CUT-8 LED 72

TECHNICAL DATA

Application	urban roads, residential roads (internal), surrounding office buildings, parks, pedestrians
Colour	inox / grey
Ingress protection	IP 66 for the optical part and the driver
Optical system	PMMA optics, interchangeable LED module
Material	anodised aluminium alloy
Unit volume	0.5 m³ (CUT-3 LED) 0.7 m³ (CUT-4 LED) 1 m³ (CUT-5 LED) 1.2 m³ (CUT-6 LED) 1.4 m³ (CUT-7 LED) 1.6 m³ (CUT-8 LED)
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Inrush current	18 A / 280 µs (CUT LED 24-36) 46 A / 250 µs (CUT LED 48-72)
Input voltage frequency	50/60Hz
Power factor	≥0.95
Number of LED	24
Control system	LED lighting set has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V).

Carbon footprint (kg of CO_2 eq.) 177.04 kg

Code	Symbol	Height of the column [H]	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux[1]	Luminaire luminous flux[1]	Luminous efficacy[1]	Concrete footing / reinforcement basket type	Net weight
216435/4/...[2]	CUT-8 LED 72	8 m	72 W	79 W	1000 mA	4000 K	12300 lm	10800 lm	137 lm/W	B-71, B-70 / Z-71, Z-70	76 kg

1) tolerance +/- 5% due to LEDs accuracy
2) symbol of chosen optical system eg. 216230/6/T2 is CUT-3 LED 24 5000K with T2 optical system

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

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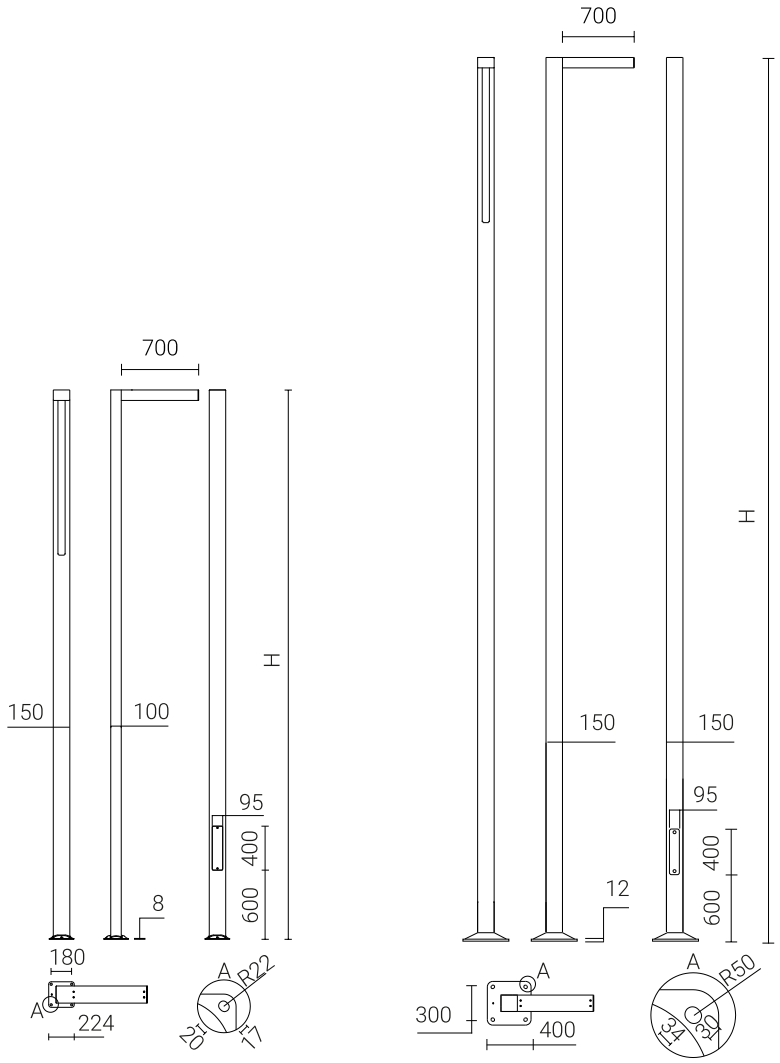
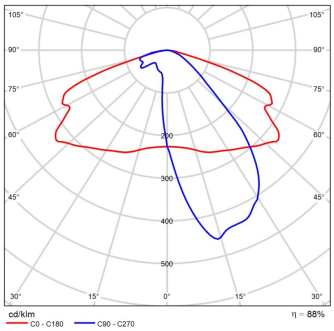
CUT-8 LED 72

