

## PRODUCT SPECIFICATION

**Model No.: FYL-4354UWW1A-S2**

| Descriptions:                                 |
|---|
| ■ Dice material: InGaN.                       |
| ■ Emitting Color: Super bright White.         |
| ■ Device Outline: $\Phi 4*5$ mm ellipse type. |
| ■ Lens Type: White diffused.                  |



| CUSTOMER APPROVED SIGNATURES | APPROVED BY | CHECKED BY | PREPARED BY |
|------------------------------|-------------|------------|-------------|
|                              |             |            |             |

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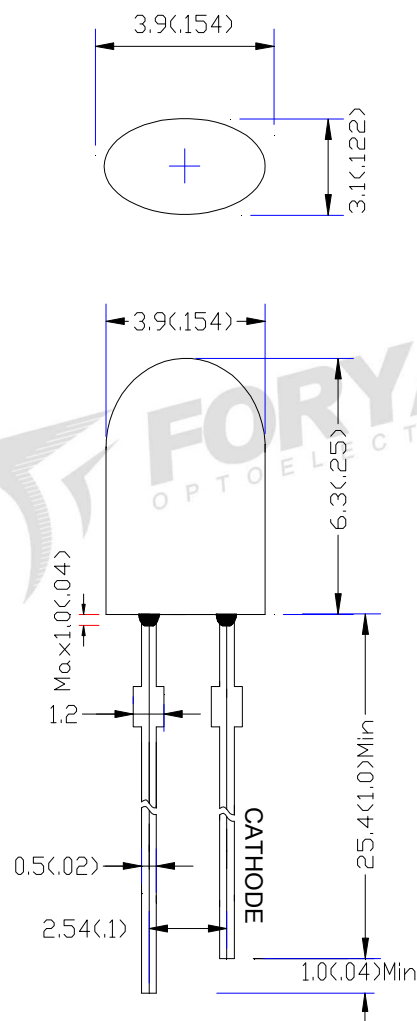
**E-mail:** Sales@foryard.com (General)

[Http://www.foryard.com](http://www.foryard.com)

## ■ Features

1. Low power consumption.
2. High efficiency.
3. General purpose leads.
4. High intensity.
5. RoHs compliant.

## ■ Package configuration



### Notes:

1. All dimensions are millimeters (inches)
2. Tolerance is  $\pm 0.25\text{mm}$  (.010") unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

■ Absolute maximum ratings(Ta=25 ° c)

