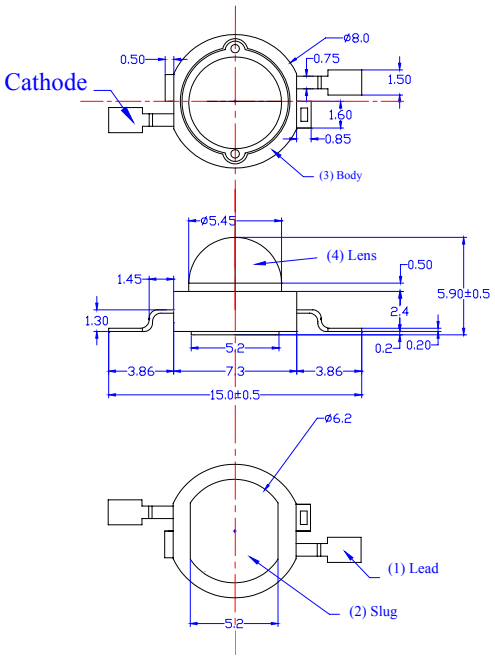
SYC SEMICONDUCTORES Y COMPONENTES

# LED-030-25074






## Features：

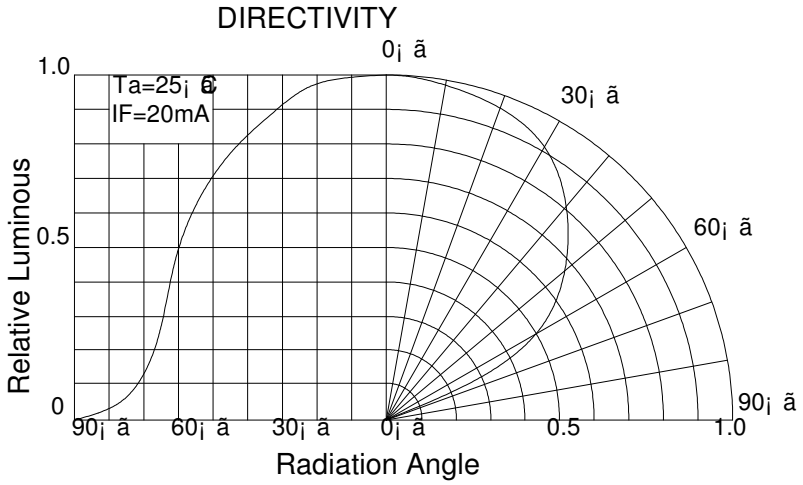
- Highest Flux RED
- High reliability and Very long operating life (up to 100K hours)
- Low voltage DC operated
- More Energy Efficient than Incandescent and most Halogen lamps
- NO UV
- Superior ESD protection

## Typical Applications：

- Decorative
- Portable(flashlight,bicycle)
- Automotive Exterior(Stop-Tail-Turn, CHMSL,Mirror Side Repeat)
-

**NOTE:**

- All dimensions are millimetres.
- Tolerance is ±0.1mm unless otherivise noted



## Absolute maximum ratings（Ta = 25℃）

| Parameter | Symbol | Test Condition | Value | | Unit |
|---|---|---|---|---|---|
| | | | Min. | Max. | |
| DC Forward Current | IF | ---- | ---- | 350 | mA |
| Peak Pulse Current | Ipeak | Duty=0.1mS，1kHz | ---- | 500 | mA |
| Power Dissipation | Pd | ---- | ---- | 0.98 | W |
| LED Junction Temperature | Tj | ---- | | 120 | ℃ |
| Operating Temperature | Topr | ---- | -25 | +100 | ℃ |
| Storage Temperature | Tstr | ---- | -40 | +120 | ℃ |
| ESD Sensitivity | --- | HBM | 8000 | --- | V |
| Soldering Temperature | --- | ----- | 260℃ for 5 Seconds max | | |

## Electrical and optical characteristics （Ta = 25℃）

| Parameter | Symbol | Test Condition | Value | | | Unit |
|---|---|---|---|---|---|---|
| | | | Min. | Typ. | Max. | |
| Forward Voltage | VF | IF = 350mA | ---- | 2.5 | 2.8 | V |
| Luminous Flux | Φv | IF = 350mA | 5 | 10 | 15 | lm |
| Viewing Angle | 2θ1/2 | IF = 350mA | ---- | 120 | ---- | Deg. |
| Dominant Wavelength | λd | IF = 350mA | 620 | ---- | 630 | nm |

## Luminous Flux Bins（Ta = 25℃） Unit:lm

| Bin | B | C | D | E | F | G |
|---|---|---|---|---|---|---|
| Min | 5 | 10 | 15 | 20 | 25 | 30 |
| Max | 10 | 15 | 20 | 25 | 30 | 40 |

## Dominant Wavelength- $\lambda_d$（Ta = 25℃） Unit: nm

| Bin | A | V | O | U | | |
|---|---|---|---|---|---|---|
| Min | 600- | 610- | 620- | 630 | | |
| Max | 610 | 620 | 630 | 640 | | |

## Typical electrical/optical characteristic curves：

