

# SNOWDRAGON INDUSTRIAL CO.,LTD

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## SPECIFICATION FOR APPROVAL

**Customer:**

**Product Name:** 3W UV LED – 1 Chip

**Version number:**

**Deliver date:** 2011-05-09

### Product confirm and sign

APPROVED BY

Manufacture

APPROVED BY

VW

V

### Customer confirm and sign

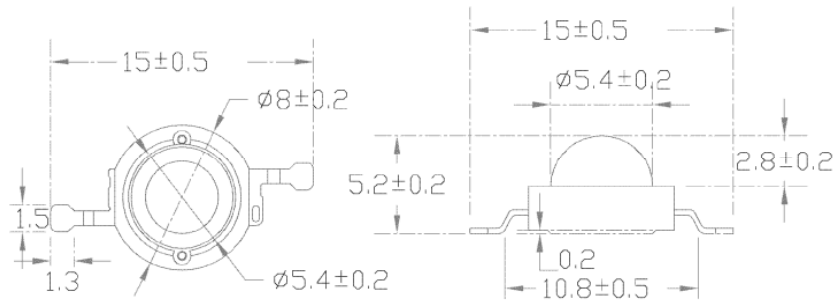
TESTED BY

CHECKED BY

APPROVED BY

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## ● Package Dimensions

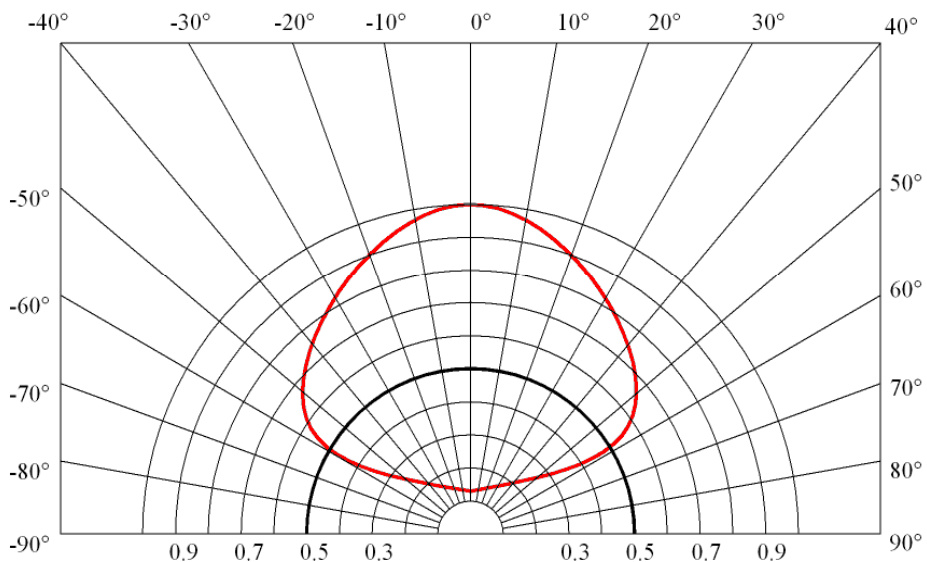


### Dimension (mm)

#### Notes

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25$ mm(0.010") unless otherwise noted.
3. Protruded resin under flange is 1.0mm(0.04") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

## ● Spatial Distribution



● **Electrical / Optical Characteristics at TA=25°C**

| Parameter           | Symbol         | Min. | Typ. | Max. | Unit      | Test Condition |
|---------------------|----------------|------|------|------|-----------|----------------|
| Luminous Intensity  | $\phi$         | 2    | 3    | 4    | <b>Lm</b> | IF =750mA      |
| Viewing Angle       | 2 $\theta$ 1/2 | 105  | 110  | 120  | deg       | IF =750mA      |
| Dominant Wavelength | <b>WL</b>      | 400  | 405  | 410  | <b>nm</b> | IF =750mA      |
| Forward Voltage     | vF             | 3.6  | 3.8  | 4.0  | v         | IF =750mA      |
| Reverse Current     | IR             | 0    |      | 10   | <b>uA</b> | IF =750mA      |

● **Absolute Maximum Ratings at TA=25°C**

| Parameter  | Maximum Rating      |
|--|---------------------|
| Power Dissipation  | 3W                  |
| Peak Forward Current(1/10 Duty Cycle, 0.1ms Pulse Width) | 2000mA              |
| Continuous Forward Current                               | 750mA               |
| Derating Linear From 30°C                                | 0.07mA/°C           |
| Reverse Voltage  | 5V                  |
| Operating Temperature Range                              | -20°C to + 80°C     |
| Storage Temperature Range                                | -30°C to + 100°C    |
| Lead Soldering Temperature<br>[1.6mm(.063") From Body]   | 260°C for 5 Seconds |