

## TECHNICAL DATA

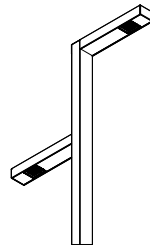
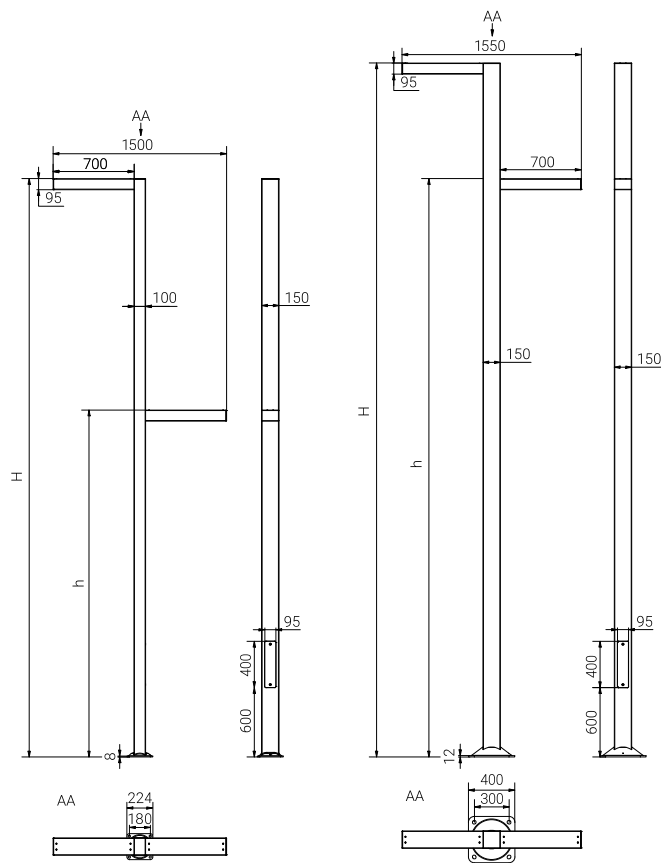
<b>Anodising</b>	10 colours
<b>Application</b>	urban roads, residential roads (internal), surrounding office buildings, parks, pedestrians, parkings
<b>Ingress protection</b>	IP 66 for the optical part and the driver
<b>Optical system</b>	PMMA optics, interchangeable LED module
<b>Material</b>	anodised aluminium alloy, diffuser – tempered glass
<b>Expected useful lifetime</b>	L90B10 - 100 000 h
<b>CRI</b>	>70
<b>Input voltage frequency</b>	50/60Hz
<b>Power factor</b>	≥0.95
<b>Number of LED</b>	16
<b>Control system</b>	LED lighting set has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V).



## TABLE OF VARIANTS - HEIGHTS

Symbol	Height [H]	Dimension of the base plate (A)/[B]/[C]	Concrete footing / reinforcement basket type	Concrete footing / reinforcement basket code	Fasteners	Net weight	Approximate unit volume
LINE II LED	4 m	224 / 180 / 8	B-50 / Z-50	311150 / 311205	4006	34 kg	0.7 m <sup>3</sup>
LINE II LED	5 m	224 / 180 / 8	B-50 / Z-50	311150 / 311205	4006	36 kg	1 m <sup>3</sup>
LINE II LED	6 m	400 / 300 / 12	B-70, B-71 / Z-70, Z-71	311170, 311171 / 311207, 311271	4012	57.7 kg	1.2 m <sup>3</sup>
LINE II LED	7 m	400 / 300 / 12	B-70, B-71 / Z-70, Z-71	311170, 311171 / 311207, 311271	4012	64.2 kg	1.4 m <sup>3</sup>
LINE II LED	8 m	400 / 300 / 12	B-70, B-71 / Z-70, Z-71	311170, 311171 / 311207, 311271	4012	70.8 kg	1.6 m <sup>3</sup>

