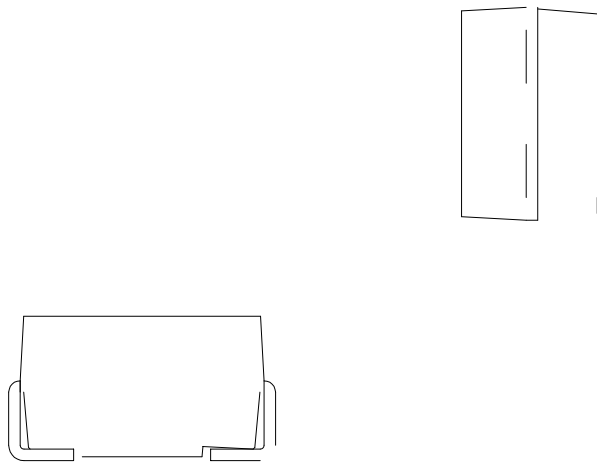




### Features

Pb free product—RoHS compliant  
 Low power consumption, High efficiency  
 Reliable and rugged  
 Long life – solid state reliability  
 Viewing angle: 120°

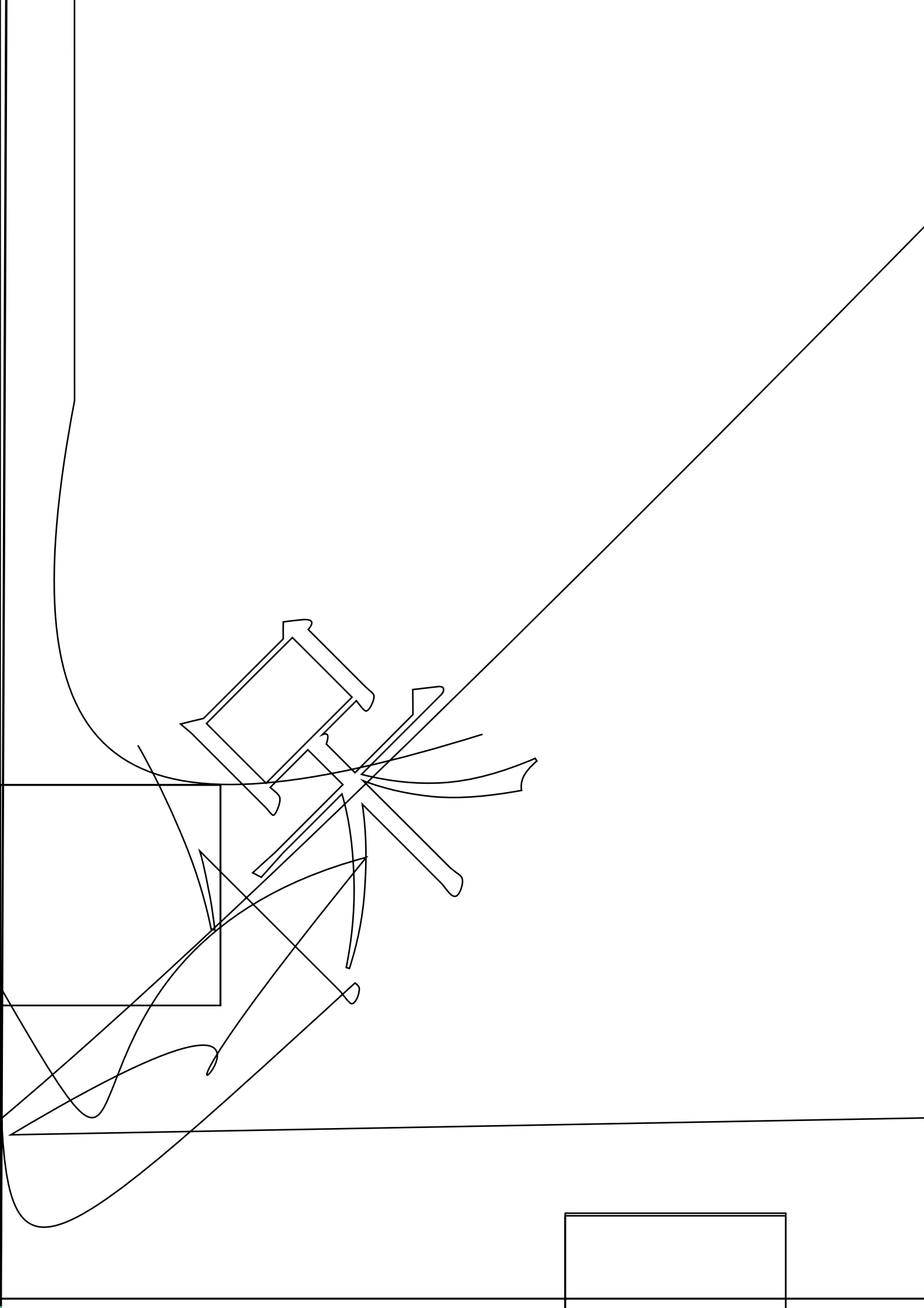
### Package Dimension



| Part NO.               | Lens Color  | Source Color        |
|------------------------|-------------|---------------------|
| SL-T3528IRURPC010-L180 | Water Clear | Infrared/Red/Purple |

#### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.10\text{mm}$  unless otherwise noted.
3. Specifications are subject to change without notice.



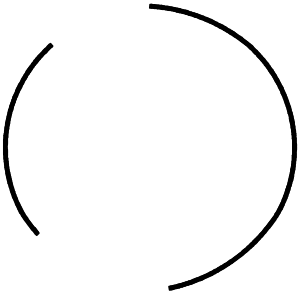
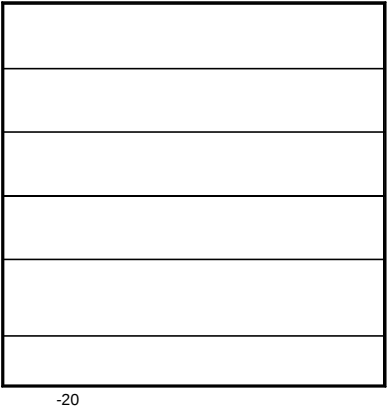
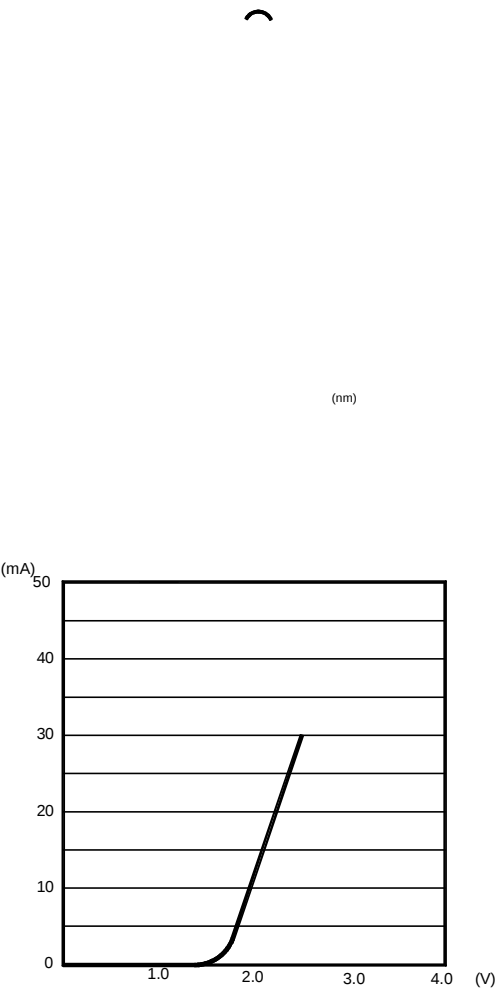
### Electrical Optical Characteristics at Ta=25℃

| Parameter                | Symbol            | Color    | Min. | Typ. | Max. | Unit  | Test Condition       |
|--------------------------|-------------------|----------|------|------|------|-------|----------------------|
| Radiant Intensity        | I <sub>e</sub>    | Infrared | 1.0  | 2.0  | ---  | mW/sr | I <sub>F</sub> =10mA |
| Luminous Intensity       | I <sub>v</sub>    | Red      | 200  | 330  | ---  | mcd   | I <sub>F</sub> =10mA |
|                          |                   | Purple   | 10   | 22   | ---  | mcd   | I <sub>F</sub> =10mA |
| Viewing Angle            | 2θ <sub>1/2</sub> | ---      | ---  | 120  | ---  | Deg.  | (Note 2)             |
| Peak Emission Wavelength | λ <sub>p</sub>    | Infrared | ---  | 840  | ---  | nm    | I <sub>F</sub> =10mA |
|                          |                   | Red      | ---  | 635  | ---  | nm    | I <sub>F</sub> =10mA |





