FORYARD
OPTOELECTRONICS

# LED LAMP

## FYL-3014VRC1Z

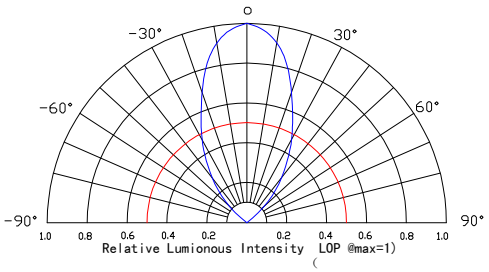
### Features:

- High instensity
- General purpose leads
- RoHs Complant.

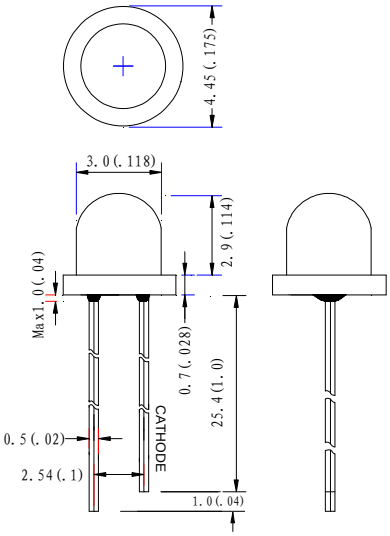
### Descriptions:

- Dice material: InGaN.
- Emitting Color: Pink.
- Device Outline: Φ3.0mm Round Type.
- Lens Type: Water clear.

### Radiation pattern.




### Package configuration




- All dimensions are millimeters (inches)
- Tolerance is ±0.25mm(.010") unless otherwise noted.

### Absolute maximun ratings(Ta=25 °c)

| Parameter | MAX. | Unit |
|---|---|---|
| Power Dissipation | 70 | mW |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100 | mA |
| Continuous Forward Current | 20 | mA |
| Derating Linear From 50℃ | 0.4 | mA/℃ |
| Reverse Voltage | 5 | V |
| Electrostatic Discharge (ESD) | 500 | V |
| Operating Temperature Range | -30℃ to +80℃ | |
| Storage Temperature Range | -40℃ to +100℃ | |
| Lead Soldering Temperature[4mm(.157") From Body] | 260℃ for 5 Seconds | |

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

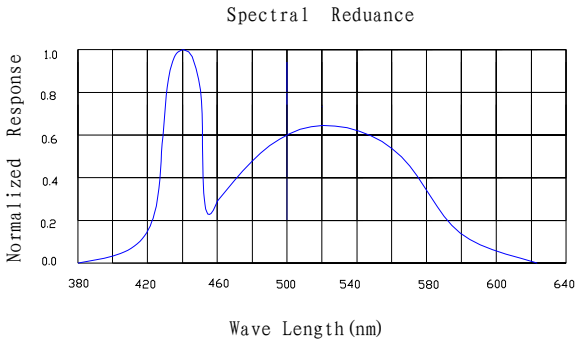
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition |
|---|---|---|---|---|---|---|
| Luminous Intensity | $I_V$ | – | 250 | – | mcd | $I_F$=20mA |
| Viewing Angle | $2\theta_{1/2}$ | 55 | 60 | 65 | Deg | |
| Chromaticiyt coordinates | x | | 0．40 | | | |
| | y | | 0．20 | | | |
| Forward Voltage | $V_F$ | 2.8 | 3.0 | 3.6 | V | |
| Reverse Current | $I_R$ | | | 20 | μA | $V_R$=5V |

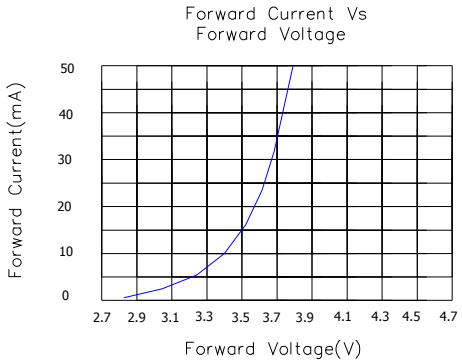

115 QiXin Road, NingBo, Zhejiang, China 315051
TEL:86-574-87927870, 87933652 FAX:86-574-87927917
E-mail:sales@foryard.com http://www.foryard.com

