

TECHNICAL DATA

Application	residential roads (internal), surrounding office buildings, parks, pedestrians
Assembly	on extension arms with \varnothing 60 x 100 mm ending
Colour	inox / black
Ingress protection	IP 66 for the optical part and IP 54 for the driver
Material	anodised aluminium alloy
Operating temperature range	from -40°C to +55°C
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Input voltage frequency	50/60Hz
Power factor	\geq 0.95
Control system	Luminaire has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).

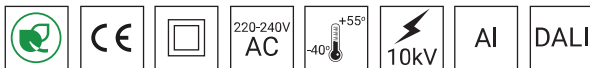


TABLE OF TYPES

Code	Symbol	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ¹	Luminaire luminous flux ¹	Luminous efficacy ¹	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 m³	8 kg
214332/3	GEMINI LED 36	36 W	42 W	1000 mA	3500 K	5900 lm	5600 lm	140 lm/W	0.035 m³	8 kg
214332/4	GEMINI LED 36	36 W	42 W	1000 mA	4000 K	6250 lm	5950 lm	149 lm/W	0.035 m³	8 kg
214332/6	GEMINI LED 36	36 W	42 W	1000 mA	5000 K	6250 lm	5950 lm	149 lm/W	0.035 m³	8 kg
214333/1	GEMINI LED 48	48 W	55 W	1000 mA	2700 K	7250 lm	6900 lm	125 lm/W	0.035 m³	8 kg
214333/3	GEMINI LED 48	48 W	55 W	1000 mA	3500 K	7700 lm	7300 lm	133 lm/W	0.035 m³	8 kg
214333/4	GEMINI LED 48	48 W	55 W	1000 mA	4000 K	8150 lm	7750 lm	141 lm/W	0.035 m³	8 kg
214333/6	GEMINI LED 48	48 W	55 W	1000 mA	5000 K	8150 lm	7750 lm	141 lm/W	0.035 m³	8 kg

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

2) symbol wybranego układu optycznego np. 21433/T2 to oprawa GEMINI LED z układem optycznym T2

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

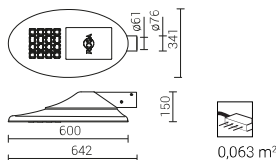
CHARGING DISCHARGE FROM THE LED LUMINAIRE HOUSING

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:

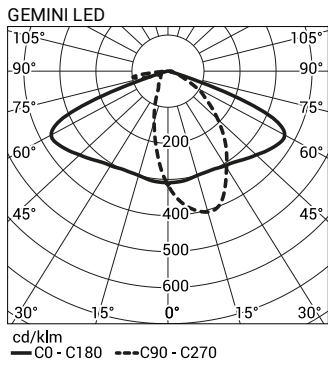
- functional grounding

- 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,

ACCECTABLE 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