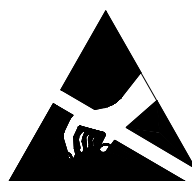
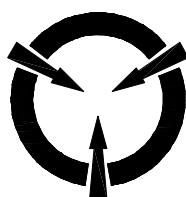


## LD1-BWD0W0-A41S

### DATA SHEET

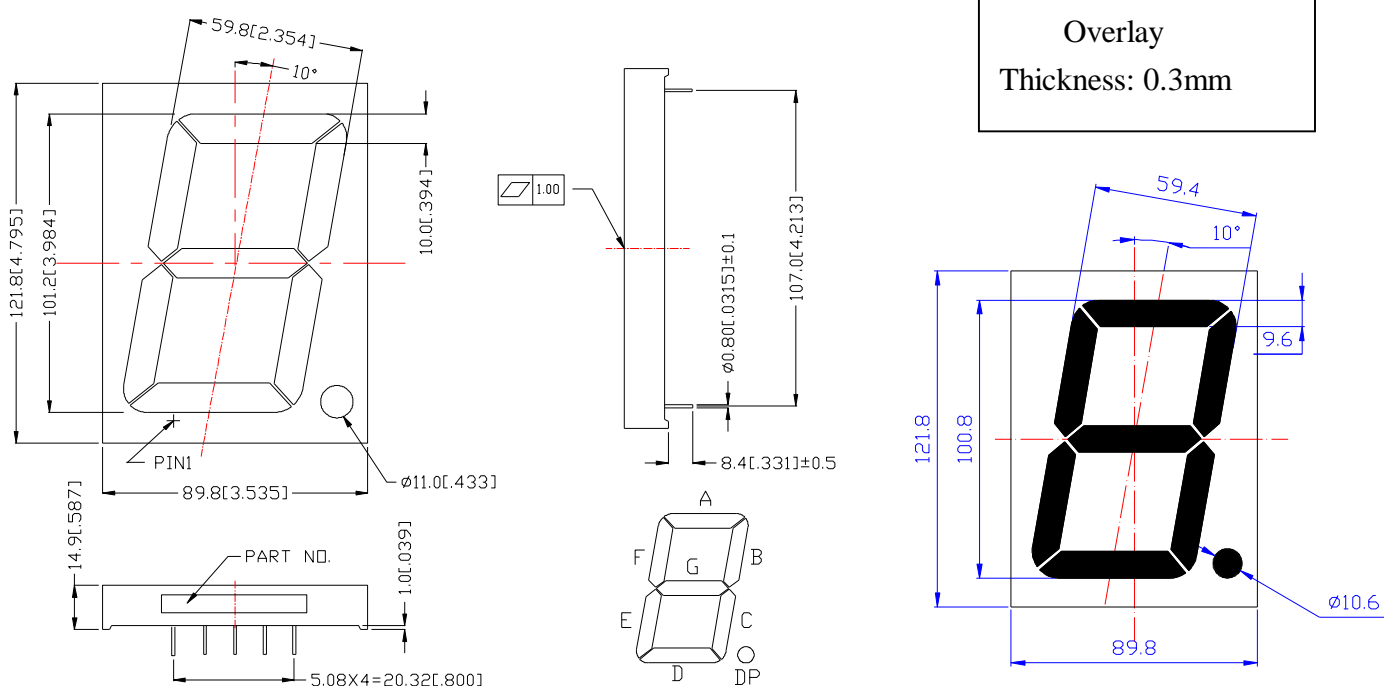


Light Engine			Customer
<i>Prepared by</i>	<i>Checked by</i>	<i>Approved by</i>	
Chenfok	YueWei	YueWei	
<b>NOTE: Conformity with RoHS directive 2002/95/EC</b>			

#### ■ Modification Record

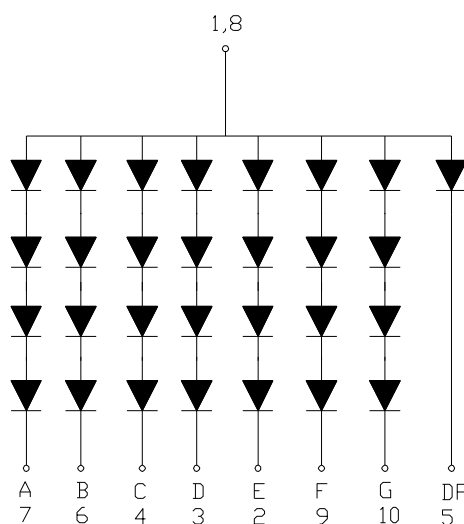
Rev.	Description Of Change	Requested	Date
01	1st preliminary specification	Light Engine	2009/1/13

## Outer Dimension:



Notes: Unless otherwise stated, The tolerance is  $\pm 0.25$  mm.

