

SL-T2835UVAC120-L70 DATA SHEET

SPEC. NO. : SZ19112002
DATE : 2019/11/20
REV. : A/0

Approved By:

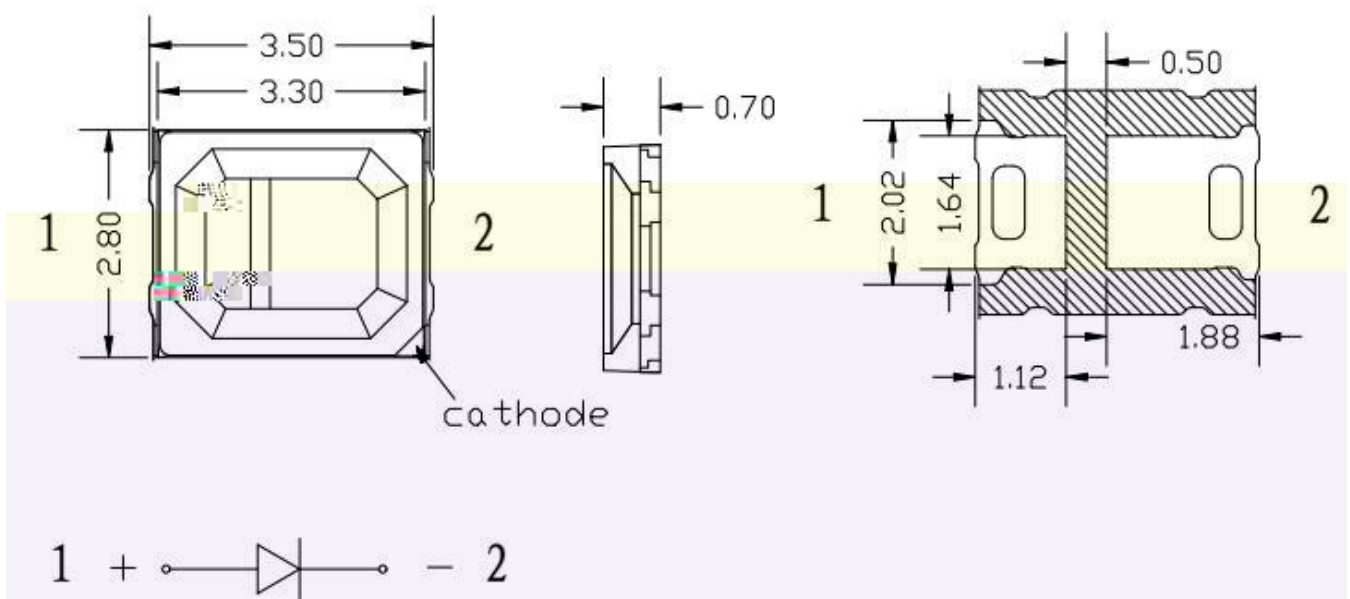
Checked By:

Prepared By:

Features

- ◆ Pb free product RoHS compliant
- ◆ Low power consumption, High efficiency
- ◆ Reliable and rugged
- ◆ Long life solid state reliability
- ◆ Radiant angle: 120 °
- ◆ Peak Wavelength: 395nm

Package Dimension



Part NO.	Chip Material	Lens Color
SL-T2835UVAC120-L70	GaN	Water Clear

Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.10 mm unless otherwise noted
3. Specifications are subject to change without notice.

Absolute Maximum Ratings at Ta=25

Parameter	MAX.	Unit
Power Dissipation	480	mW
Continuous Forward Current	120	mA
Peak Forward Current ^{*2}	150	mA
Reverse Voltage	5	V
Electrostatic Discharge (HBM) ^{*3}	2000	V
Moisture Sensitivity Level ^{*1}	5a	
Operating Temperature	-40 to + 85	
Storage Temperature	-40 to + 100	
IR Reflow Temperature	260 for 10 Seconds MAX.	

