

## TECHNICAL DATA

<b>Application</b>	residential roads (internal), surrounding office buildings, parks, pedestrians
<b>Assembly</b>	on extension arms with $\varnothing$ 60 x 100 mm ending
<b>Colour</b>	inox / black
<b>Ingress protection</b>	IP 66 for the optical part and IP 54 for the driver
<b>Material</b>	anodised aluminium alloy
<b>Operating temperature range</b>	from -40°C to +55°C
<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>	12 - (36 W); 16 - (48 W)
<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
214332/1	GEMINI LED 36	36 W	42 W	1000 mA	2700 K	5550 lm	5250 lm	131 lm/W	0.035 m <sup>3</sup>	8 kg
214332/3	GEMINI LED 36	36 W	42 W	1000 mA	3500 K	5900 lm	5600 lm	140 lm/W	0.035 m <sup>3</sup>	8 kg
214332/4	GEMINI LED 36	36 W	42 W	1000 mA	4000 K	6250 lm	5950 lm	149 lm/W	0.035 m <sup>3</sup>	8 kg
214332/6	GEMINI LED 36	36 W	42 W	1000 mA	5000 K	6250 lm	5950 lm	149 lm/W	0.035 m <sup>3</sup>	8 kg
214333/1	GEMINI LED 48	48 W	55 W	1000 mA	2700 K	7250 lm	6900 lm	125 lm/W	0.035 m <sup>3</sup>	8 kg
214333/3	GEMINI LED 48	48 W	55 W	1000 mA	3500 K	7700 lm	7300 lm	133 lm/W	0.035 m <sup>3</sup>	8 kg
214333/4	GEMINI LED 48	48 W	55 W	1000 mA	4000 K	8150 lm	7750 lm	141 lm/W	0.035 m <sup>3</sup>	8 kg
214333/6	GEMINI LED 48	48 W	55 W	1000 mA	5000 K	8150 lm	7750 lm	141 lm/W	0.035 m <sup>3</sup>	8 kg

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

## DIRECTIVES AND STANDARDS

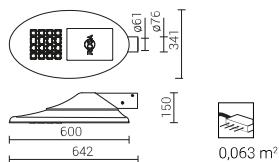
**DIRECTIVES:** 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC  
**STANDARDS:** PN-EN IEC 60598-1: 2021-7, PN-EN 60598-2-3: 2006, PN-EN 60529: 2003, PN-EN 62262: 2003, PN-EN 62471:2010, PN-EN 55015: 2013, PN-EN 61547: 2009, PN-EN 61000-3-2: 2014, PN-EN 61000-3-3: 2013

## CHARGING DISCHARGE FROM THE LED LUMINAIRE HOUSING

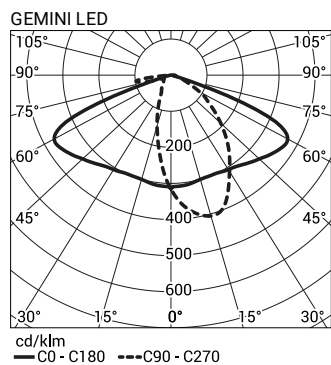
In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:

- 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,

## ACCEPTABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

Overcurrent switches MCB type B or C

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
GEMINI LED	B	1	2	4	6	10	12	15
	C	1	4	6	10	17	20	26

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
GEMINI LED	0	4	8	11	22	31	44