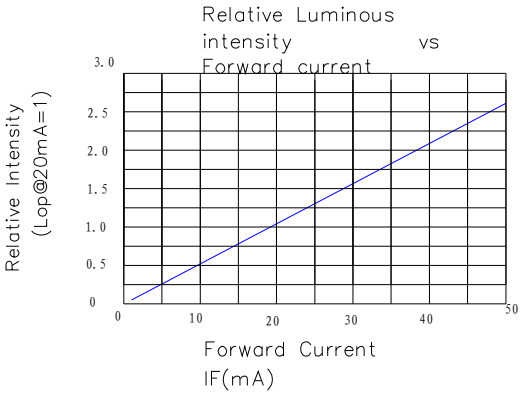
FORYARD
OPTOELECTRONICS

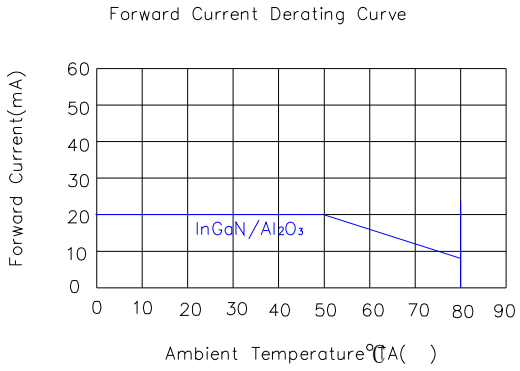
# LED LAMP

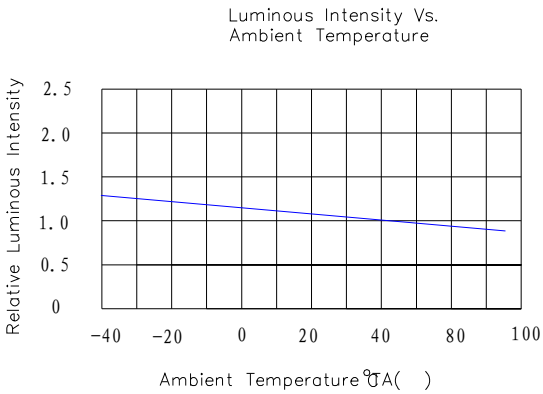
## Typical Electrical Characteristics Curves
## (25 ˚c Ambient Temperature Unless Otherwise Noted)



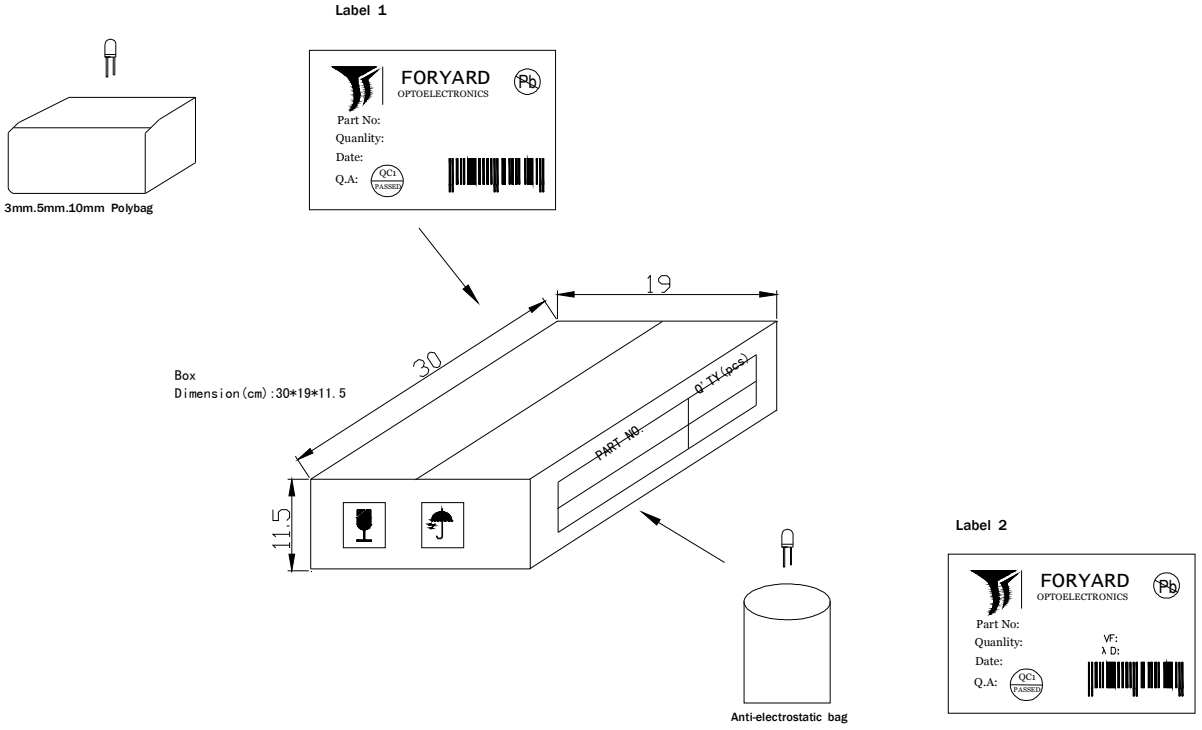




115 QiXin Road, NingBo, Zhejiang, China 315051
TEL:86-574-87927870, 87933652 FAX:86-574-87927917
E-mail:sales@foryard.com http://www.foryard.com

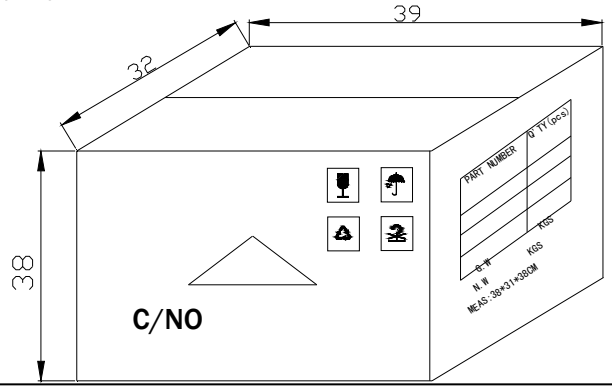
# LED LAMP

## LAMP PACKING.




| DEVICE | QTY/polybag(pcs) | Polybag/box A | Fig |
|---|---|---|---|
| 5mm(T-1 3/4) | 1000 | 8 bags | Label 1 |
| 3mm(T-1 ) | 1000 | 10 bags | Label 1 |
| 10mm(T-1) | 250 | 8 bags | Label 1 |
| Blue/Green/White | 500pcs | 8 bags | Label 2 |

CARTON
Dimension(cm):39*32*38




6 Boxes/Carton
5mm:48,000pcs
3mm:60,000pcs
10mm:12,000pcs
Blue/Pure Green/bluish Green /White:24,000pcs

115 QiXin Road, NingBo, Zhejiang, China 315051
TEL:86-574-87927870, 87933652 FAX:86-574-87927917
E-mail:sales@foryard.com http://www.foryard.com