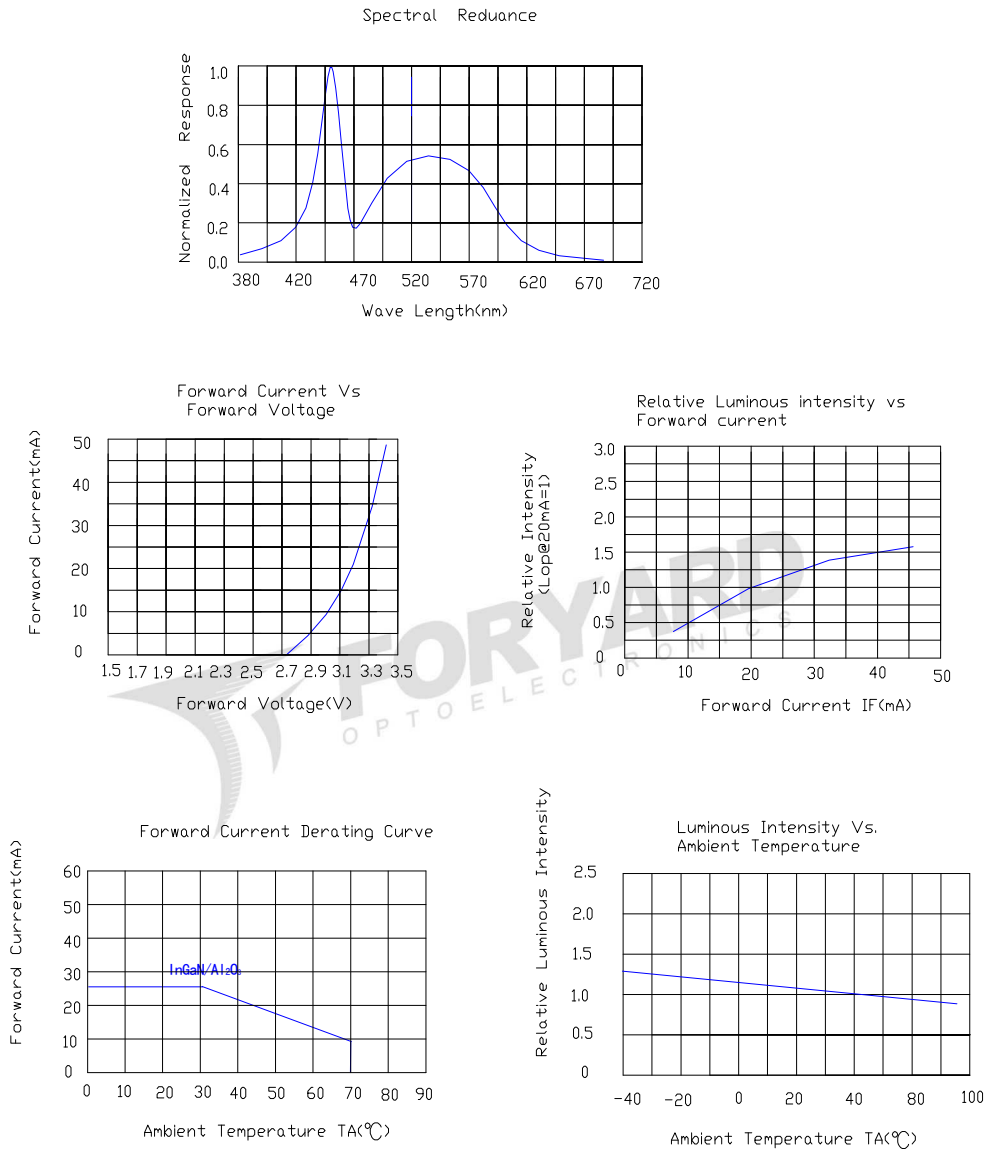
| Parameter   | MAX.                | Unit  |
|---|---------------------|-------|
| Power Dissipation   | 90                  | mW    |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100                 | mA    |
| Continuous Forward Current                                | 25                  | mA    |
| Derating Linear From 50°C                                 | 0.4                 | mA/°C |
| Reverse Voltage   | 5                   | V     |
| Operating Temperature Range                               | -40°C to +85°C      |       |
| Storage Temperature Range                                 | -40°C to +100°C     |       |
| Lead Soldering Temperature[4mm(.157") From Body]          | 260°C for 5 Seconds |       |

■ Electrical and optical characteristics(Ta=25 ° c)

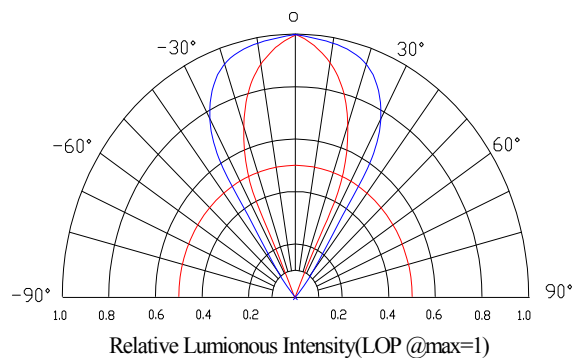
| Parameter                | Symbol            | Min. | Typ. | Max. | Unit | Test Condition       |
|--------------------------|-------------------|------|------|------|------|----------------------|
| Luminous Intensity       | I <sub>v</sub>    | -    | 3000 | -    | mcd  | I <sub>F</sub> =20mA |
| Viewing Angle            | 2θ <sub>1/2</sub> | X    | 75   | -    | Deg  |                      |
|                          |                   | Y    | 40   | -    |      |                      |
| Chromaticity coordinates | X                 | -    | 0.29 |      |      |                      |
|                          | Y                 |      | 0.30 |      |      |                      |
| Color temperature        | CCT               | -    | 9500 | -    | K    |                      |
| Forward Voltage          | V <sub>F</sub>    | 2.8  | 3.2  | 3.6  | V    |                      |
| Reverse Current          | I <sub>R</sub>    |      |      | 10   | μA   | V <sub>R</sub> =5V   |

