



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	-
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).



Code	Symbol	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ¹	Luminaire luminous flux ¹	Luminous efficacy ¹	Net weight
214933/4/... ²	DROP LED 48	48 W	55 W	1000 mA	4000 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 symmetric 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

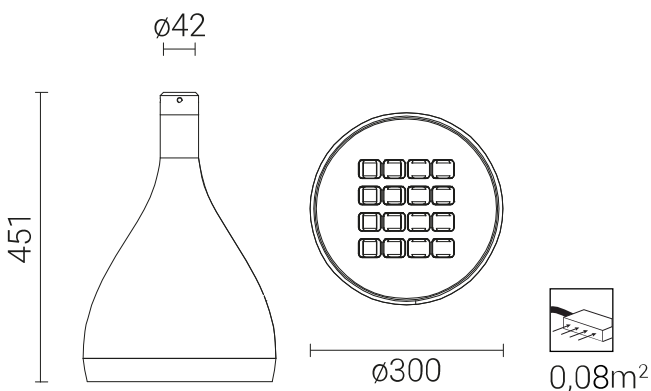
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

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:

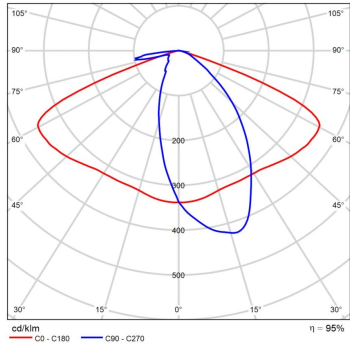
- functional grounding
- LED luminaire with an additional protection device

TECHNICAL DRAWING

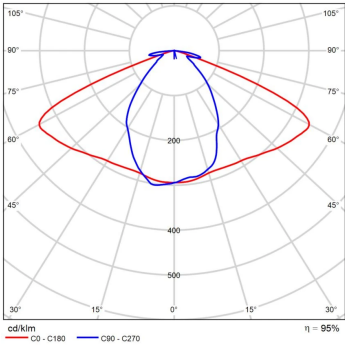


PHOTOMETRIC CURVES

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