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





### Label Explanation

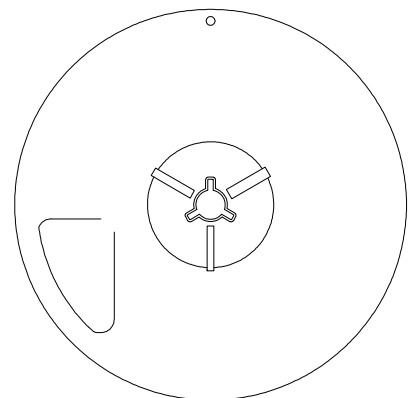
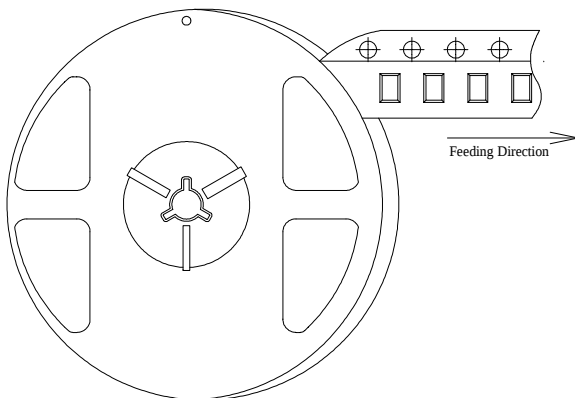
LIGHT Universal Label

|                                             |                                                                                                     |                                                                                   |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>LIGHT</b><br>Light Electronics CO., LTD. |                                                                                                     |  |
| MODEL NAME: _____                           | <br>LOT NO.: _____ |                                                                                   |
| QUANTITY: _____                             |                                                                                                     |                                                                                   |
| BIN: _____                                  |                                                                                                     |                                                                                   |
| PACKING DATE: _____                         |                                                                                                     |                                                                                   |
| REMARKS: _____                              |                                                                                                     |                                                                                   |

Customer Defined Label

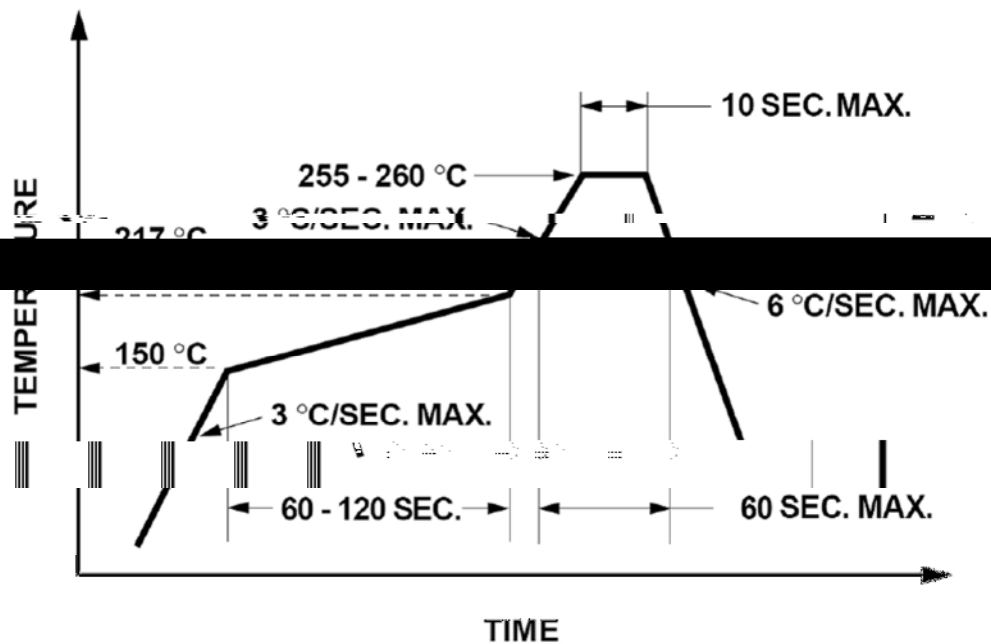
|                                             |                                                                                                       |                                                                                     |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>LIGHT</b><br>Light Electronics CO., LTD. |                                                                                                       |  |
| MODEL NAME: _____                           | <br>LOT NO.: _____ |                                                                                     |
| QUANTITY: _____                             |                                                                                                       |                                                                                     |
| BIN: _____                                  |                                                                                                       |                                                                                     |
| PACKING DATE: _____                         |                                                                                                       |                                                                                     |
| CUSTOMER P/N: _____                         |                                                                                                       |                                                                                     |

### Reel Dimensions



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





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°C 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.

