



LEDTECH ELECTRONICS CORP.

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# SPECIFICATION

*PART NO. : LY11KB-W3-01-14V*  
RIGID TYPE WITH SMD



Approved by

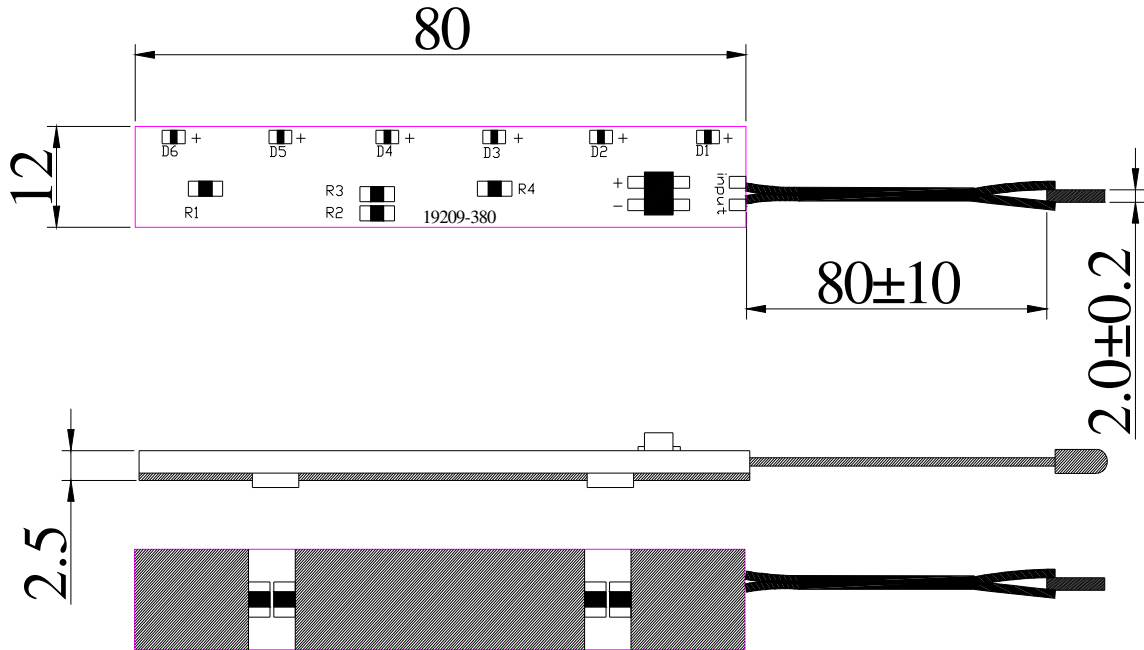
Checked by

Prepared by

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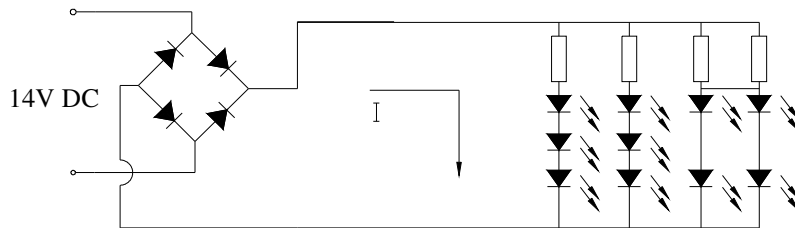


**Assembly drawing**



1. All dimensions are in millimeters
2. Tolerance is  $\pm 0.5$  mm unless otherwise noted

**Circuits**



**Description**

Part No.	LED Chip		Lens Color
	Material	Color Coordinates	
LY11KB-W3-01-14V	InGaN/Sapphire	X = 0.31 Y = 0.30	Water Clear