## HOW TO GENERATE VARIANT CODES



Kod zamówienia

**2140440/30/1/DW/30/1/T3/C45/10kV**

Wysokość ramienia #2 - h

40 - 4 m  
50 - 5 m  
60 - 6 m  
70 - 7 m  
80 - 8 m

Wariant mocy ramienia #2

np. 30/1/T3 to  
LINE I LED 24, 2700K,  
optyka T3

Wysokość ramienia #1 - H

40 - 4 m  
50 - 5 m  
60 - 6 m  
70 - 7 m  
80 - 8 m

Wariant mocy ramienia #1

np. 30/1/DW to  
LINE I LED 24, 2700K,  
optyka DW

TABLE OF VARIANTS - LIGHTING

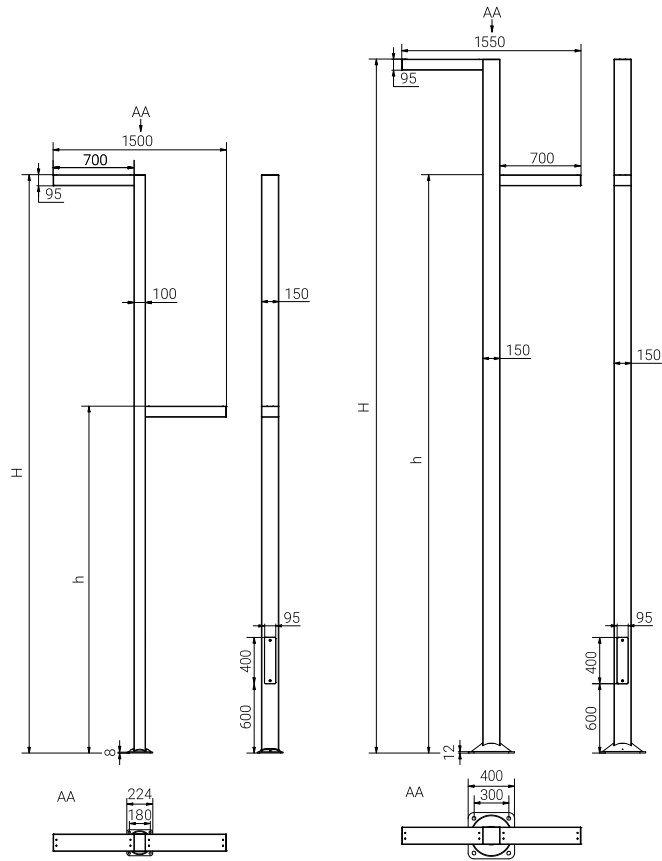
Code	Symbol	LED power	Luminaire Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux <sup>1</sup>	Luminaire luminous flux <sup>1</sup>	Luminous efficacy
30/1/...	LINE LED 24W	24 W	26 W	500 mA	2700 K	4450 lm	3250 lm	125 lm/W
30/3/...	LINE LED 24W	24 W	26 W	500 mA	3500 K	4650 lm	3400 lm	131 lm/W
30/4/...	LINE LED 24W	24 W	26 W	500 mA	4000 K	4800 lm	3500 lm	135 lm/W
30/6/...	LINE LED 24W	24 W	26 W	500 mA	5000 K	4750 lm	3450 lm	133 lm/W
32/1/...	LINE LED 36W	36 W	39 W	750 mA	2700 K	6550 lm	4800 lm	123 lm/W
32/3/...	LINE LED 36W	36 W	39 W	750 mA	3500 K	6850 lm	5000 lm	96 lm/W
32/4/...	LINE LED 36W	36 W	39 W	750 mA	4000 K	7050 lm	5150 lm	124 lm/W
32/6/...	LINE LED 36W	36 W	39 W	750 mA	5000 K	6950 lm	5050 lm	124 lm/W
33/1/...	LINE LED 48W	48 W	54 W	1000 mA	2700 K	8550 lm	6250 lm	92 lm/W
33/3/...	LINE LED 48W	48 W	54 W	1000 mA	3500 K	8950 lm	6500 lm	96 lm/W
33/4/...	LINE LED 48W	48 W	54 W	1000 mA	4000 K	9200 lm	6700 lm	124 lm/W
33/6/...	LINE LED 48W	48 W	54 W	1000 mA	5000 K	9050 lm	6600 lm	124 lm/W