## Circuit Diagram:



## Pin Connection:

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Common Anode	6	Cathode B
2	Cathode E	7	Cathode A
3	Cathode D	8	Common Anode
4	Cathode C	9	Cathode F
5	Cathode DP	10	Cathode G

■ Features:

- High Reliability
- Color: White Digit
- Low Power Requirement
- Easy Assembly

■ Description:

- Single Digit Display
- Digit Height:101.2mm(4.0" )
- Black face with diffuser overlay and SMT with white lamps

■ Absolute Maximum Rating (Ta=25°C):

Parameter	Symbol	Condition	Color	Rating	Unit
Power Dissipation Per Segment	P <sub>d</sub>	—	White	460	mW
Forward Current Per Segment	I <sub>F</sub>	—	White	20	mA
Derating Of If Per Segment	△I <sub>F</sub>	Ta ≥ 25°C	White	0.25	mA/°C
Peak Forward Current Per Segment	I <sub>fp</sub>	1/10 Duty 10KHz	White	100	mA
Reverse Voltage Per Segment	V <sub>R</sub>	—	White	20	V
Operating Temperature Range	Topr	—	—	-35~+85	°C
Storage Temperature Range	Tstg	—	—	-35~+85	°C

■ Electrical/Optical Characteristics Rating(Ta=25°C)

Item	Symbol	Test condition	Location	Color	Rating			Unit
					Min.	Typ.	Max.	
Forward Voltage	VF	IF=20mA	DP	White	—	3.4	4	V
			Per Segment		—	17	20	
Reverse Current	IR	VR=20V	Per Segment	White	—	—	100	μA
Luminous Intensity	Iv	IF=10mA	Per Segment	White	—	321*	—	mcd
Chromaticity Coordinate	x	IF=10mA	Per Segment	White	—	0.30	—	—
	y					0.29		
Electrostatic Discharge Threshold (HBM)		—		—	—	—	1000	V
Luminous Intensity Matching Ratio (Segment to Segment)	Iv-m	If=10mA					2:1	

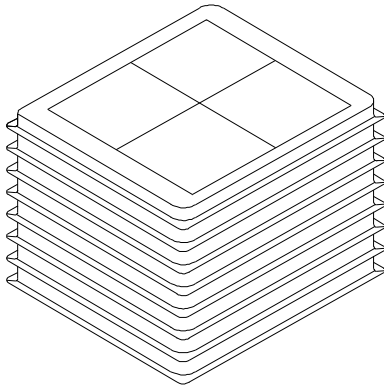
\* The Luminous Intensity Sorting will be update when the samples have been completed.

■ Pb, Cd, Hg, Cr+6, PBBs, PBDEs 6 Substances Complies To RoHS Standard.

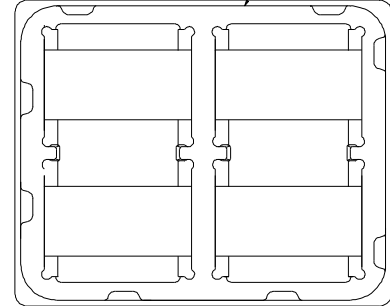
■ Soldering Conditions : Soldering Temp. ≤ +260°C ;Soldering Time. ≤ 3sec.

(at 2mm Distance from The Case of Reflector Edge)

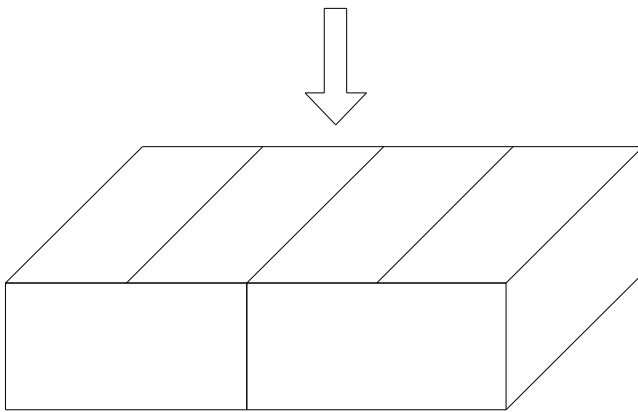
■ Packing Specification:



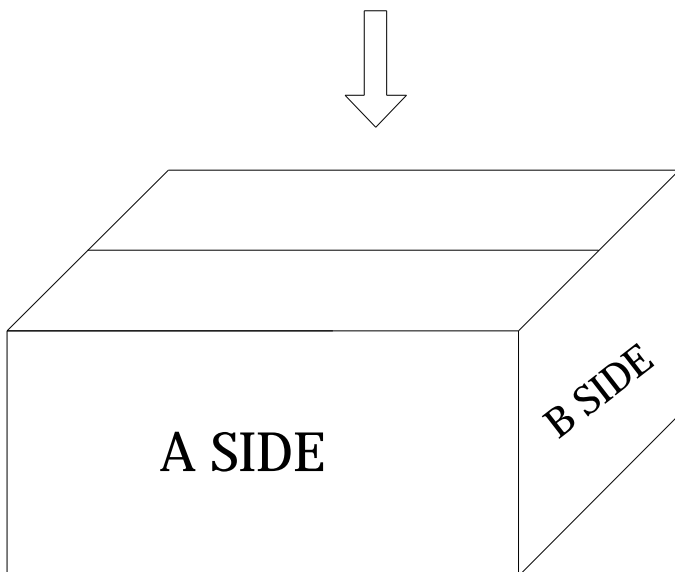
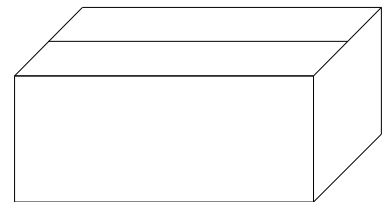
8 Trays/Inner Carton  
1 pc Empty Tray on the top  
(7\*4=28 pcs/Inner Carton)



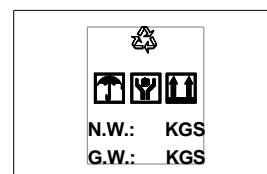
4 PCS/ TRAY



2 Inner Cartons/Outer Carton  
56 PCS / Outer Carton



A SIDE



B SIDE