LY11KB-W3-01-14V

RIGID TYPE WITH SMD

**Absolute Maximum Ratings at Ta=25 °C**

Parameter	Symbol	Rating	Unit
Power Dissipation	P <sub>D</sub>	1260	mW
D.C. Forward Current	I <sub>f</sub>	90	mA
Operating Temperature Range	T <sub>opr.</sub>	-25 to +85	°C
Storage Temperature Range	T <sub>stg.</sub>	-40 to +100	°C
Lead Soldering Temp.(1.6mm from seating plane)		260 for 5s MAX.	°C
Electrostatic discharge (ESD)		6000	V

**Electrical and Optical Characteristics:**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity Per Chip LED	I <sub>v</sub>	I <sub>f</sub> =10mA.	35	75		mcd
Luminous Intensity Per Top LED	I <sub>v</sub>	I <sub>f</sub> =12mA.	270	500		mcd
Forward Current	I <sub>f</sub>	V <sub>f</sub> =14 V	40		60	mA
Spectrum Line Halfwidth Per LED	Δλ	I <sub>f</sub> =10mA		26		nm

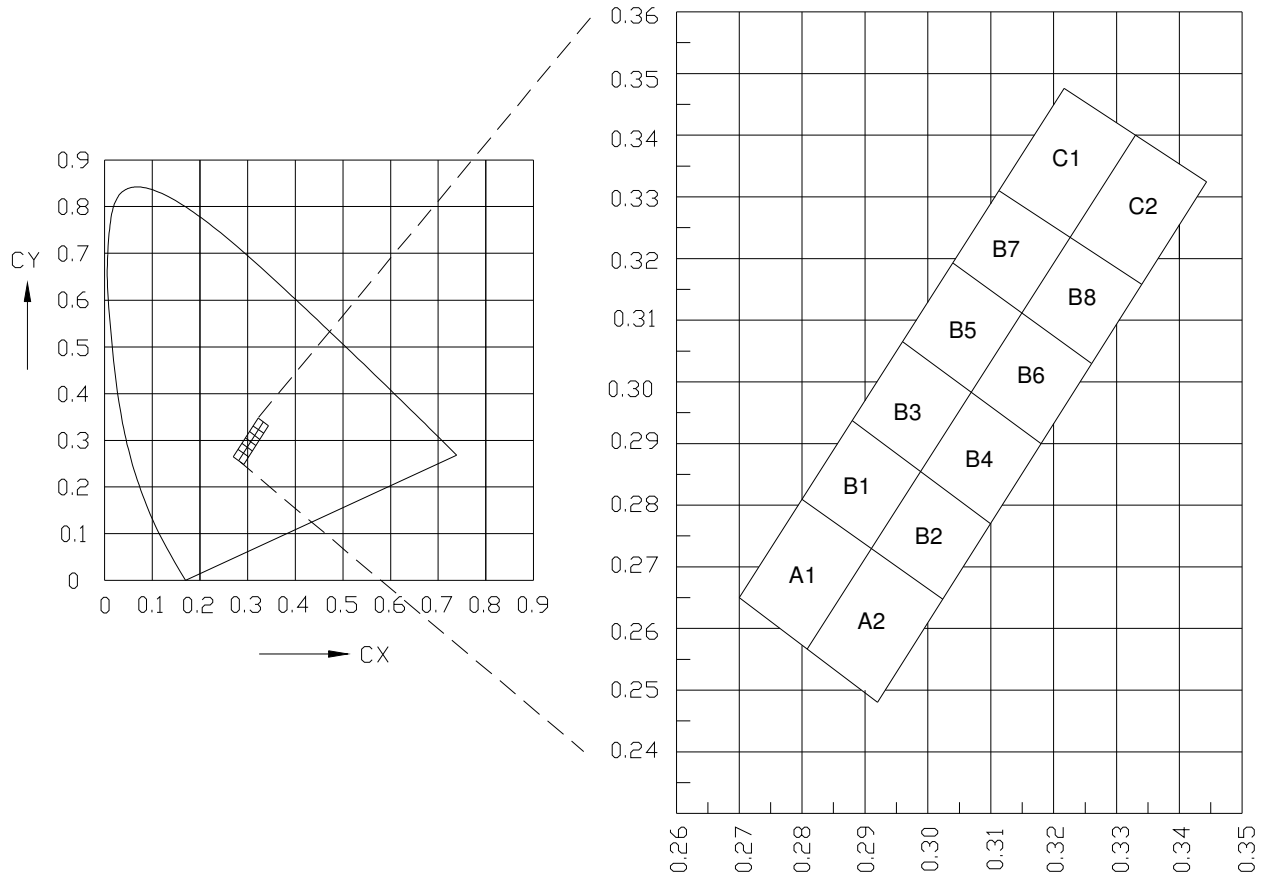
### Chromaticity Coordinates Specifications for Bin Grading

