

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
	-
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
	36 A / 280 μs (CUT-II-4 LED 24 - 36) 92 A / 250 μs (CUT-II-4 LED 48 - 72)
Input voltage frequency	50/60Hz
Power factor	≥0.95
Number of LED	-
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	-

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
2106032/6/... ²	CUT-II-5 LED 36	5 m	36 W x 2	40 W x 2	1000 mA	5000 K	6150 lm x 2	5400 lm x 2	135 lm/W	B-50 / Z-50	50.5 kg

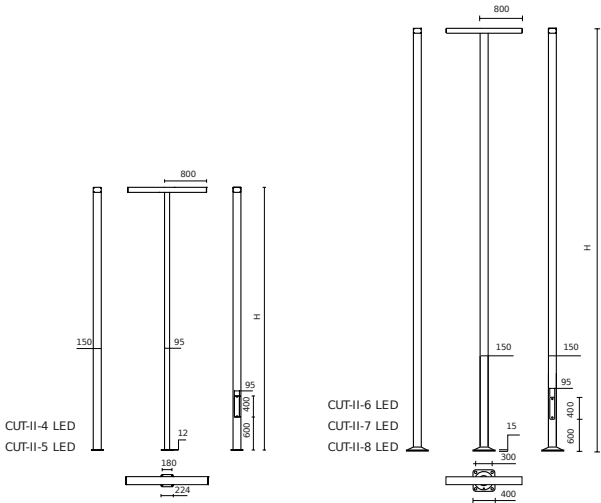
- 1) tolerance +/- 5% due to LEDs accuracy
2) symbol of chosen optical system eg. 2106330/6/T2 is CUT-II-4 LED 24 5000K with T2 optical system

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

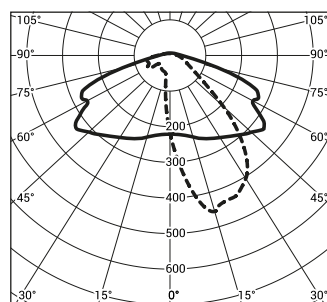
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

TECHNICAL DRAWING



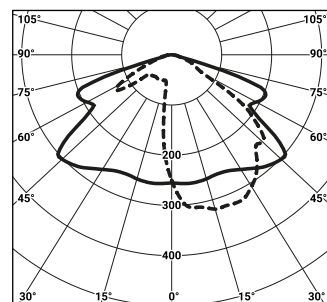
PHOTOMETRIC CURVES

T2



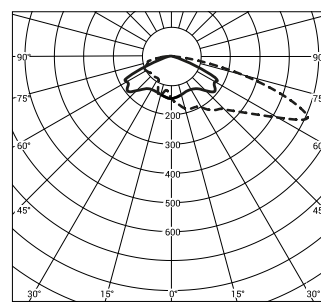
cd/klm
— C0 - C180 --- C90 - C270

T3



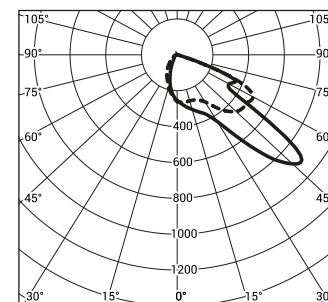
cd/klm
— C0 - C180 --- C90 - C270

T4



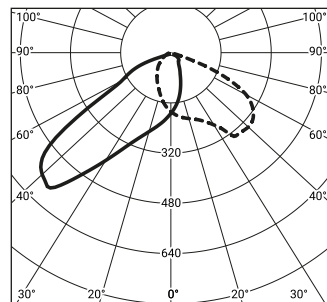
cd/klm
— C0 - C180 --- C90 - C270

PP



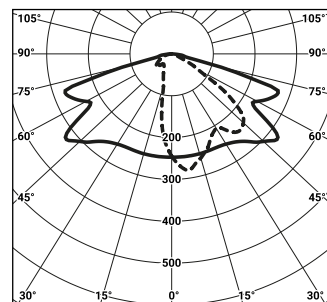
cd/klm
— C0 - C180 --- C90 - C270

PL



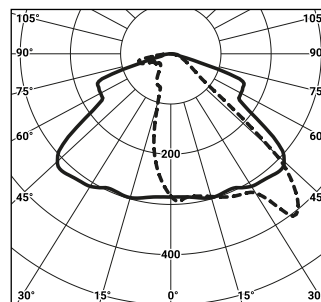
cd/klm
— C0 - C180 --- C90 - C270

SP



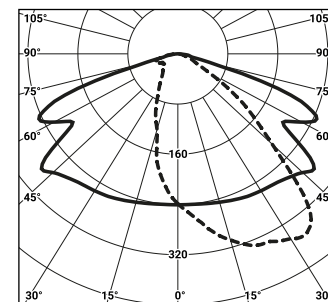
cd/klm
— C0 - C180 --- C90 - C270

ME



cd/klm
— C0 - C180 --- C90 - C270

DW



cd/klm
— C0 - C180

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	Type	2A	4A	6A	10A	16A	20A	25A
CUT II LED 2x24, 2x36W	B	1	3	5	8	13	16	20
	C	1	5	8	13	22	27	33
CUT II LED 2x48, 2x72W	B	0	1	2	3	5	6	7
	C	0	2	3	5	8	10	13

Fuse – type gG and GL

Lighting sets	2A	4A	6A	10A	16A	20A	25A
CUT II LED 2x24, 2x36W	0	5	9	12	25	34	48
CUT II LED 2x48, 2x72W	0	2	4	5	10	14	21

ACCEPTABLE HEIGHT

CUT II LED-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 II 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