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|-------------------|---------------|
| Model. No. | FYL-5483UBC1A |
| Rev. | A |

PRODUCT SPECIFICATION

Model No.: FYL-5483UBC1A

| Descriptions: |
|------------------------------------------------------|
| ■ Dice material: InGaN. |
| ■ Emitting Color: Super bright Blue. |
| ■ Device Outline: $\Phi 5 \times 4$ mm ellipse type. |
| ■ Lens Type: Water clear. |



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

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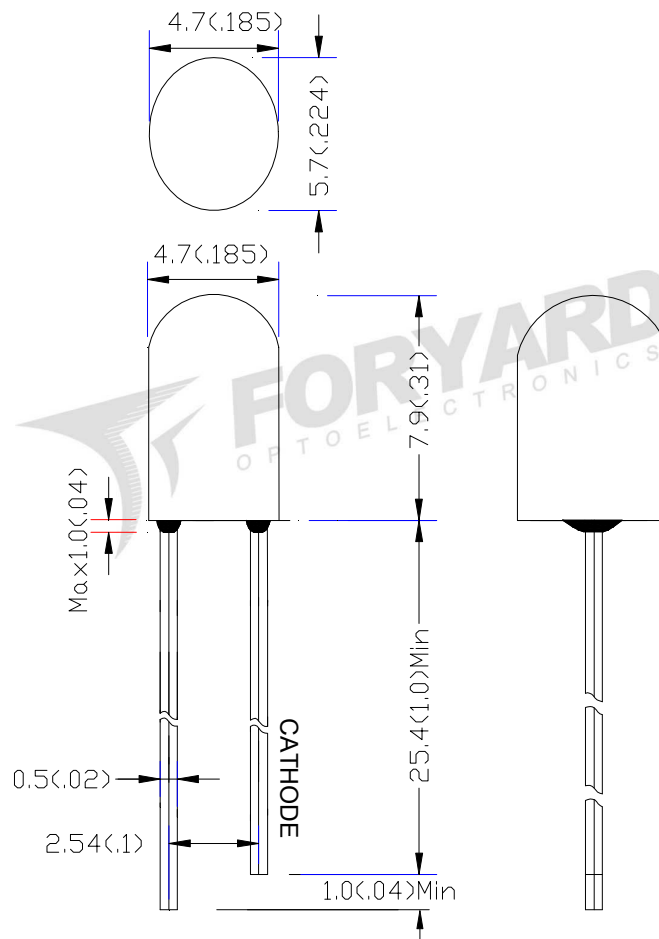
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■ Features

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 | |

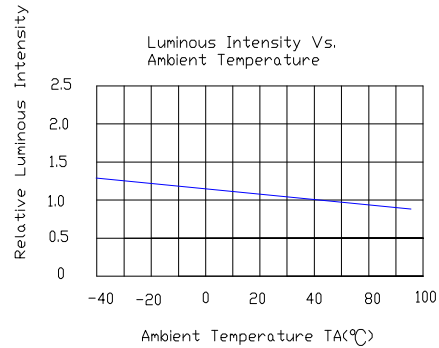
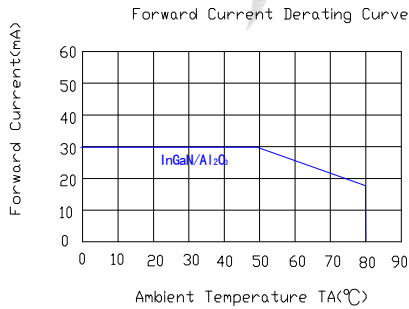
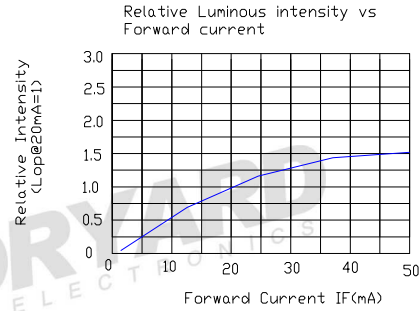
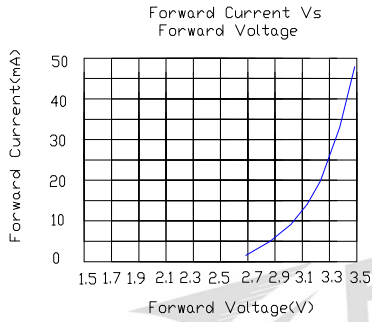
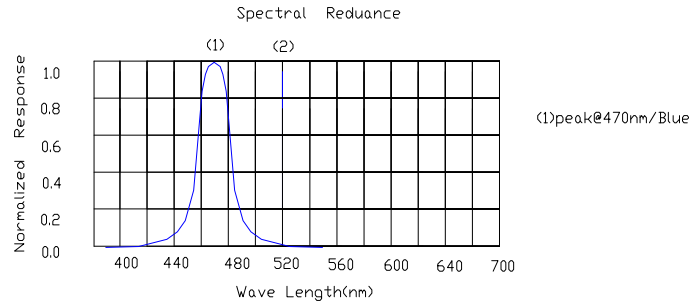
■ Electrical and optical characteristics(Ta=25 ° c)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition |
|--------------------------|-------------------|------|------|------|------|----------------------|
| Luminous Intensity | I_v | - | 1000 | - | mcd | I _F =20mA |
| Viewing Angle | 2θ _{1/2} | X | 45 | - | Deg | |
| | | Y | 80 | - | | |
| Peak Emission Wavelength | λ _p | - | 470 | - | nm | |
| Dominant Wavelength | λ _d | 464 | 468 | 474 | nm | |
| Spectral Line Half-Width | Δλ | - | 30 | - | nm | |
| Forward Voltage | V _F | 2.8 | 3.2 | 3.6 | V | |
| Reverse Current | I _R | | | 10 | μA | V _R =5V |

