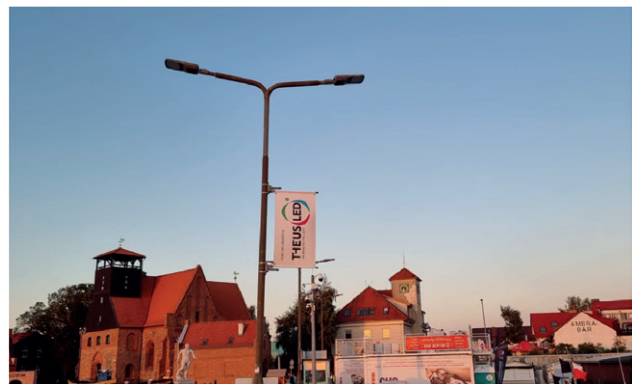


LED street luminaires

KALIOPE



Highest efficiency – over 170 lm/W

Corrosion-resistant LEDs

Wide selection of optics

Various control systems available

Tool-free power supply compartment access

Safe pin connector

Manufactured in Poland



USAGE:

Highly efficient street luminaires.
Energy-saving lighting solutions for streets, roads motorways
and squares, with extra floodlight functionality

Maximum savings

- Highest efficiency > 170 lm/W
- High luminous flux
- Luminosity control options available for lighting management systems

Durability and safety

- Manufactured in Poland
- Long life operation
- Resistance to weather conditions
- Breather valve for pressure equalization
- Overvoltage protection
- 5-year warranty (opt. 7 years)

Simple installation and easy maintenance

- Vertical and horizontal mounting
- Adjustable mounting angle
- Tool-free power supply compartment access
- Safe pin power connector
- Low operating costs



KL1 luminaire



KL2 luminaire



Technical parameters, dimensions and weight

Luminaire name	Kaloiope KL1 M	Kaloiope KL1 S	Kaloiope KL1 D	Kaloiope KL2 E
Housing material	Pressure-injected aluminum body, tempered glass diffuser			
Power supply output (maximum)	40 W	65 W	120 W	180 W
Correlated colour temperature	3000 K, 4000 K, 5000, 6500 K			
Luminous flux (max power, 4000 K, Ra 70)	6 680 lm	11 180 lm	20 640 lm	30 600 lm
Electrical insulation class	I, II			
Supply voltage	190-265 V AC			
Network frequency	50/60 Hz			
Power factor	PF > 0.95			
Power supply control (options)	DALI, PWM, 1 – 10 V, AstroDIM			
Colour rendering index	Ra > 70, Ra > 80			
Operating temperature	-40°C to +50°C			
LED lifetime (T _a = 25°C) L70B50	260.000 h	260.000 h	260.000 h	160.000 h
IP rating	IP66			
IK rating	IK09			
Mounting pole diameter	Ø60 mm			
Adjustment range of the luminaire angle	± 15°			
Luminaire mounting height	4 – 6 m	6 – 10 m	8 – 12 m	10 – 14 m
Weight	3,7 kg	5,0 kg	7,2 kg	10,7 kg
L (mm)	577	627	768	915
W (mm)	233	271	301	415
H (mm)	103	103	104	185

LED street luminaires

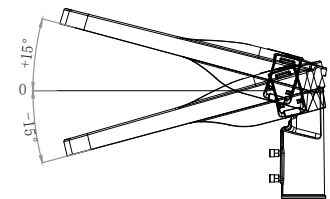
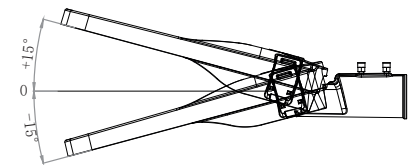
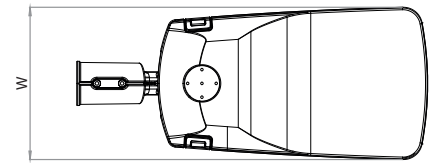
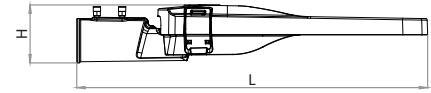
KALIOPE

Standard equipment

- Power supply with overvoltage protection (L-N) / 10 kV (L/N-PE)
- Pin connector

Additional options

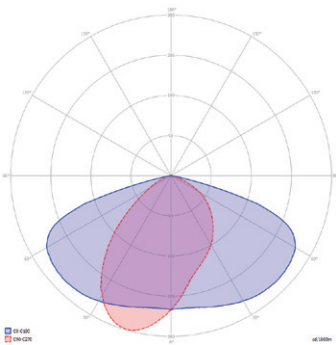
- 10 kV overvoltage protection
- NTC thermal protection (temperature sensor on the LED module)
- Zhaga 18 connector for wireless communication
- Air pressure compensation valve



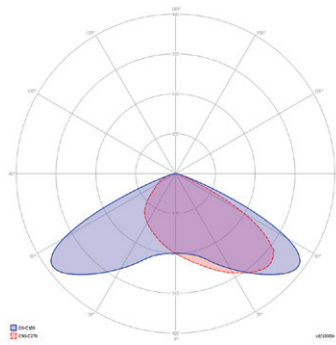
Light distribution curve configuration

Example light distribution curves for lenses:

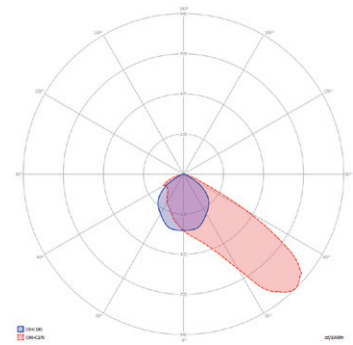
Type A – asymmetric



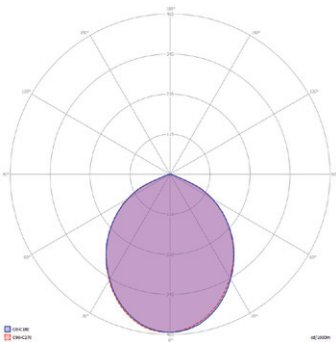
Type B – asymmetric



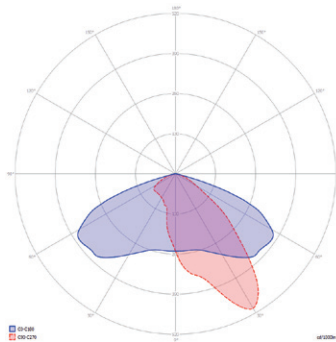
Type E – floodlights

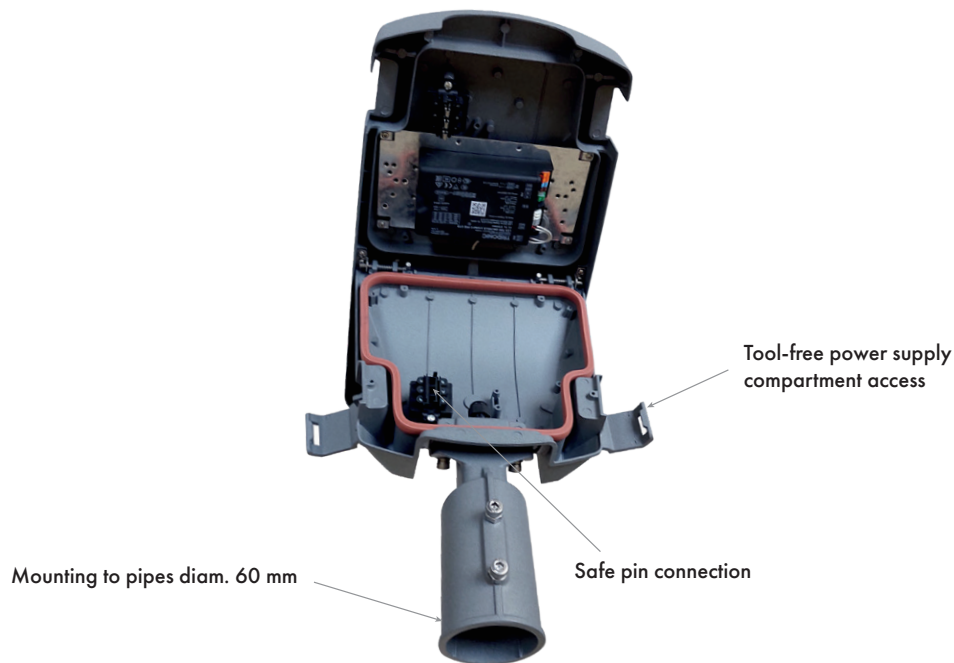


Type F – symmetric



Type H – asymmetric (KL2)





KALIOPE luminaire series coding

KL_a - PSPberfTC - 0000

KL_a product code – KL1 – Kaliope luminaire KL1
KL2 – Kaliope luminaire KL2

PSP Power supply output [W]:
40 W
65 W
90 W
120 W
150 W
180 W

b Power supply control
N – no control
„-“ – 1-10 V
D – DALI
C – AstroDIM
K – wireless communication (Zhaga 18 connector)

E IEC Protection class
1 – class I
2 – class II

R Luminaire size
M – small L = 577 mm
S – medium L = 627 mm
D – large L = 768 mm
E – very large L = 915 mm

f Overvoltage protection
„-“ – 6 kV (L-N) / 10 kV (L/N-PE)
H – 10 kV (L-N) / 10 kV (L/N-PE)

T Correlated colour temperature [K]
3 – 3000 K
4 – 4000 K
5 – 5000 K
6 – 6500 K

C Colour rendering index [CRI]
7 – Ra > 70
8 – Ra > 80

0000 Optics type:
A000 – type A
B000 – type B
E000 – type E
F000 – type F
H000 – type H (KL2)

Coding example KL1-040N1M-47-B000

KL1 Kaliope version 1
040 power supply: 40 W
N No control
1 IEC class 1
M luminaire size – small, L = 577 mm
4 color temperature 4000 K
7 CRI > 70
B000 type B optics

Technical specification is subject to change
231129V06

LED street luminaires

KALIOPE

 <small>MADE IN POLAND</small> 	KALIOPE KL1 230 VAC 	 40/65/120	 M/S/D/E	 / 	 4000 K	
		 260.000 h	 3.7 - 7.2 kg	 IP66	 70	
		 .. 172 lm/W	 NS/1-10 V/ DALI	 IK09	 -40° .. +50°C	T.GLASS
 <small>MADE IN POLAND</small> 	KALIOPE KL2 230 VAC 	 150/180 W	 E		 4000 K	
		 160.000 h	 10.7 kg	 IP66	 70	
		 .. 170 lm/W	 NS/DALI	 IK09	 -40° .. +45°C	T. GLASS

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