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PRELIMINARY SPEC   P/N: LSL-062-08

Features

● THE LED LIGHT MODULE CONSISTS OF A MAXIMUM OF 26 HIGH-BRIGHTNESS PLCC-2 SMD LEDS MOUNTED ON FLEXIBLE PCB WITH SELF-ADHESIVE BACKING.

● EACH LED HAS 120° VIEWING ANGLE FOR EVEN LIGHT DISTRIBUTION.

● LENGTH OF EACH MODULE CAN RANGE FROM 28mm (2 LEDS) TO 364mm (26 LEDS).

● UP TO TEN FULL MODULES (364cm,260 LEDS) CAN BE CONNECTED TO ONE POWER SUPPLY.
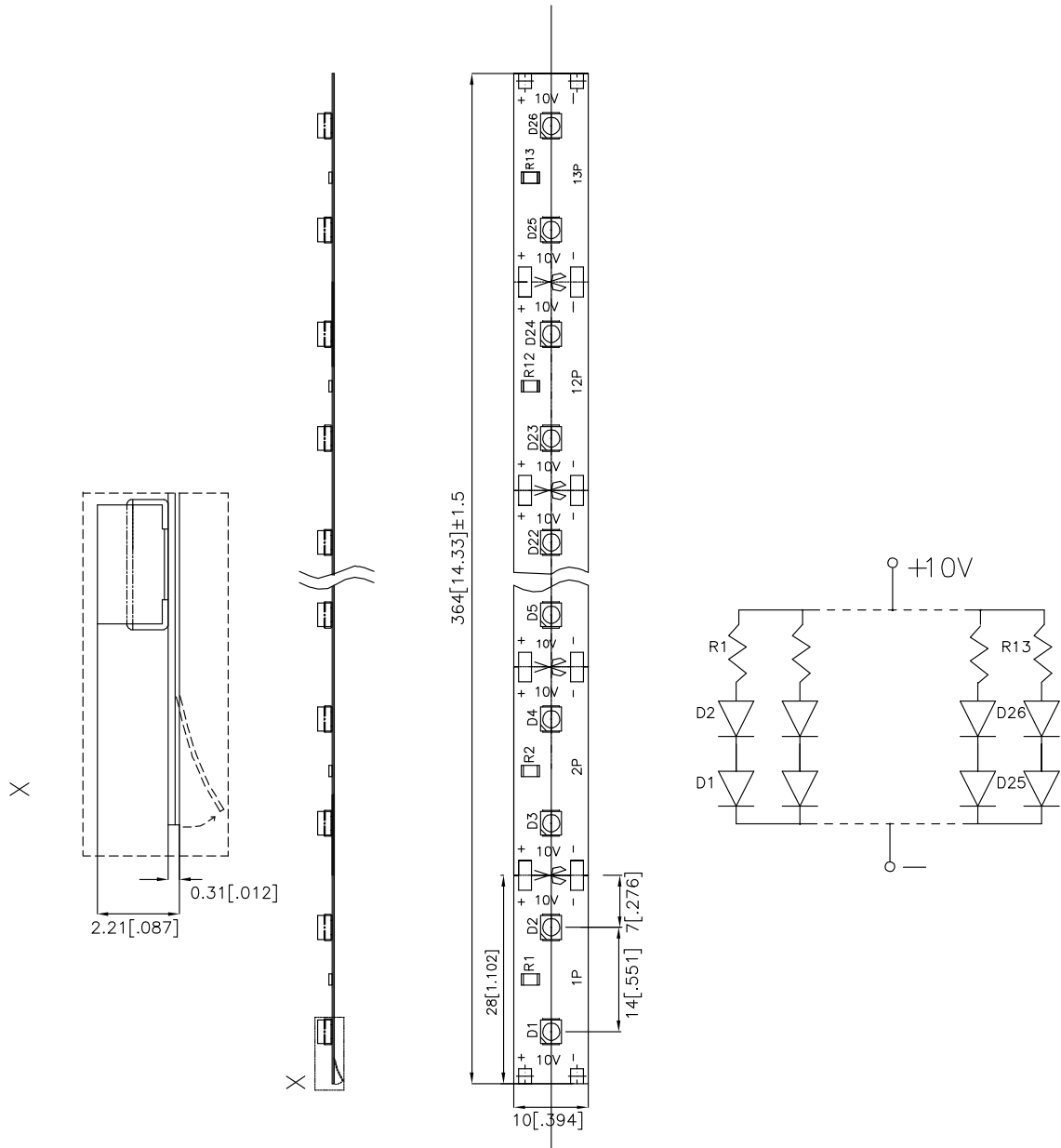
● RoHS COMPLIANT.

Applications

● BACKLIGHTING OF DIFFUSED GLASSES IN LIGHT ADVERTISEMENT.

● BORDER MARKER.

● INDIRECT ILLUMINATION.

● ESCAPE ROUTE MARKER.

