

PRODUCT SPECIFICATION

Model No.: FYL-3019URUGW1A-CC

| Descriptions: |
|------------------------------------|
| ■ Dice material: AlGaInP/ AlGaInP |
| ■ Emitting Color: Red/Yellow green |
| ■ Device Outline: Φ3mm round type. |
| ■ Lens Type: White diffused. |



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

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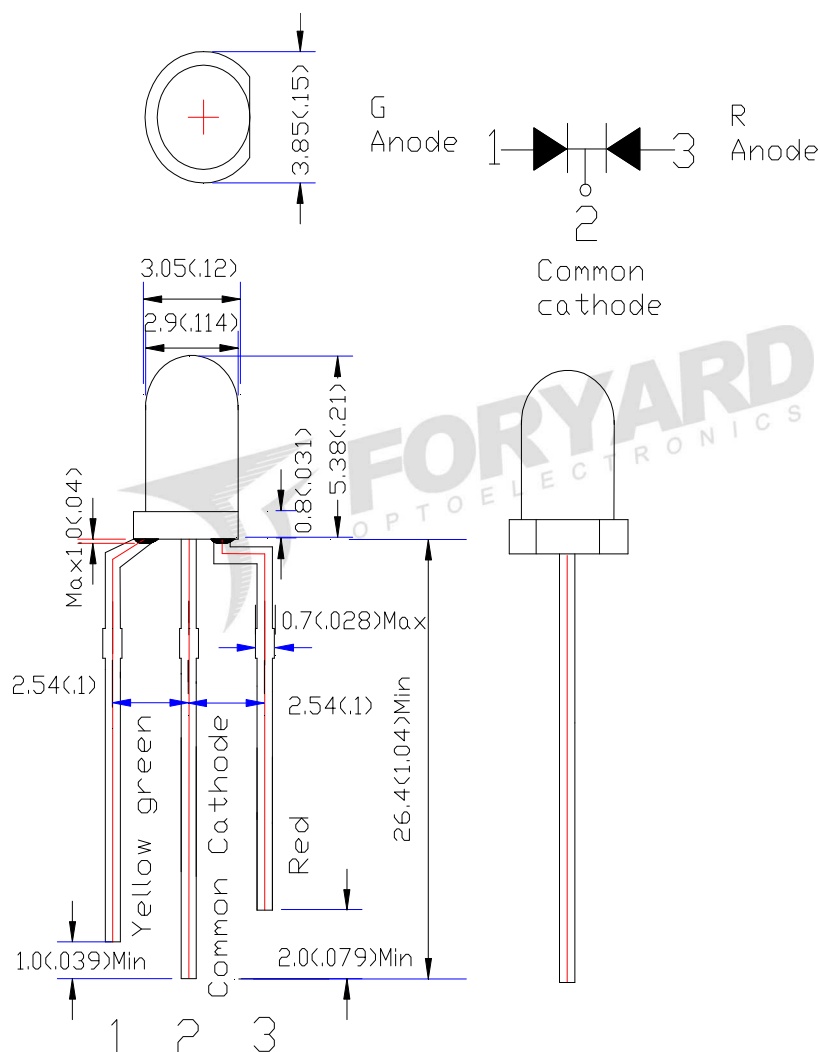
E-mail: Sales@foryard.com (General)

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

■ Features

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

■ Package configuration



Notes:

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

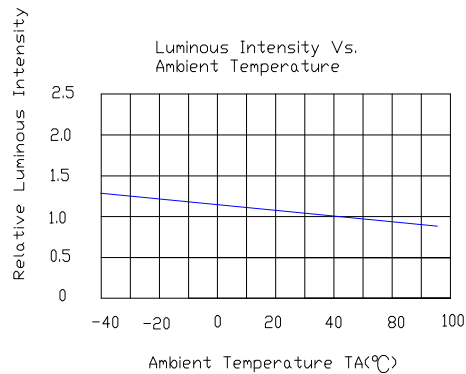
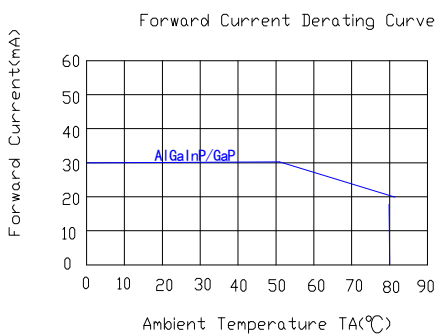
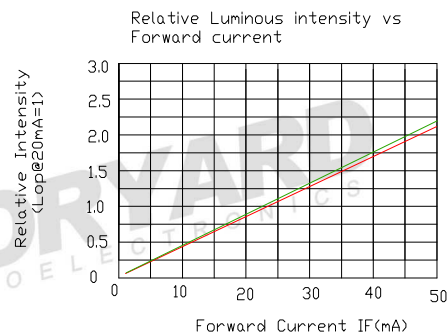
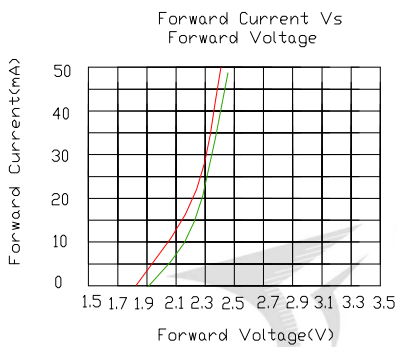
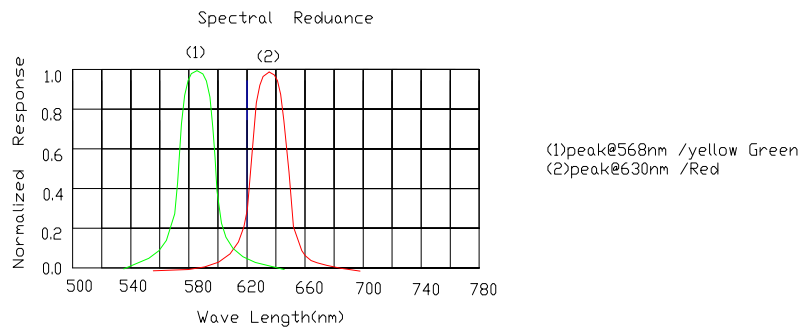
■ Absolute maximum ratings(Ta=25 ° c)