1. Storage

- (1). Storage requirements before vacuum bag opened: Temperature<30 , Humidity<65%RH;
- (2). Check air leakage and vacuum bag damage before opened. If there is any issue found, check the humidity indicator card immediately after bag opened:
 - a. components can be used without additional handling;
 - b. If color changes on both 10% and 20% circles but not the circles of 30% and above, components must be dehumidified according to the conditions of bullet (5);
 - c. If color changes on 10%, 20%, and 30% circle or above, the product should be returned to the supplier for high temperature dehumidification;
- (3). After bag opened, manual soldering or reflow process must follow the following requirements:
 - a. Complete soldering / reflow within 24 hours;
 - b. Requirements of working environment: Temperature<30 , Humidity<60%RH;
- (4). If the working condition is outside (3)a or (3)b requirement, the components must be dehumidified according to the conditions of bullet (5);
- (5). Low temperature dehumidification: temperature 60±5 , at least 24 hours;
- (6). dehumidified according to the condition of bullet (5). If customer is unable to dehumidify, return components to LIGHT for dehumidification.

2. Peak Forward Current:

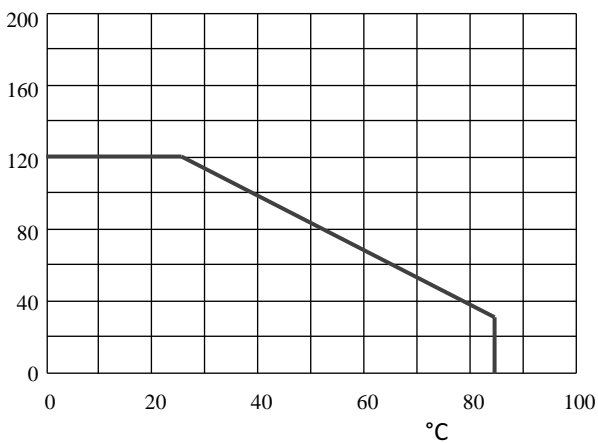
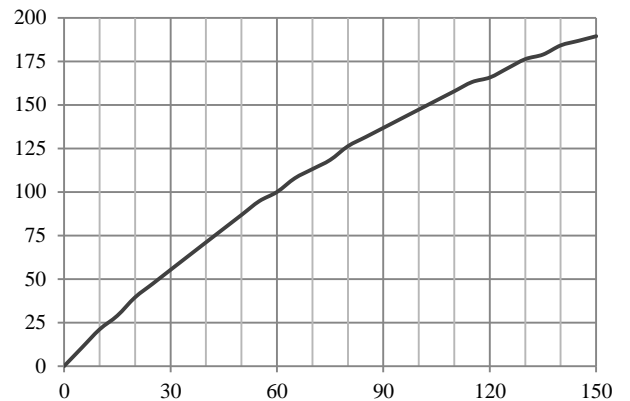
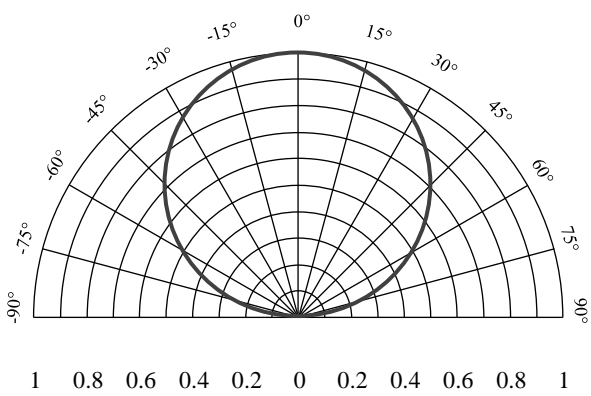
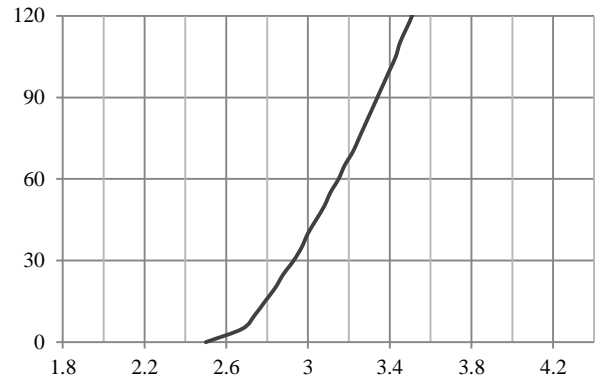
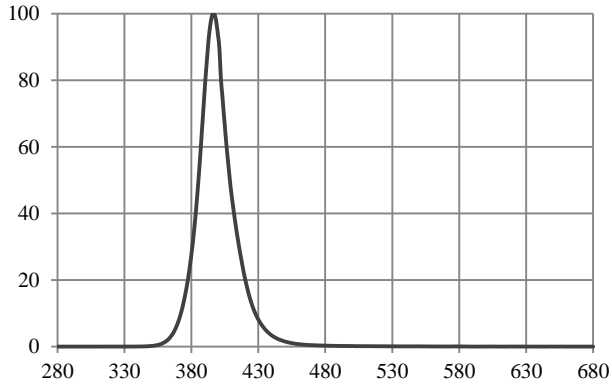
Condition for is IFP pulse: duty 0%.

