



## TECHNICAL DATA

Assembly	pole top mounted $\varnothing$ 60 x 80 mm
Application	surrounding office buildings, parks, parkings
Ingress protection	IP 66
Material	frosted diffuser (PMMA)
Unit volume	0,25 m <sup>3</sup>
Operating temperature range	from -40°C to +55°C
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Inrush current	55 A / 200 $\mu$ s
Input voltage frequency	50/60Hz
Power factor	$\geq$ 0.95
Number of LED	216
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 flux <sup>1</sup>	Luminaire luminous flux <sup>1</sup>	Luminous efficacy <sup>1</sup>	Net weight
214735/1	CORONA LED 72	72 W	80 W	1000 mA	2700 K	9650 lm	8250 lm	103 lm/W	11.2 kg
214735/3	CORONA LED 72	72 W	80 W	1000 mA	3500 K	9900 lm	8500 lm	106 lm/W	11.2 kg
214735/4	CORONA LED 72	72 W	80 W	1000 mA	4000 K	10200 lm	8750 lm	109 lm/W	11.2 kg
214735/6	CORONA LED 72	72 W	80 W	1000 mA	5000 K	10500 lm	9000 lm	112 lm/W	11.2 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

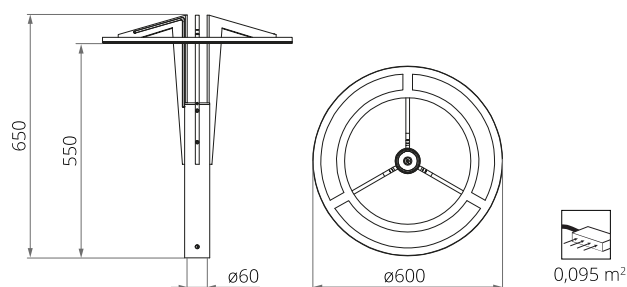
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

## 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:

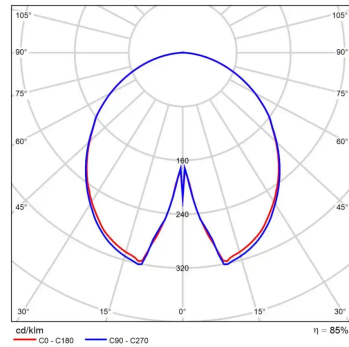
- functional grounding
- LED luminaire with an additional protection device

## TECHNICAL DRAWING



## PHOTOMETRIC CURVES

CORONA LED



## 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,
- 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

Overcurrent switches MCB type B or C

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

Fuse – type gG and GL

Luminaire	2 A	4 A	6 A	10 A	16 A	20 A	25 A
CORONA LED	0	4	8	11	21	29	42