 kg

1) tolerance +/- 5% due to LEDs accuracy

2) symbol of chosen optical system eg. 214933/6/S is DROP LED 48 5000K with symetric 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

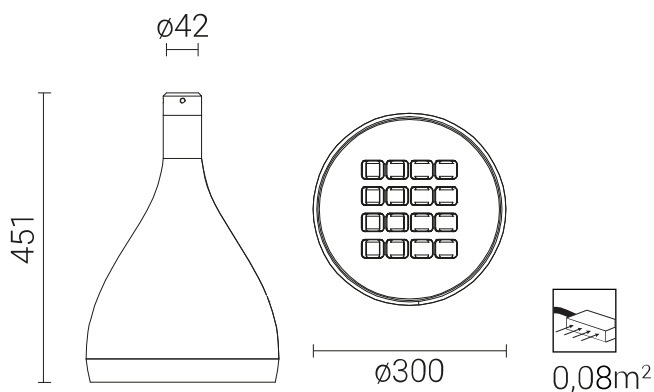
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

REMOVING ELECTROSTATIC CHARGE FROM LED LUMINAIRE BODY

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:

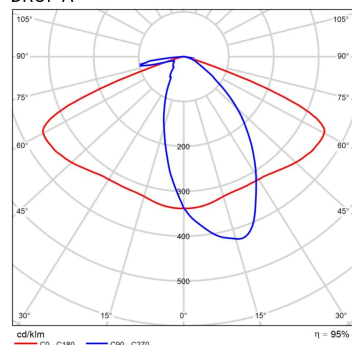
- functional grounding
- LED luminaire with an additional protection device

TECHNICAL DRAWING

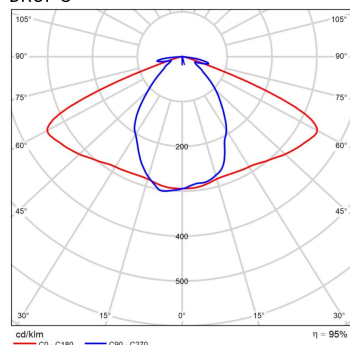


PHOTOMETRIC CURVES

DROP A



DROP S



POWER SYSTEM FUNCTIONS

Luminaire 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,
- 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
DROP LED 48	B	1	2	4	6	12	12	15
	C	1	4	6	10	17	20	26
DROP LED 24, 36	B	3	6	10	16	26	32	40
	C	3	10	16	27	44	54	67

Fuse – type gG and GL

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