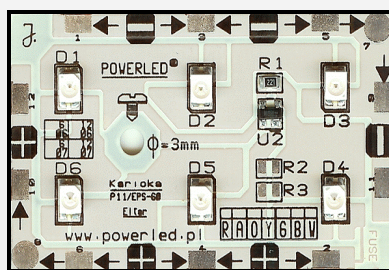


POWERLED® L6 is a module 50 x 30 x 4 mm in dimensions, containing six highly efficient diodes LED. Easy and diverse way of fixing makes it useful for large light advertisements. It can also be used for artistic and decorative lighting (also traffic lights, evacuation or emergency lighting etc.).



**POWERLED®
L6
MODULE**

TECHNICAL PARAMETERS		OPTICAL PARAMETERS ¹		
		¹ based on diode LED producer catalogue data		
Physical dimensions length/width/height	50 mm x 30 mm x 4 mm (screw hole: 3,5mm)	Available colours	Symbol	Flux of light and angle of light
		white cold (ok. 5400K)	L6-WH-24-PS	typ. 30 lm
Module weight	ca. 5,5 g	white warm (ok. 3200K)	L6-WW-24-PŻ	typ. 30 lm
		blue	L6-BL-24-IS	typ. 12 lm
LED diodes quantity	6 pcs.	green	L6-GR-24-MS	typ. 30 lm
		yellow	L6-YL-15-OS	typ. 18 lm
Way of fixing	silicon glue, sticky tape, mounting screw (hole diameter: 3,5 mm)	yellow NEW!	L6-YL-15-OH	typ. 30 lm
		orange	L6-OR-15-OS	typ. 18 lm
		orange NEW!	L6-OR-15-OH	typ. 52 lm
		amber NEW!	L6-AM-15-OH	typ. 30 lm
		red	L6-RD -15-SS	typ. 12 lm

20°=120°
(for a single diode LED)

ELECTRICAL PARAMETERS								
Module type	Current input I_Z [mA] +/- 5%	Supply voltage U_Z [V]	Power input P [W]	Electrical efficiency factor ² : η [%]	Current change I_Z vs. voltage change U_Z factor ³ : I_U [%/%]	Current change I_Z vs. temperature change T factor ⁴ : I_T [%/K]	PWM modulation possibility	
L6-WH-24-PS	ca. 23 mA	24 VDC	ca. 0,6 W	min. 80 %	max. 1	typ. -0,3 $\frac{\%}{K}$	yes $f_{clock} \leq 4$ kHz	
L6-WW-24-PŻ	ca. 23 mA		ca. 0,6 W					
L6-BL-24-IS	ca. 23 mA		-10%					ca. 0,6 W
L6-GR-24-MS	ca. 25 mA		+5%					ca. 0,6 W
L6-YL-15-OS	ca. 50 mA	15 VDC	ca. 0,8 W					
L6-YL-15-OH	ca. 50 mA		ca. 0,8 W					
L6-OR-15-OS	ca. 50 mA		-5%					ca. 0,8 W
L6-OR-15-OH	ca. 50 mA		+5%					ca. 0,8 W
L6-AM-15-OH	ca. 50 mA		ca. 0,8 W					
L6-RD -15-SS	ca. 27 mA		ca. 0,45W					

Explanatory note:

- ² The electrical efficiency factor (η) is assigned as, expressed in percentage, the proportion of power provided for diodes LED to total power consumed by a module (the higher rate of this factor the better, max. value is 100%).
- ³ Current change I_Z vs. voltage change U_Z factor (I_U) represents the relation of module LED current relative change as a result of supply voltage relative value change (the lower value the better, in good solutions the value of this factor does not exceed 1).
- ⁴ Current change I_Z vs. temperature change T factor (I_T) represents module LED current relative change (given in percentage) at the increase of temperature of 1 degree (the value of this factor should be very low, negative value proves the use of the current negative thermal compensation extending diodes LED life time).

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