LOW PROFILE LED ON SUBSTRATE

FEATURES

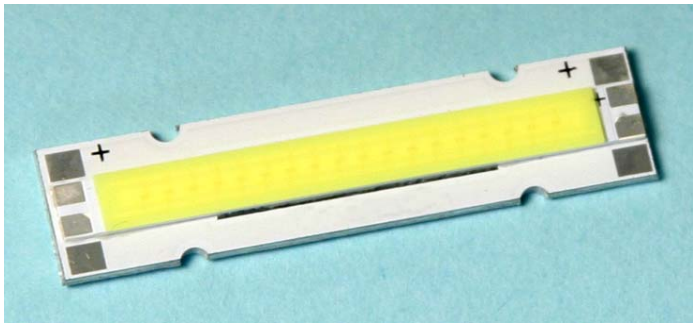
Dual connection design allows for mounting several together for continuous linear light source or in parallel order as a planar light source.

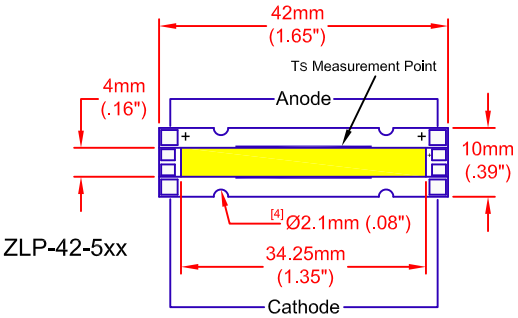
Low Profile Linear LED (2.1mm Height).

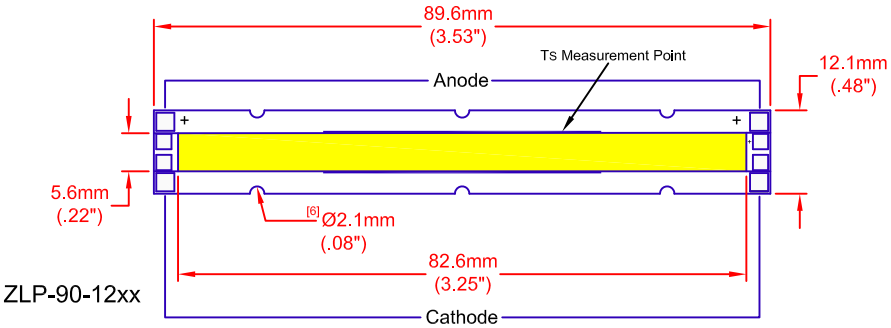
Solid line of linear illumination.

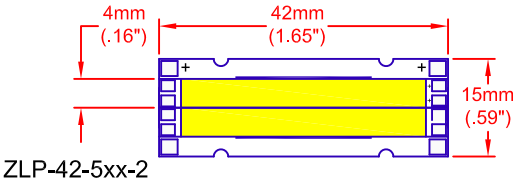
Mounted on heat sink for optimal heat dissipation.

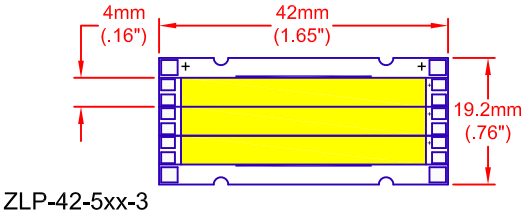
Easy screw installation.











Notes: 1. General tolerance is 0.2mm.
2. Aluminum (Al) substrate thickness is 1mm.
3. The temperature of substrate (Ts) should not be higher than 50°C.

Absolute Maximum Ratings

Parameter	Symbol	Rating	Units
Transient Surge Voltage	V_{TS}	12	V
LED Junction Temperature	T_J	80	ºC
Operating Temperature	Topr	-40 ~ +50	ºC
Storage Temperature	Tstg	-40 ~ +120	ºC

VALUES APPLY TO ALL SIZES

JKL Part Number	*Color Options	Watts	Current mA	V_F			Flux
				Min.	Typ.	Max.	Typ.
ZLP-42-5CW	6,000-10,000 ºk COOL WHITE	1.0	350mA	3.1	3.4	5	100 lm
ZLP-42-5NW	3,800-5,000 ºk NEUTRAL WHITE	1.0	350mA	3.1	3.4	5	80 lm
ZLP-42-5WW	2,670-3,800 ºk WARM WHITE	1.0	350mA	3.1	3.4	5	70 lm
ZLP-42-5CW-2	6,000-10,000 ºk COOL WHITE	2.0	700mA	3.1	3.4	5	200 lm
ZLP-42-5NW-2	3,800-5,000 ºk NEUTRAL WHITE	2.0	700mA	3.1	3.4	5	160 lm
ZLP-42-5WW-2	2,670-3,800 ºk WARM WHITE	2.0	700mA	3.1	3.4	5	140 lm
ZLP-42-5CW-3	6,000-10,000 ºk COOL WHITE	3.0	1050mA	3.1	3.4	5	300 lm
ZLP-42-5NW-3	3,800-5,000 ºk NEUTRAL WHITE	3.0	1050mA	3.1	3.4	5	240 lm
ZLP-42-5WW-3	2,670-3,800 ºk WARM WHITE	3.0	1050mA	3.1	3.4	5	210 lm
ZLP-90-12CW	6,000-10,000 ºk COOL WHITE	3.5	350mA	9	10.2	12	330 lm
ZLP-90-12NW	3,800-5,000 ºk NEUTRAL WHITE	3.5	350mA	9	10.2	12	265 lm
ZLP-90-12WW	2,670-3,800 ºk WARM WHITE	3.5	350mA	9	10.2	12	230 lm

* Please contact JKL to discuss your specific color requirements.

ATTENTION

OBSERVE PRECAUTION FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

REV. NO.	DESCRIPTION/ECO NUMBER	APPV'D DATE
B	ADD NOTE FOR COLOR OPTIONS	8/30/11
A	ADD DOUBLE & TRIPLE PARTS	6/14/11
	RELEASED	4/19/11

METRIC

THIRD ANGLE PROJECTION

DIMENSIONS ARE IN mm & (INCHES)

TOLERANCE UNLESS OTHERWISE SPECIFIED
1 PL +/- REF.
2 PL +/-
ANGLE +/-

DRAWN BY: L. WENGSTROM | APP'D BY: L.R. | DATE: 8/30/11

- CAD DRAWING -
MANUAL REVISIONS NOT PERMITTED

JKL COMPONENTS CORPORATION

TITLE: LOW PROFILE LED ON SUBSTRATE

SIZE: A | FSCM NO.: 55335 | DRAWING NO.: ZLP-MULTI

SCALE: NONE | RELEASED DATE: 4/19/11 | REVISION DATE: 8/30/11 | REV. NO.: B | SHEET: 1 OF 1