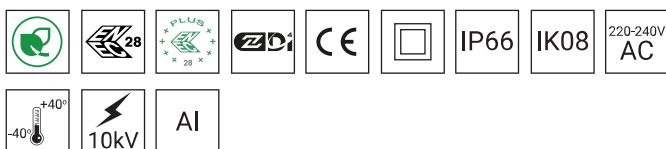


CUDDLE MINI LED REG D4i D 48



TECHNICAL DATA

Application	urban roads, residential roads (internal), pedestrians, parkings
Assembly	directly on column with $\varnothing$ 60 x 180 mm ending or on extension arm with $\varnothing$ 60 x 100 mm ending
Colour	inox / black
Ingress protection	IP 66 for the optical part and the driver
Optical system	PMMA optics, interchangeable LED module, tempered glass diffuser
Material	anodised aluminium alloy
Unit volume	0.013 m ³
Operating temperature range	from -40°C to +40°C
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Inrush current	24.6 A / 195.5 μ s (CUDDLE MINI LED REG D4i 24 - 36 W), 98 A / 120 μ s (CUDDLE MINI LED REG D4i 48 - 60 W)
Input voltage frequency	50/60Hz
Power factor	≥ 0.95
Number of LED	16
Control system	Luminaire can be connected to an external control system and / or sensors via socket compatible with Zhaga Book 18

Code	Symbol	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ¹	Luminaire luminous flux ¹	Luminous efficacy ¹	D4i socket	Net weight
2228633/6/... ²	CUDDLE MINI LED REG D4i D 48	48 W	54 W	500 mA	5000 K	9050 lm	6600 lm	122 lm/W	1 ↓	5 kg

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

2) symbol of chosen optical system eg. 2228233/6/T2 is CUDDLE MINI LED REG D4i 48 5000K with T2 optical system

*For the CUDDLE MINI LED REG D4i luminaire with P2 and PL optics it is possible to choose an additional light colour temperature: 5700K. The product code is then supplemented with the designation '/7'. Example: 2228233/7/P2 -CUDDLE MINI LED REG D4i 48W 5700K luminaire with P2 optics

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

CHARGING DISCHARGE FROM THE LED LUMINAIRE HOUSING

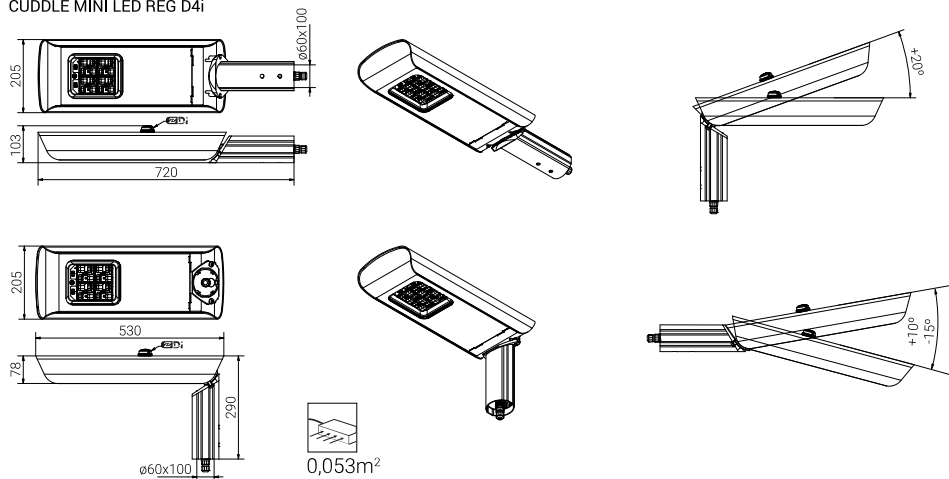
In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:

- functional grounding
- LED luminaire with an additional protection device

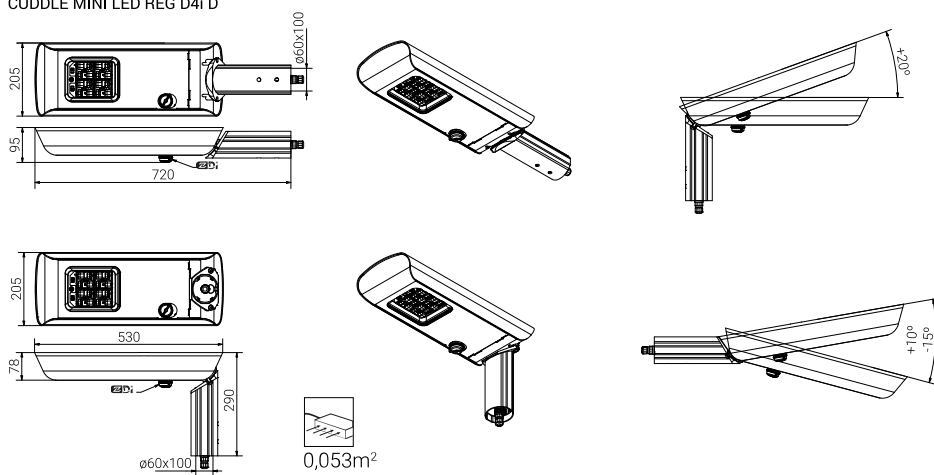
CUDDLE MINI LED REG D4i D 48

TECHNICAL DRAWING

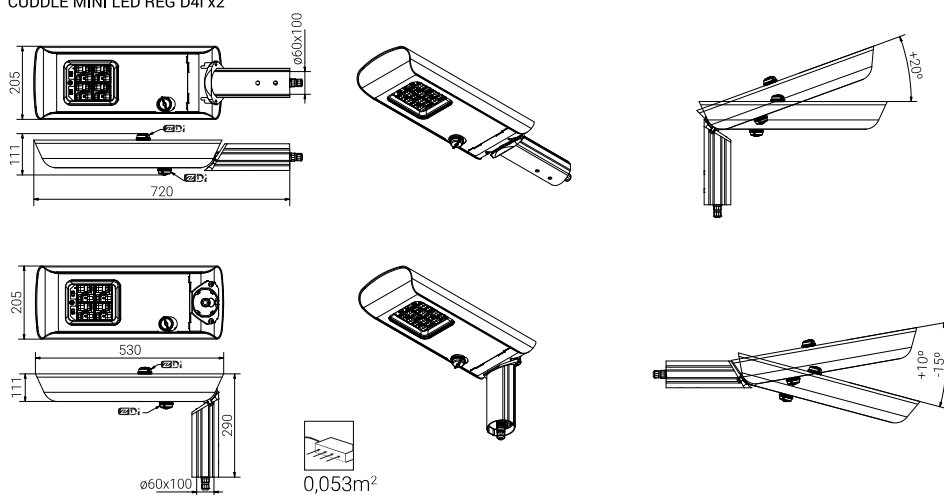
CUDDLE MINI LED REG D4i



CUDDLE MINI LED REG D4i D



CUDDLE MINI LED REG D4i x2



PHOTOMETRIC CURVES

ROSA