## ■ Typical Electrical Characteristics Curves

(25 °c Ambient Temperature Unless Otherwise Noted)

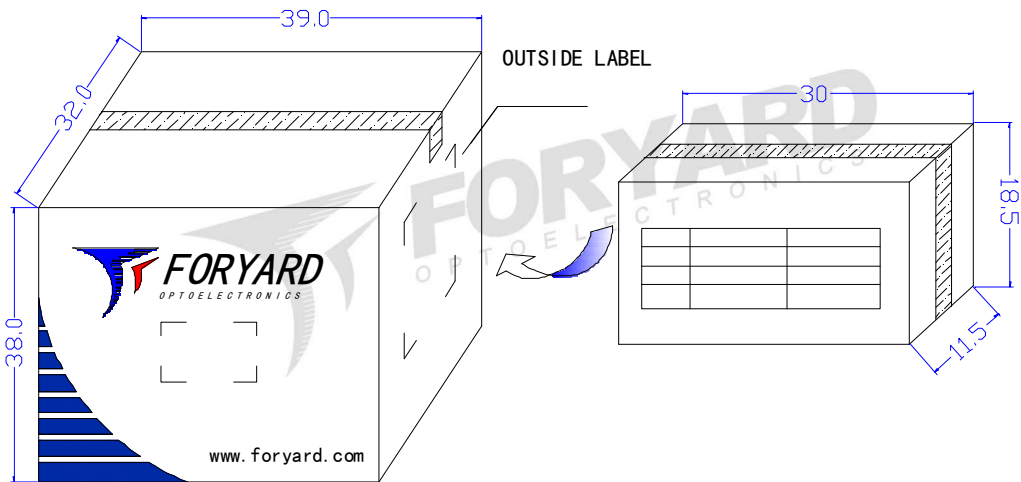
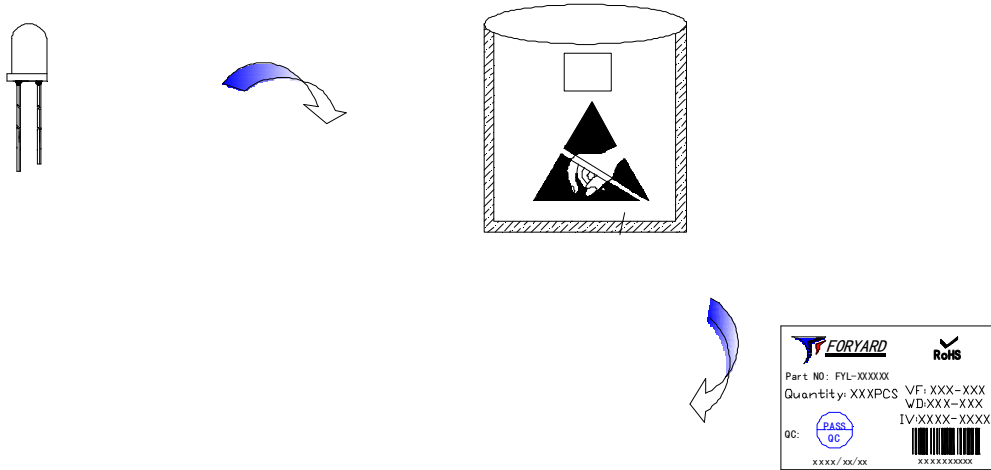


## Radiation pattern.



|                   |                  |
|-------------------|------------------|
| <b>Model. No.</b> | FYL-4354UWW1A-S2 |
| <b>Rev.</b>       | A                |

■ LAMP PACKING.



OUTSIDE LABEL