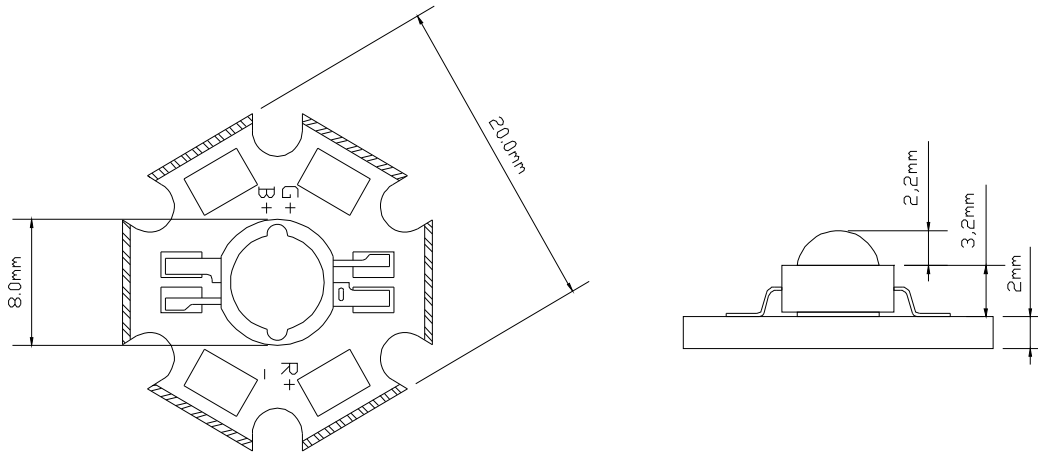


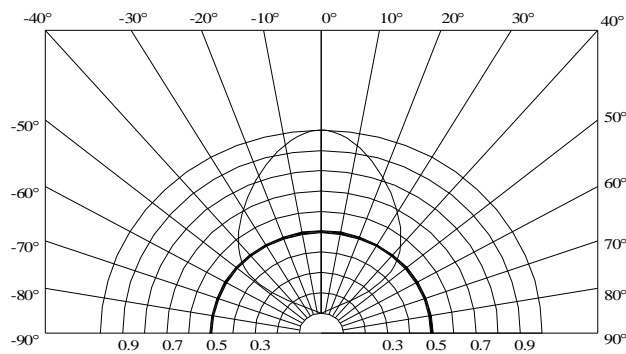
# Snow Dragon Industrial Co., Ltd

## Package Dimensions



1. All dimensions are in millimeters (mm).
2. Tolerance is  $\pm 0.25\text{mm}$  unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.

## Spatial Distribution



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## Electrical / Optical Characteristics at TA=25°C

| Parameter                | Symbol    | Min. | Typ. | Max. | Unit    | Test Condition |
|--------------------------|-----------|------|------|------|---------|----------------|
| Luminous Intensity       | $\Phi/R$  | 15   | 17.5 | 20   | lm      | IF = 150mA     |
|                          | $\Phi/G$  | 15   | 18   | 20   | lm      | IF = 120mA     |
|                          | $\Phi/B$  | 5    | 8    | 10   | lm      | IF = 120mA     |
| Viewing Angle            | $2\theta$ | 115  | 120  | 125  | deg     | IF = 150/120mA |
| Spectral Line Half-Width | WLD/R     | 620  | 625  | 630  | nm      | IF = 150mA     |
|                          | WLD/G     | 520  | 525  | 530  | nm      | IF = 120mA     |
|                          | WLD/B     | 460  | 465  | 470  | nm      | IF = 120mA     |
| Forward Voltage          | VF/R      | 2.0  | 2.3  | 2.5  | V       | IF = 150mA     |
|                          | VF/G      | 3.2  | 3.5  | 3.8  | V       | IF = 120mA     |
|                          | VF/B      | 3.2  | 3.5  | 3.8  | V       | IF = 120mA     |
| Reverse Current          | IR        |      |      | 20   | $\mu A$ | VR = 5V        |

## Absolute Maximum Ratings at TA=25°C

| Parameter  | Maximum Rating      |
|--|---------------------|
| Power Dissipation  | 1.5W                |
| Peak Forward Current<br>(1/10 Duty Cycle, 0.1ms Pulse Width) | 500mA               |
| Continuous Forward Current                                   | 150/120mA           |
| Reverse Voltage  | 5V                  |
| Operating Temperature Range                                  | -20°C to + 60°C     |
| Storage Temperature Range                                    | -20°C to + 60°C     |
| Lead Soldering Temperature<br>[1.6mm(.063") From Body]       | 260°C for 5 Seconds |

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