



## TECHNICAL DATA

<b>Application</b>	parks, pedestrians, bicycle routes
<b>Assembly</b>	pole top mounted or on extension arms with $\varnothing$ 60 x 50 mm ending
<b>Colour</b>	cap - anodized inox, base - painted RAL 9006
<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>Expected useful lifetime</b>	L90B10 - 100 000 h
<b>CRI</b>	>70
<b>Input voltage frequency</b>	50/60Hz
<b>Power factor</b>	$\geq$ 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 TYPES

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 <sup>1</sup>	Unit volume	Net weight
214650/1	ATLANTIS LED	38 W	42 W	800 mA	2700 K	4650 lm	3900 lm	93 lm/W	0.22 m <sup>3</sup>	4.1 kg
214650/3	ATLANTIS LED	38 W	42 W	800 mA	3500 K	4900 lm	4100 lm	98 lm/W	0.22 m <sup>3</sup>	4.1 kg
214650/4	ATLANTIS LED	38 W	42 W	800 mA	4000 K	6300 lm	5200 lm	124 lm/W	0.22 m <sup>3</sup>	4.1 kg
214650/6	ATLANTIS LED	38 W	42 W	800 mA	5000 K	6300 lm	5200 lm	124 lm/W	0.22 m <sup>3</sup>	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, 2009/125/EC

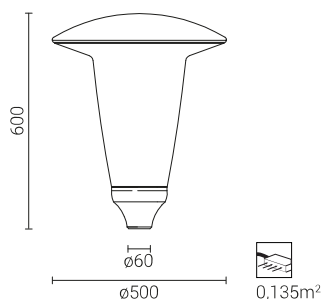
**STANDARDS:** PN-EN 60598-1: 2015, PN-EN 60598-2-3: 2006, PN-EN 60529: 2003, PN-EN 62262: 2003, PN-EN 62471:2010, PN-EN 55015: 2013, PN-EN 61547: 2009, PN-EN 61000-3-2: 2014, PN-EN 61000-3-3: 2013

## CHARGING DISCHARGE FROM THE LED LUMINAIRE HOUSING

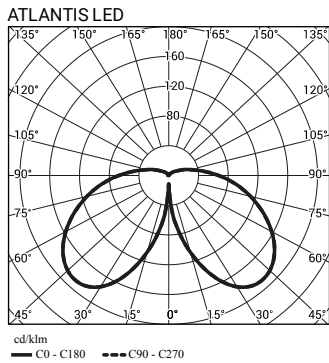
In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:

- 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,
- 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,

## ACCETABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

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

Overcurrent switches MCB type B or C

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

Fuse – type gG and GL

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