

Selection Guide

| Part No. | Dice | Lens Type | Iv (mcd) V=28V | | Viewing Angle |
|-----------------|-------------------------------|-------------|-------------------|------|------------------|
| | | | Min. | Typ. | 201/2 |
| BLB102SYC-28V-P | SUPER BRIGHT YELLOW (InGaAlP) | WATER CLEAR | 380 | 600 | 40° |

Note:

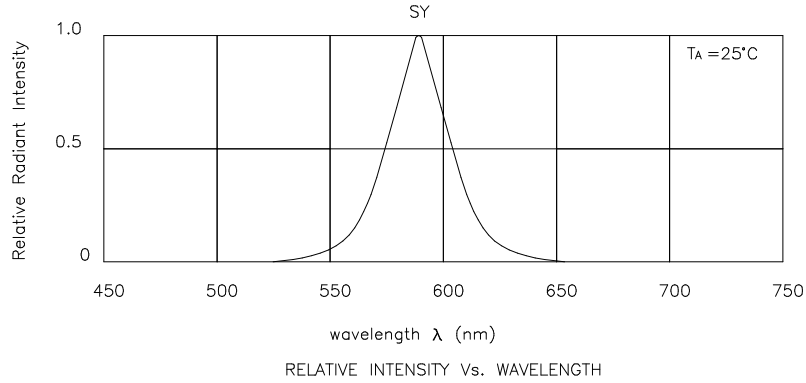
1. 01/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-----------------------|--------------------------|---------------------|------|------|-------|---------------------------|
| λ_{peak} | Peak Wavelength | Super Bright Yellow | 590 | - | nm | V _F =28V |
| λ_D | Dominate Wavelength | Super Bright Yellow | 588 | - | nm | V _F =28V |
| $\Delta\lambda_{1/2}$ | Spectral Line Half-width | Super Bright Yellow | 28 | - | nm | V _F =28V |
| I _F | Forward Current | Super Bright Yellow | 10.5 | - | mA | V _F =28V |
| C | Capacitance | Super Bright Yellow | 25 | - | pF | V _F =0V;f=1MHz |
| I _R | Reverse Current | Super Bright Yellow | - | 10 | uA | V _R = 5V |

Absolute Maximum Ratings at T_A=25°C

| Parameter | Super Bright Yellow | Units |
|-----------------------|---------------------|-------|
| Power Dissipation | 400 | mW |
| Forward Voltage | 30 | V |
| Reverse Voltage | 5 | V |
| Operating Temperature | -40°C To +70°C | |
| Storage Temperature | -40°C To +85°C | |



Super Bright Yellow

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