● STAIR MARKERS.

Application Notes

● Wiring connections should only be made on the designated soldering pads (marked "+/- 10V"). Soldering process should not exceed 10 seconds at 260°C .

● Module can be trimmed to the desired length by cutting along the marked line between the soldering pads.

● Each module has a maximum length of 364mm. A maximum of ten modules (or 3640mm in total module length) may be connected to one power supply. The power supply should be connected near the middle of the module strip (see figures on Page 4).

● The power supply should contain an appropriate fuse to insure the electrical current do not exceed maximum tolerance of the light modules.

● The module should not be exposed to humid or dusty environments. Additional protection may be necessary for use in harsh conditions.

● The minimum bend radius of the PCB is 2cm. Sharp bends should not be made near an LED or electronic component.

● The flexible PCB of the light module contains a self-adhesive backing which can be attached to different surfaces. The bonding surface should be dry and cleaned of oils, silicone, or dirt residue. The mounting surface should be mechanically strong enough to support the light module. The backing tape can be removed from the PCB and the exposed adhesive surface can be attached to the substrate by applying approximately 20 N/cm^2 of pressure. The modules should be handled according to safe anti-static procedures. The adhesive is not recommended for use on untreated wood surfaces.

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Package Dimensions

D1~D26: KA-3528CGCK

0.31[.012]

2.21[.087]

364[14.33]±1.5

13P

12P

2P

1P

R13 D26 + 10V -

D25 + 10V -

R12 D24 + 10V -

D23 + 10V -

D22 + 10V -

D5 + 10V -

D4 + 10V -

R2

D3 + 10V -

D2 + 10V -

R1

D1 + 10V -

28[1.102]

14[.551]

7[.276]

10[.394]

+10V

R1

R13

D2

D26

D1

D25

Notes:
1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25(0.01") unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.
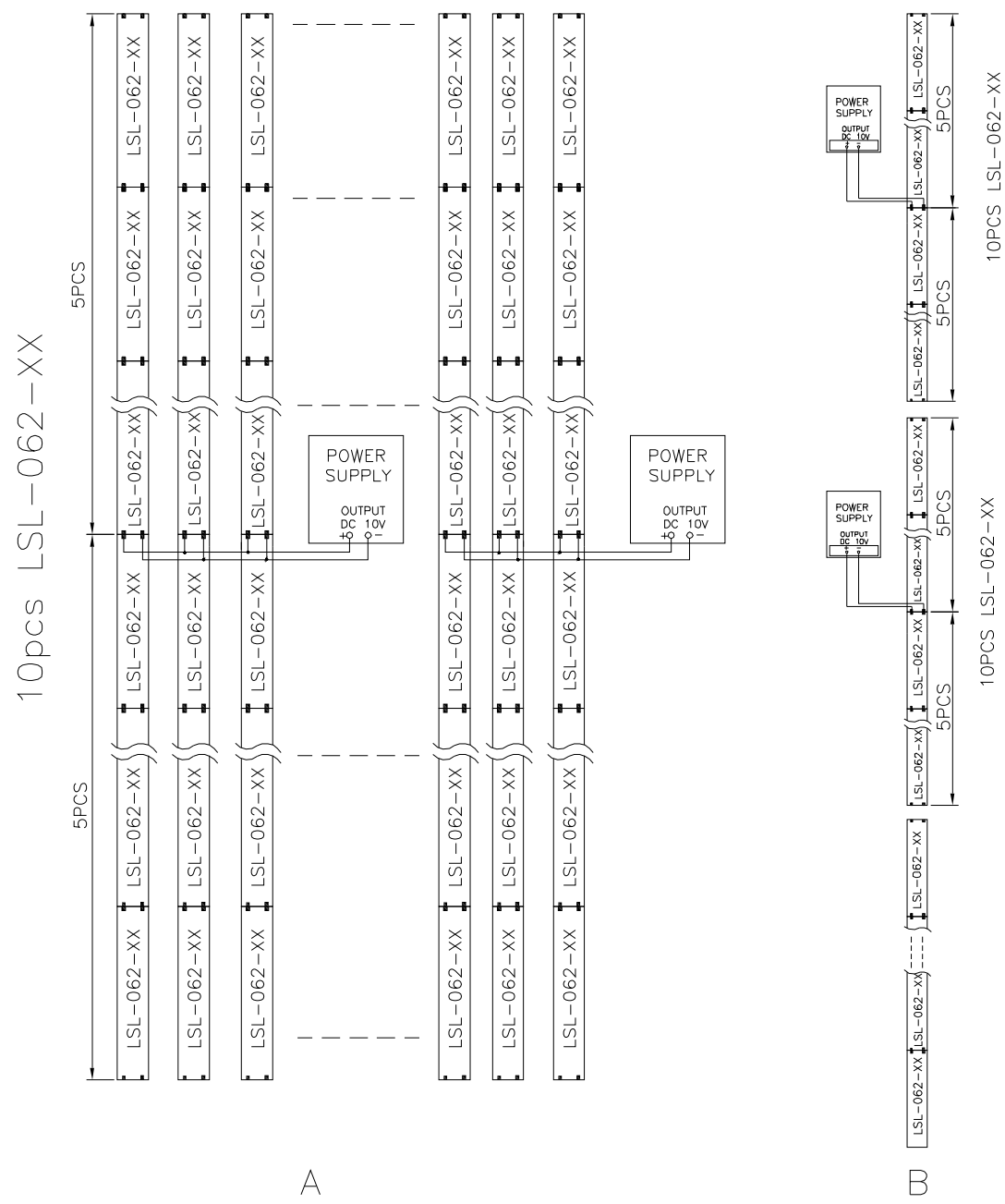4. Specifications are subject to change without notice.

