

|                   |                     |
|-------------------|---------------------|
| BLFA064SYCK-6V-N  | SUPER BRIGHT YELLOW |
| BLFA064SYCK-12V-N | SUPER BRIGHT YELLOW |
| BLFA064SYCK-28V-N | SUPER BRIGHT YELLOW |

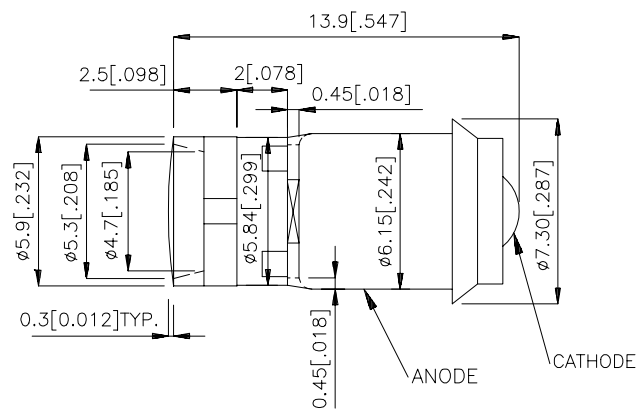
## Features

- BUILT-IN CURRENT LIMITING RESISTOR FOR DIRECT APPLICATION OF DIFFERENT ACROSS CURRENT.
- LONG LIFE.
- LOW CURRENT, POWER SAVINGS.
- LOW MAINTENANCE.
- DIFFERENT COLOR AVAILABLE.
- SOLID STATE, HIGH VIBRATION RESISTANT.

### Description

The Super Bright Yellow source color devices are made with DH InGaAlP on GaAs substrate Light Emitting Diode.

## Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

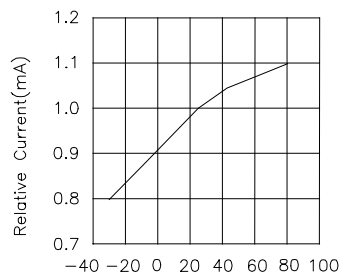
## Selection Guide

| Part No.              | Circuit Rating Volts | Power (W) Typ. | Circuit Voltage  |      | Current I <sub>F</sub> (mA) Typ. | λD (nm) | Dice                          | Lens Type   | I <sub>v</sub> (mcd)<br>V=6V,V=12V<br>V=28V |      | Viewing Angle |
|-----------------------|----------------------|----------------|------------------|------|----------------------------------|---------|-------------------------------|-------------|---------------------------------------------|------|---------------|
|                       |                      |                | Min.             | Max. |                                  |         |                               |             | Min.                                        | Typ. |               |
| BLFA064SYCK-6V-N      | 6V                   | 0.12           | 5                | 8    | 20                               | 590     | SUPER BRIGHT YELLOW (InGaAlP) | WATER CLEAR | 50                                          | 120  | 110°          |
| BLFA064SYCK-12V-N     | 12V                  | 0.12           | 10               | 14   | 10                               |         |                               |             |                                             |      |               |
| BLFA064SYCK-28V-N     | 28V                  | 0.28           | 26               | 30   |                                  |         |                               |             |                                             |      |               |
| Operating Temperature |                      |                | - 30°C to +80°C  |      |                                  |         |                               |             |                                             |      |               |
| Storage Temperature   |                      |                | - 40°C to +100°C |      |                                  |         |                               |             |                                             |      |               |

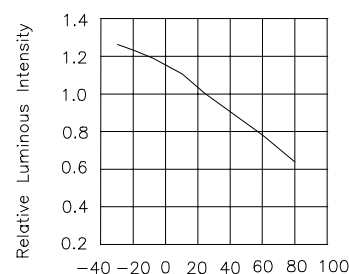
Note:

1.  $\theta_{1/2}$  is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

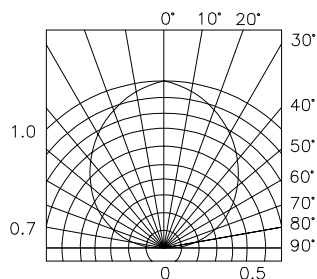
## Super Bright Yellow BLFA064SYCK-6V-N, BLFA064SYCK-12V-N, BLFA064SYCK-28V-N



Ambient Temperature  $T_A$  (°C)  
AMBIENT TEMPERATURE Vs.  
RELATIVE CURRENT



Ambient Temperature  $T_A$  (°C)  
AMBIENT TEMPERATURE Vs.  
RELATIVE LUMINOUS INTENSITY



SPATIAL DISTRIBUTION