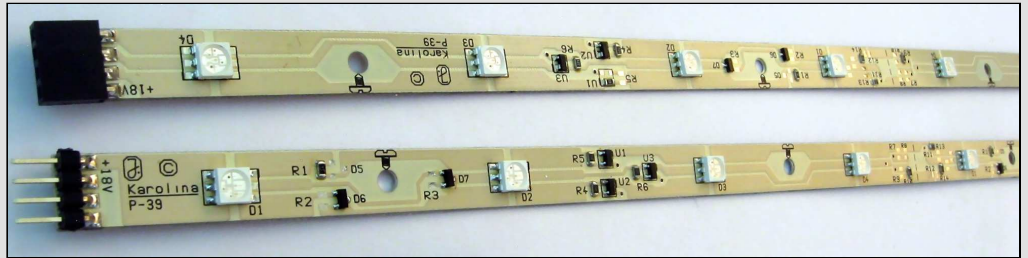


NEW !!!

POWERLED® L8-RGB-IS STRIP



POWERLED® L8-RGB is a LED module in the shape of 390 mm long strip where eight RGB “long life” diodes with high light efficiency are installed. It was possible to achieve a very high flux of light at low power consumption thanks to a very high electrical efficiency factor (above 70 %). Current stabilizers with thermal compensation built in (ca. -0,3%/K) are used for supplying diodes. Modules are ended with a four-pin plug and a socket (common “plus”, separate “R”, “G”, “B” terminals) allowing direct connection up to 20 modules from one electrical terminal. These modules work with the PWM modulation power controllers of frequency up to 4 kHz. Strips can be fixed with clasp elements (LPM-ED-M4-H3-P), polyamide screws (LPM-SR-M3-12-P), or double-sided sticky tapes (recommended tapes “3M” with higher strength). An acceptable work temperature range is from -30°C to +60°C.

Examples of use: : decorative lighting, advertising lighting (contour and surface), spatial letters lighting, LED lamps, so called “colour therapy”, architectural lighting etc.

TECHNICAL PARAMETERS

OPTICAL PARAMETERS ¹

¹ based on diode LED producer catalogue data

Dimensions (length/width/height)	390 x 10 x 4 mm (without plug “pins”)	Flux of light	red (625 nm)	typ. 20 lm
Diodes LED quantity, strip weight	8 pcs. (raster: 49 mm) ca. 11 g		green (530 nm)	typ. 30 lm
Supply voltage	19 VDC +/- 5%		blue (470 nm)	typ. 9 lm
Supply current (each colour: 100%)	I(R)≈25 mA, I(G)≈50 mA I(B)≈50 mA	Angle of light (2φ for I _V /2)	120°	
Electric power (each colour: 100%)	ca. 2,5 W	Number of possible colours (controller: three 8-bit channels)	ca. 16,7 mln	

Model configurations: CONTROLLER & L8-RGB-IS STRIPS

Controller type	Maximum number of L8-RGB-IS strips	Consumed electric power (for maximum number of strips)
„MINI-PCB”	up to 24 strips	ca. 60 W (each colour: 100%)
S3-4	up to 80 strips	ca. 200 W (each colour: 100%)
S3-8	up to 140 strips	ca. 350 W (each colour: 100%)

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