3. Caution in ESD:

Static Electricity and surge damages the LED. It is recommend to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.





Typical Electrical / Optical Characteristics Curves (25 °C Ambient Temperature Unless Otherwise Noted)





Label Explanation

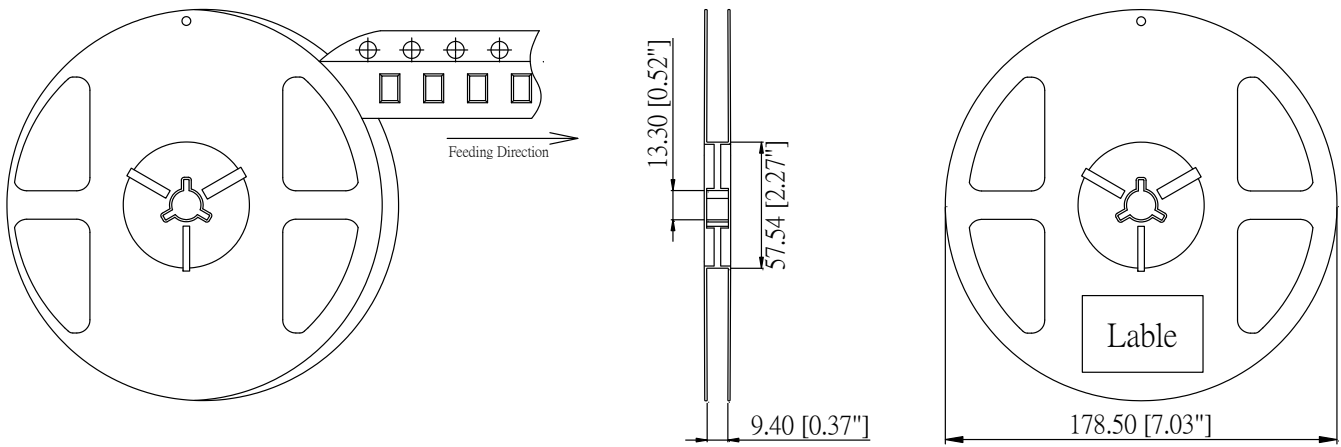
LIGHT Universal Label

LIGHT		
Light Electronics CO., LTD.		
MODEL NAME: _____		LOT NO. : _____
QUANTITY: _____		
BIN: _____		
PACKING DATE: _____		
REMARKS: _____		

