T-1 (3mm) RIGHT ANGLE LED INDICATOR

Part Number: L-710A8CB/1YD

Yellow

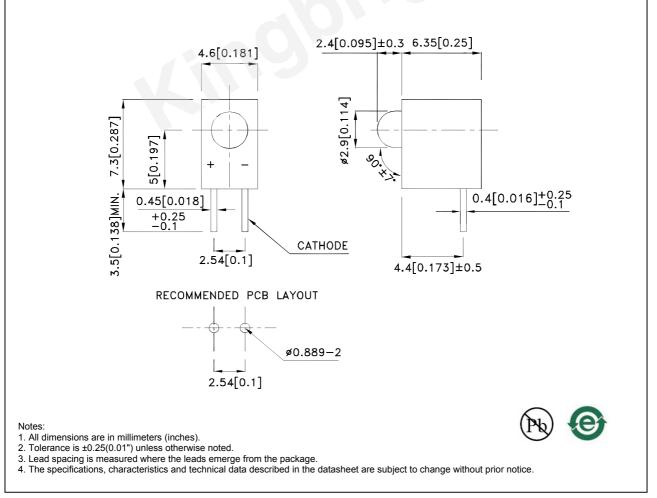
Features

- Pre-trimmed leads for pc mounting.
- Black case enhances contrast ratio.
- Wide viewing angle.
- High reliability life measured in years.
- Housing UL rating:94V-0.
- Housing material: type 66 nylon.
- · RoHS compliant.

Description

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

Package Dimensions



SPEC NO: DSAE7176 **APPROVED: WYNEC**

REV NO: V.11B **CHECKED: Allen Liu**

DATE: SEP/25/2013 **DRAWN: D.N.Huang** PAGE: 1 OF 5 ERP: 1102005085

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Selection Guide					
Part No.	Dice	Lens Type	lv (mcd) [2] @ 10mA		Viewing Angle [1]
			Min.	Тур.	201/2
L-710A8CB/1YD	Yellow (GaAsP/GaP)	Yellow Diffused	6	15	40°

Notes:

1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

2. Luminous intensity/ luminous Flux: +/-15%.

3. Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.		Units	Test Conditions	
λpeak	Peak Wavelength	Yellow	590		nm	IF=20mA	
λD [1]	Dominant Wavelength	Yellow	588		nm IF=20mA		
Δλ1/2	Spectral Line Half-width	Yellow	35		nm	I⊧=20mA	
С	Capacitance	Yellow	20		pF	VF=0V;f=1MHz	
VF [2]	Forward Voltage	Yellow	2.1	2.5	V	I⊧=20mA	
lr	Reverse Current	Yellow		10	uA	VR = 5V	

Notes:

1.Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

Absolute Maximum Ratings at TA=25°C

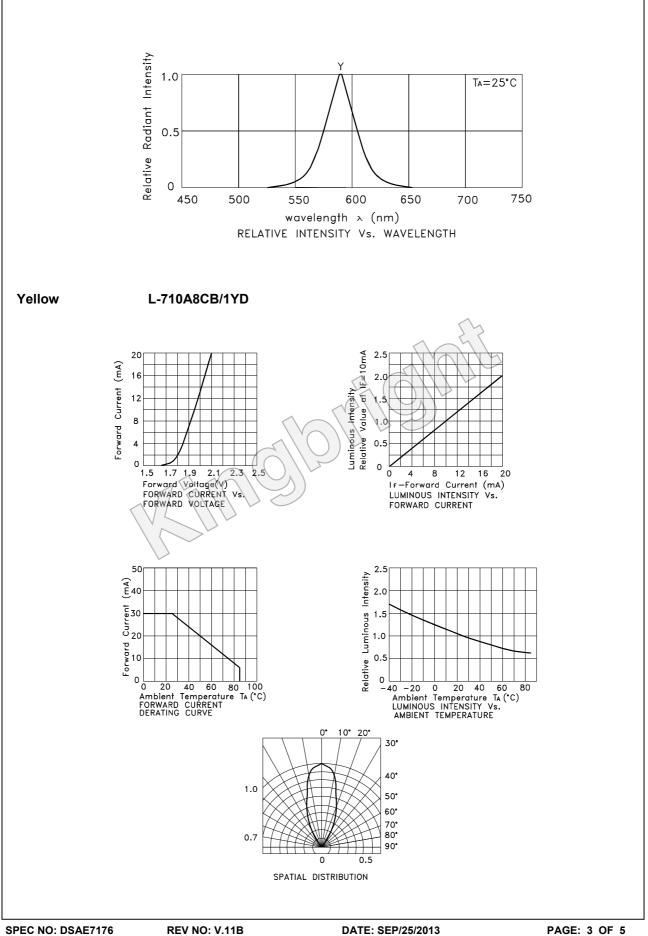
Yellow	Units	
75	mW	
30	mA	
140	mA	
5	V	
-40°C To +85°C		
260°C For 3 Seconds		
260°C For 5 Seconds		
	75 30 140 5 -40°C To +85°C 260°C For 3 Seconds	

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.
3. 5mm below package base.

DATE: SEP/25/2013 DRAWN: D.N.Huang



PACKING & LAB	EL SPECIFICATIONS	L-710A8CB/1YD
		LABEL 500 PCS/BAG
	Kingbright WING AND	
	Kingb P/NO: L-710A8CBxxx QTY: 500 pcs S/N: XXXX CODE: XXX LOT NO:	Q.C. Q C XX XX XXX PASSED RoHS Compliant
		ment representative usage scenarios and is intended

- 2. The part number, type, and specifications mentioned in this document are subject to future change and improvement without notice. Before production usage customer should refer to the latest datasheet for the updated specifications.
- 3.When using the products referenced in this document, please make sure the product is being operated within the environmental and electrical limits specified in the datasheet. If customer usage exceeds the specified limits, Kingbright will not be responsible for any subsequent issues.
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PRECAUTIONS

1. The lead pitch of the LED must match the pitch of the mounting holes on the PCB during component placement. Lead-forming may be required to insure the lead pitch matches the hole pitch. Refer to the figure below for proper lead forming procedures.