| Parameter | MAX. | Unit |
|---|---------------------|-------|
| Power Dissipation | UR 75 | mW |
| | UG 75 | |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100 | mA |
| Continuous Forward Current | 30 | 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 | |

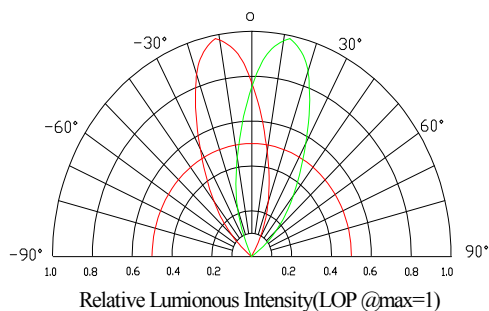
■ Electrical and optical characteristics(Ta=25 ° c)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition | |
|--------------------------|-------------------|------|------|------|------|----------------------|----|
| Luminous Intensity | I _v | UR | 1000 | - | mcd | I _F =20mA | |
| | | UG | 200 | - | | | |
| Viewing Angle | 2θ _{1/2} | UR | 30 | - | Deg | | |
| | | UG | 30 | - | | | |
| Peak Emission Wavelength | λ _p | UR | 630 | - | nm | | |
| | | UG | 568 | - | | | |
| Dominant Wavelength | λ _d | UR | 620 | 625 | 630 | | nm |
| | | UG | 567 | 572 | 577 | | |
| Spectral Line Half-Width | Δλ | UR | 10 | 15 | 20 | | nm |
| | | UG | 15 | 20 | 25 | | |
| Forward Voltage | V _F | UR | 1.7 | 2.0 | 2.4 | V | |
| | | UG | 1.8 | 2.3 | 2.5 | | |
| Reverse Current | I _R | | | 10 | μA | V _R =5V | |

■ **Typical Electrical Characteristics Curves**
(25 °c Ambient Temperature Unless Otherwise Noted)

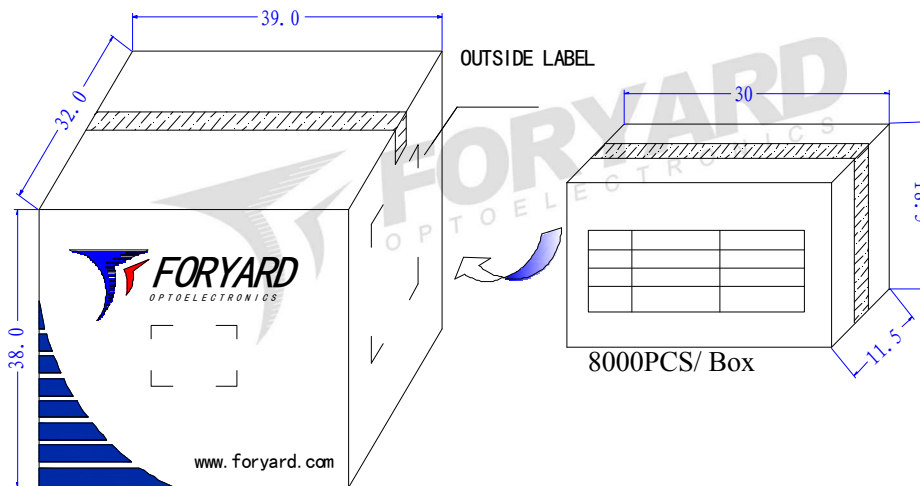
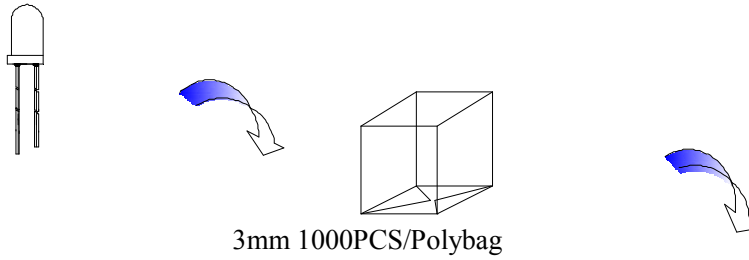


Radiation pattern.



| | |
|-------------------|--------------------|
| Model. No. | FYL-3019URUGW1A-CC |
| Rev. | A |

■ LAMP PACKING.



48000PCS/ Carton



OUTSIDE LABEL