COLOR RANKS (IF=20mA, Ta=25° C)

BiN	RANK				BiN	RANK					
A1	X	0.27	0.28	0.291	0.281	B5	X	0.296	0.304	0.315	0.307
	Y	0.265	0.282	0.273	0.256		Y	0.307	0.319	0.311	0.298
A2	X	0.281	0.291	0.302	0.292	B6	X	0.307	0.315	0.326	0.318
	Y	0.256	0.273	0.265	0.248		Y	0.298	0.311	0.303	0.29
B1	X	0.28	0.288	0.299	0.291	B7	X	0.304	0.312	0.323	0.315
	Y	0.282	0.294	0.286	0.273		Y	0.319	0.331	0.323	0.311
B2	X	0.291	0.299	0.31	0.302	B8	X	0.315	0.323	0.334	0.326
	Y	0.273	0.286	0.277	0.265		Y	0.311	0.323	0.315	0.303
B3	X	0.288	0.296	0.307	0.299	C1	X	0.323	0.333	0.344	0.334
	Y	0.294	0.307	0.298	0.286		Y	0.323	0.34	0.332	0.315
B4	X	0.289	0.307	0.318	0.31	C2	X	0.312	0.322	0.333	0.323
	Y	0.286	0.298	0.29	0.277		Y	0.331	0.348	0.34	0.323

Notes : X,Y Tolerance each Bin limit is ±0.01

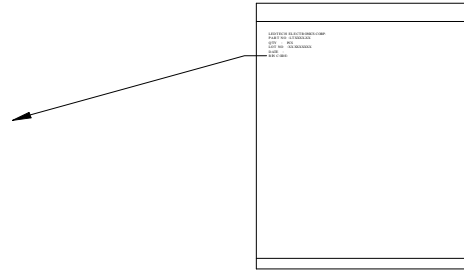
### Chromaticity Coordinates & Bin grading diagram



**ENCASED TYPE**

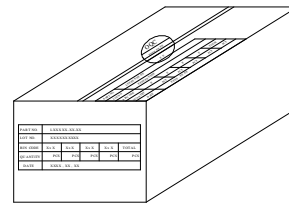
**PLASTIC PACKAGE**  
**QUANTITY: 5 PCS**

LEDTECH ELECTRONICS CORP.	
PART NO :LTXXXX-XX	
Q'TY	: PCS
LOT NO	:XXXXXXXXXX
DATE	:
BIN CODE: IV:	X Coordinates: X



**INNER BOX**  
**QUANTITY: 30 PACKETS**  
**TOTAL: 150 PCS**

PART NO.	LXXXXX-XX-XX				
LOT NO.	XXXXXXXXXX				
BIN CODE	Xx X	Xx X	Xx X	Xx X	TOTAL
QUANTITY	PCS	PCS	PCS	PCS	PCS
DATE	XXXX, XX, XX				



**OUTER CARTON**  
**QUANTITY: 4 BOX**  
**TOTAL: 600 PCS**

C/T NO. 箱 號	XX
PART NO. 料 號	LXXXXX-XX-XX
QUANTITY 數 量	PCS
N.W. 淨 重	KGS
G.W. 毛 重	KGS
REMARK 備 註	