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

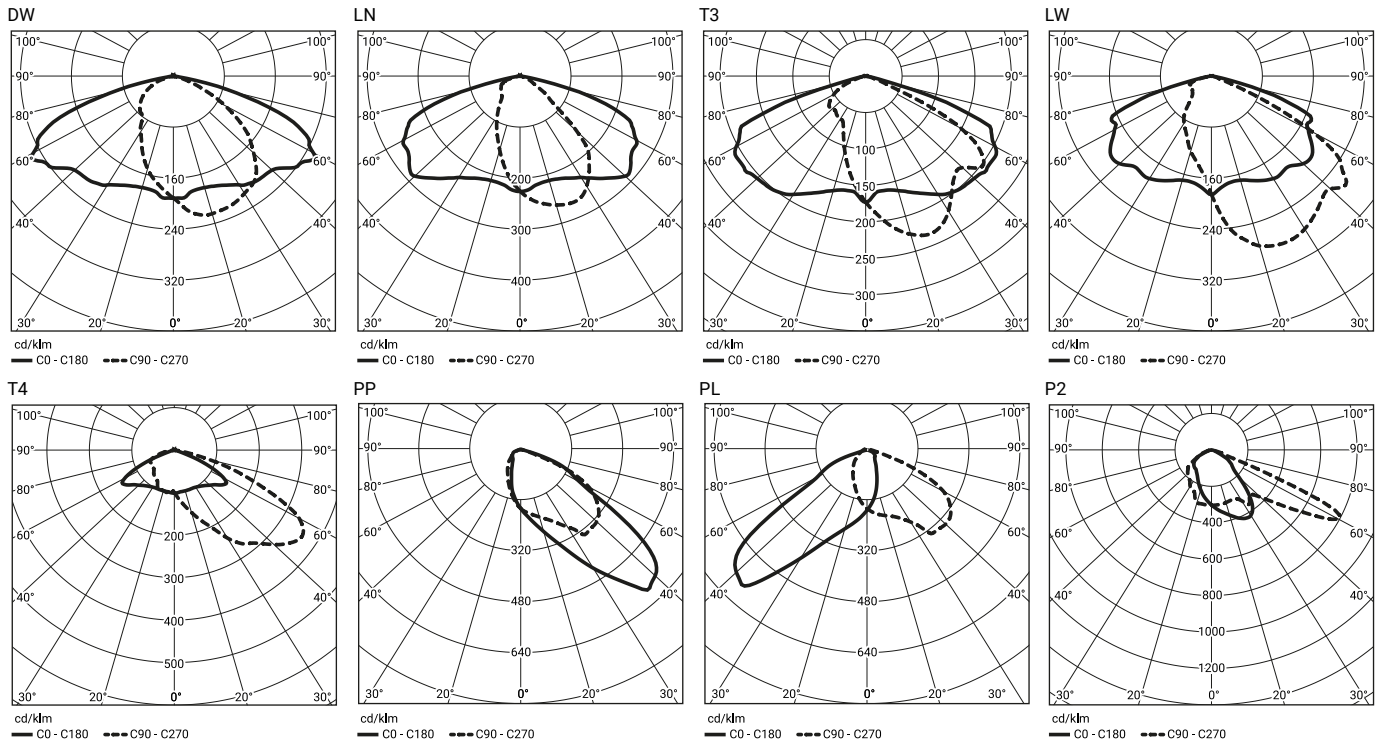
2) symbol of chosen optical system eg. 30/6/T2 is a bracket LINE I LED 24 with T2 optical system, 5000K

**Directive:** 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 **Finish:** option of elastomer protection in the colour of LED lighting sets up to the height of 350 mm (as standard for CI63, CI65, CI75, CI78 interference colors)

## 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,

### ACCEPTABLE HEIGHT

LINE 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

LINE 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