Customer Defined Label

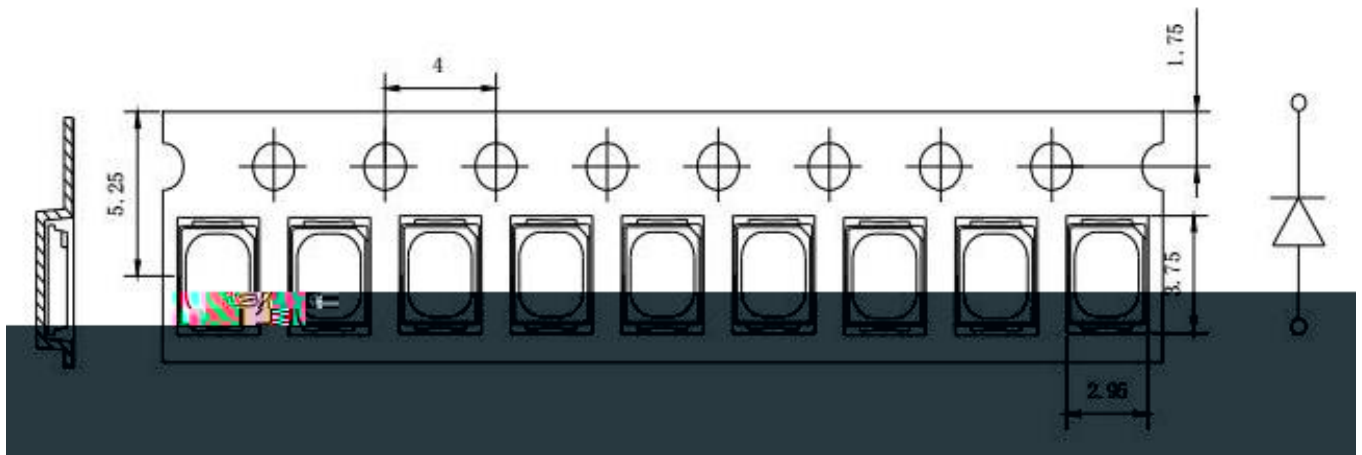
LIGHT		
Light Electronics CO., LTD.		
MODEL NAME: _____		LOT NO. : _____
QUANTITY: _____		
BIN: _____		
PACKING DATE: _____		
CUSTOMER P/N: _____		

Reel Dimensions



Note: Tolerance unless mentioned is $\pm 0.2\text{mm}$; Unit = mm

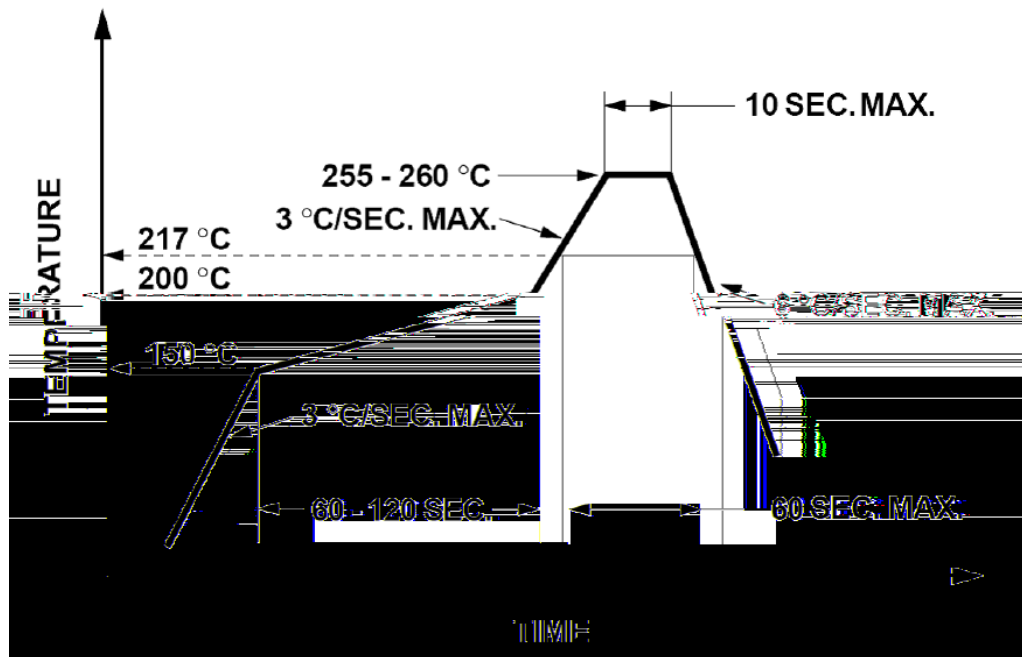
Carrier Tape Specifications



Note: Tolerance unless mentioned is ± 0.1 mm; Unit = mm

Moisture Resistant Packaging

Suggest IR Reflow Condition For Lead Free



1. Reflow soldering should not be done more than two times.
2. When soldering, do not put stress on the LEDs during heating.

Soldering iron

1. When hand soldering, the temperature of the iron must less than 300 for 3 seconds.
2. The hand solder should be done only once.

Repairing

Repair should not be done after the LEDs have been soldered. When repairing is unavoidable, a double-head soldering iron should be used (as below figure). It should be confirmed beforehand whether the characteristics of LEDs will or will not be damaged by repairing.

