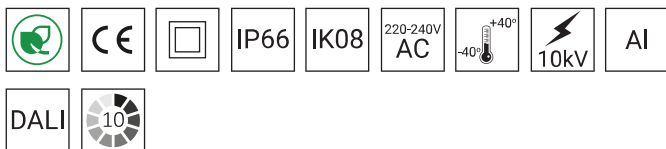




## TECHNICAL DATA

<b>Application</b>	surrounding office buildings, parks, pedestrians, parkings
<b>Assembly</b>	depending on the type of head: A - pole top mounted or on extension arms with $\phi$ 60 x 50 mm, B - pole top mounted with $\phi$ 60 x 180 mm
<b>Ingress protection</b>	IP 66
<b>Optical system</b>	PMMA optics, interchangeable LED module
<b>Material</b>	cap - formed aluminium sheet diffuser - tempered glass luminaire body - aluminum alloy, anodized
<b>Operating temperature range</b>	from -40°C to +40°C
<b>Expected useful lifetime</b>	L90B10 - 100 000 h
<b>CRI</b>	>80
<b>Inrush current</b>	18A / 280 $\mu$ s
<b>Input voltage frequency</b>	50/60Hz
<b>Power factor</b>	$\geq$ 0.95
<b>Number of LED</b>	16
<b>Control system</b>	Luminaire has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).



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 with mounting head type 'A' / 'B'
212130/.../1/...2/C...	RING 2 LED 24	24 W	28 W	500 mA	2700 K	3350 lm	2550 lm	91 lm/W	0.08 m <sup>3</sup>	6,6 kg / 7,1 kg

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

2) exemplary product code 212130/A/6/T4/C35 is RING 2 LED 24W 5000K luminaire, where /A/ is the mounting head type 'A', /T4/ is the T4 optical system, /C35 is the anodizing color of the C35 luminaire black

3) the weight of the luminaire with the head type 'A' is 6.6 kg / with the head type 'B' is 7.1 kg

## DIRECTIVES AND STANDARDS

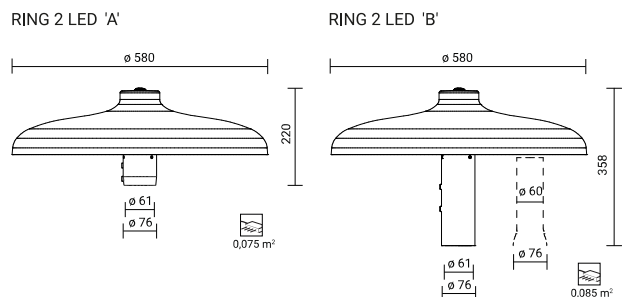
**DIRECTIVES:** 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC  
**STANDARDS:** -

## 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:

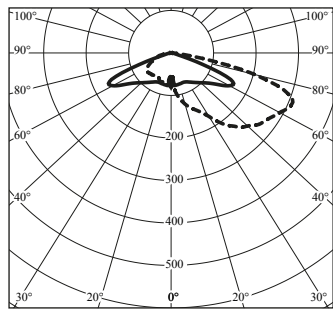
- functional grounding
- LED luminaire with an additional protection device

## TECHNICAL DRAWING



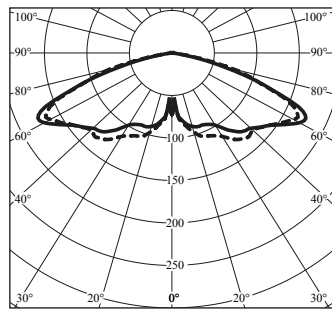
## PHOTOMETRIC CURVES

T4



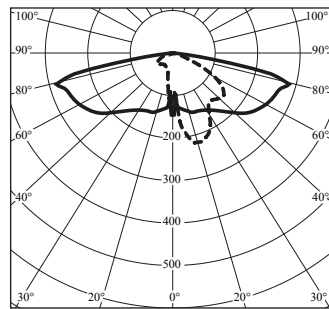
cd/klm  
— C0 - C180    - - - C90 - C270

VS



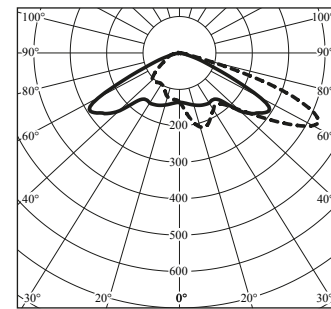
cd/klm  
— C0 - C180    - - - C90 - C270

SP



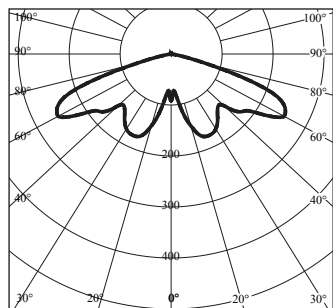
cd/klm  
— C0 - C180    - - - C90 - C270

T4 - RING LED 72W



cd/klm  
— C0 - C180    - - - C90 - C270

VS - RING LED 72W



cd/klm  
— C0 - C180    - - - C90 - C270

## 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

Acceptable quantity of luminaires RING 2 LED on one circuit, protected by:

Overcurrent switches MCB type B or C

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
RING 2 LED	B	4	7	12	18	30	37	46
	C	4	12	18	31	51	62	78

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
RING 2 LED	1	10	20	26	52	71	101