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Operating Data (Ta=25℃)

Parameter	Symbol	Value	Unit
Colour of Emission	-	Green	-
Number of LEDS	-	26	-
Nominal Wavelength (typ)	λ dom	570	nm
Chromaticity coordinates according to CIE 1931(typ)	X	-	-
	Y	-	
Temperature coefficient of λdom (typ)	TCλdom	0.05	nm/°C
Temperature coefficient chromaticity coordinates (typ)	TCX	-	10^{-3}/°C
	TCY	-	10^{-3}/°C
Spectral line half-width (typ)	Δ λ 1/2	20	nm
Luminous Intensity (typ) (Per LED)	IV	60	mcd
Temperature coefficient of luminous intensity (typ)	TCIV	-0.17	%/°C
Viewing Angle (typ) (Per LED)	2φ	120	°
Nominal operating voltage	VB	+10.5	VDC
Operating Current (typ)	IB	320	mA
Temperature coefficient of IB (typ)	TCIB	+0.05	%/°C
Nominal power consumption	P	3.3	W
Weight (approx.)	M	3.2	g

Maximum Ratings

Parameter	Symbol	Value	Unit
Operating Temperature	TA	-30~+55	˚C
Storage Temperature	TSTG	-40~+85	˚C
Maximum current when connected in parallel	IBmax	3.2	A
Operating Voltage	V	+10~+11	VDC
Power Consumption	Ptot	3.5	W

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Electrical Connection Schematic Diagram

A

B

10pcs LSL-062-XX

5PCS

5PCS

POWER SUPPLY
OUTPUT DC 10V

POWER SUPPLY
OUTPUT DC 10V

10PCS LSL-062-XX

5PCS

5PCS

10PCS LSL-062-XX

5PCS

5PCS

POWER SUPPLY
OUTPUT DC 10V

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PACKING & LABEL SPECIFICATIONS   **LSL-062-08**

10PCS / BAG
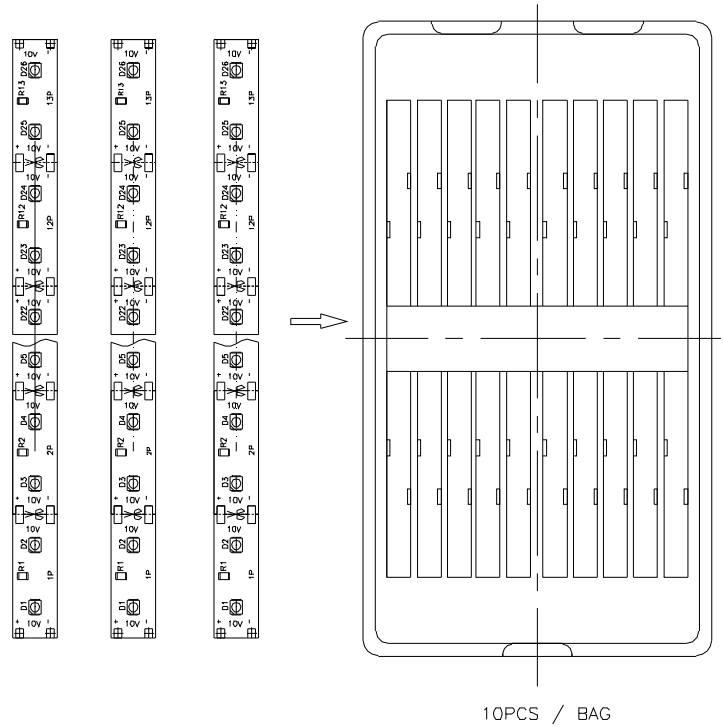
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Q.C.	QC XX XX XX PASSED

TYPE NO : LSL-062-XXX

QUANTITY : 10 pcs

S/N : XXX   CODE: XX

LOT NO

XX-XXXXX

MADE IN CHINA   RoHS Compliant

Remarks:

If special sorting is required (e.g. binning based on luminous intensity/ luminous flux, or wavelength),

the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm

2. Luminous Intensity/ Luminous Flux: +/-15%

Note: Accuracy may depend on the sorting parameters.