TECHNICAL DRAWING

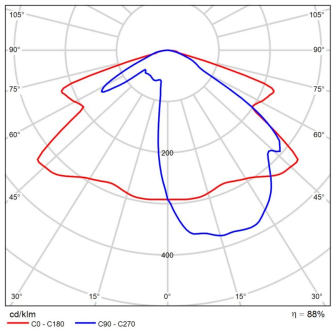


PHOTOMETRIC CURVES

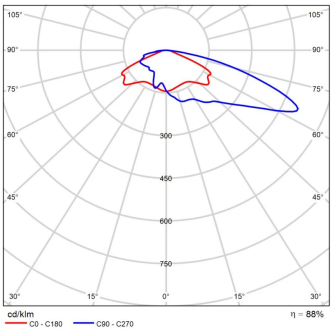
T2



T3



T4



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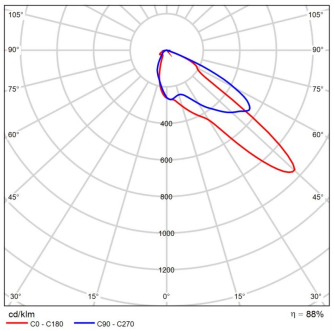
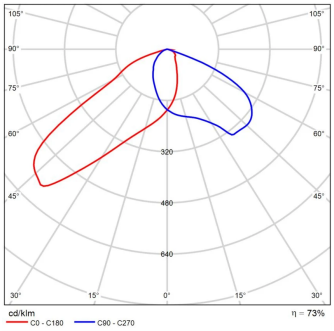


PL



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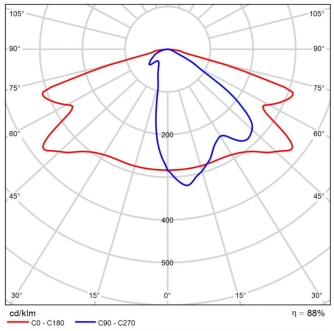
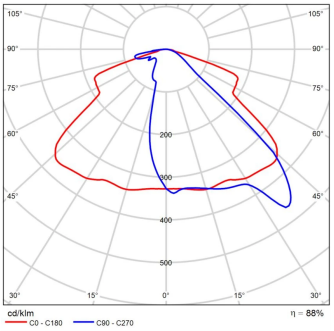
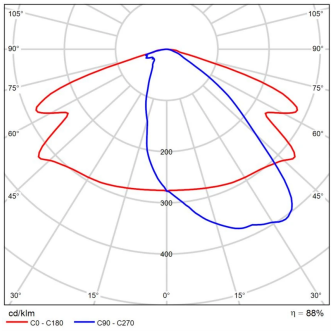


ME



DW



Updated at: 04-11-2025

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CUT-8 LED 72

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,
– LED module equipped with thermal protection implemented via an NTC thermistor,
– 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

Overcurrent switches MCB type B or C

Lighting sets	Typ	2A	4A	6A	10A	16A	20A	25A
CUT LED 24, 36W	B	3	6	10	16	26	32	40
	C	3	10	16	27	44	54	67
CUT LED 48, 72W	B	1	2	4	6	11	13	17
	C	1	4	6	11	18	22	28

Fuse – type gG and GL

Lighting sets	2A	4A	6A	10A	16A	20A	25A
CUT LED 24, 36W	1	10	19	25	50	68	97
CUT LED 48, 72W	0	4	8	11	21	29	42

ACCEPTABLE HEIGHT

CUT LED-3/4/5	Acceptable height of the LED lighting set			
Field category	I zone Vref. = 22 m/s	I & III zone, up to 450m a.s.l. Vref. = 24 m/s	II zone Vref. = 26 m/s	III zone up to 755m a.s.l. Vref. = 28 m/s
I	6	5,5	5	4,5
II	6	5,5	5,5	5
III	6	6	5,5	5,5
IV	6	6	6	6

CUT LED-6/7/8	Acceptable height of the LED lighting set			
Field category	I zone Vref. = 22 m/s	I & III zone, up to 450m a.s.l. Vref. = 24 m/s	II zone Vref. = 26 m/s	III zone up to 755m a.s.l. Vref. = 28 m/s
I	7,5	7	6,5	6
II	8	7,5	7	6,5
III	8	8	7,5	7
IV	8	8	8	7,5

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