



## TECHNICAL DATA

<b>Assembly</b>	pole top mounted or on extension arms with ø 60 x 50 mm ending
<b>Application</b>	parks, pedestrians, bicycle routes
<b>Ingress protection</b>	IP 66
<b>Material</b>	cap – formed aluminium sheet diffuser - frosted (PMMA) base – high-pressure die-casted aluminium alloy, painted
<b>Unit volume</b>	0,22 m³
<b>Operating temperature range</b>	from -40°C to +40°C
<b>Expected useful lifetime</b>	L90B10 - 100 000 h
<b>CRI</b>	>70
<b>Inrush current</b>	18 A / 280 µs
<b>Input voltage frequency</b>	50/60Hz
<b>Power factor</b>	≥0.95
<b>Number of LED</b>	16
<b>Control system</b>	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
214650/1	ATLANTIS LED	38 W	42 W	800 mA	2700 K	5850 lm	4850 lm	115 lm/W	4.1 kg
214650/3	ATLANTIS LED	38 W	42 W	800 mA	3500 K	6200 lm	5150 lm	123 lm/W	4.1 kg
214650/4	ATLANTIS LED	38 W	42 W	800 mA	4000 K	6700 lm	5550 lm	132 lm/W	4.1 kg
214650/6	ATLANTIS LED	38 W	42 W	800 mA	5000 K	6700 lm	5550 lm	132 lm/W	4.1 kg

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

## 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

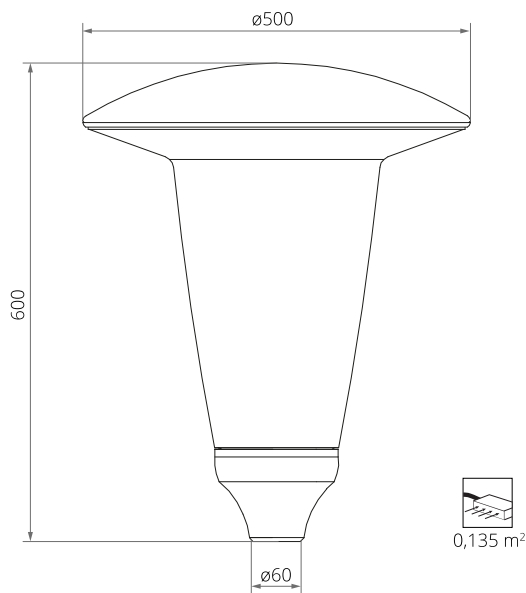
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

## REMOVING ELECTROSTATIC CHARGE FROM LED LUMINAIRE BODY

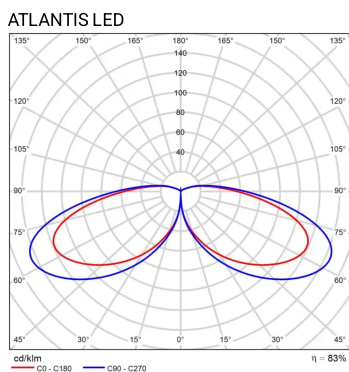
In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:

- functional grounding
- LED luminaire with an additional protection device

## TECHNICAL DRAWING



## PHOTOMETRIC CURVES



## 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,

## ACCEPTABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

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

Overcurrent switches MCB type B or C

Oprawa	Typ	2 A	4 A	6 A	10 A	16 A	20 A	25 A
ATLANTIS LED	B	4	7	12	18	30	37	46
	C	4	12	18	31	51	62	78

Fuse – type gG and GL

Oprawa	2 A	4 A	6 A	10 A	16 A	20 A	25 A
ATLANTIS LED	1	10	20	26	52	71	101