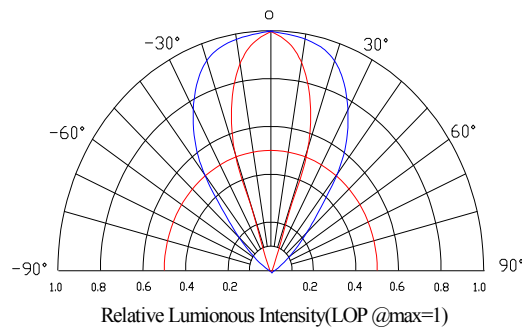
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■ Typical Electrical Characteristics Curves

(25 °c Ambient Temperature Unless Otherwise Noted)

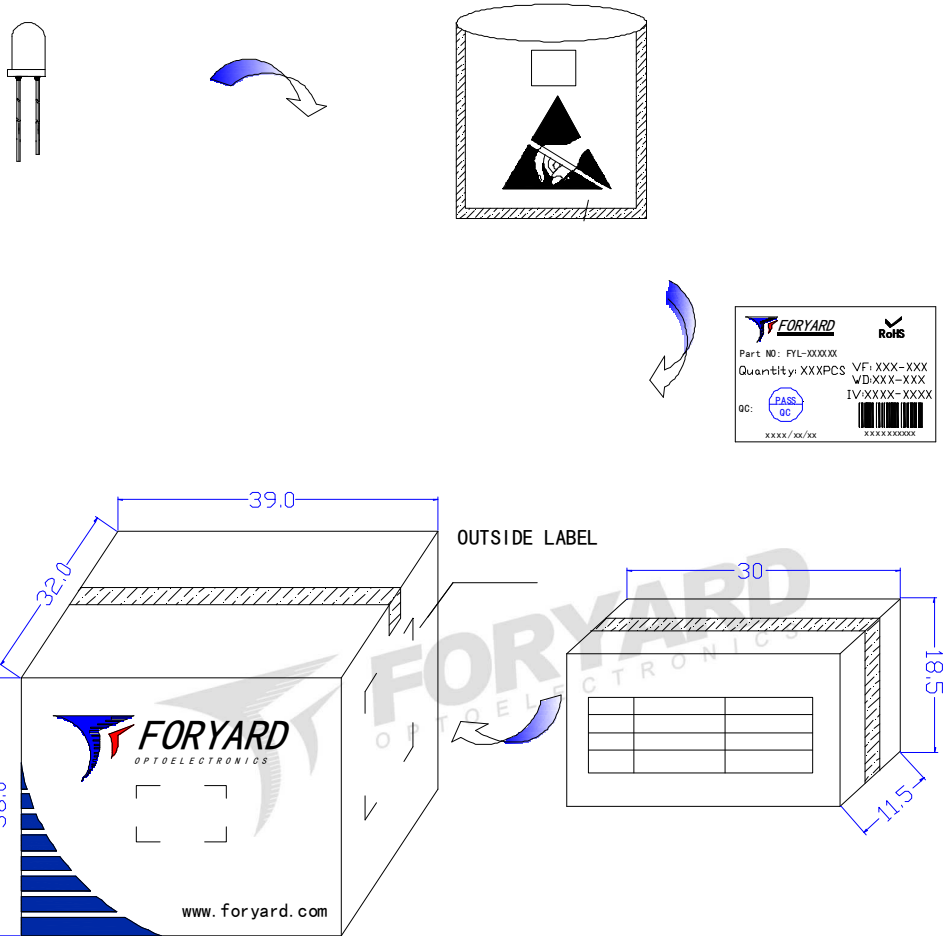


Radiation pattern.



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■ LAMP PACKING.





LED
 PN: FYL-xxxxxxx-xx
 Qty: XXXXX PCS
 Date: xxxx/xx/xx
 GW: xx KG QC: 
 NW: xx KG

 XXXXXXXXXXXX

OUTSIDE LABEL