

# BEELED

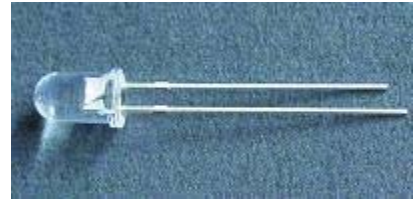
## BEELED -

---

**MODEL: 5034R1C-CSC-C**

### Features

- High efficiency
- Low Power consumption
- General purpose leads
- Selected minimum intensities
- Available on tape and reel
- Pb free



### Descriptions

- The series is specially designed for applications requiring higher brightness
- The LED lamps are available with different colors, intensities, epoxy colors, etc
- Superior performance in outdoor environment

### Usage Notes:

- Surge will damage the LED
- When using LED, it must use a protective resistor in series with DC current about 20mA

### Applications

- Status indicators
- Commercial use
- Advertising Signs
- Back lighting

# BEELED

## BEELED -

**MODEL: 5034R1C-CSC-C**

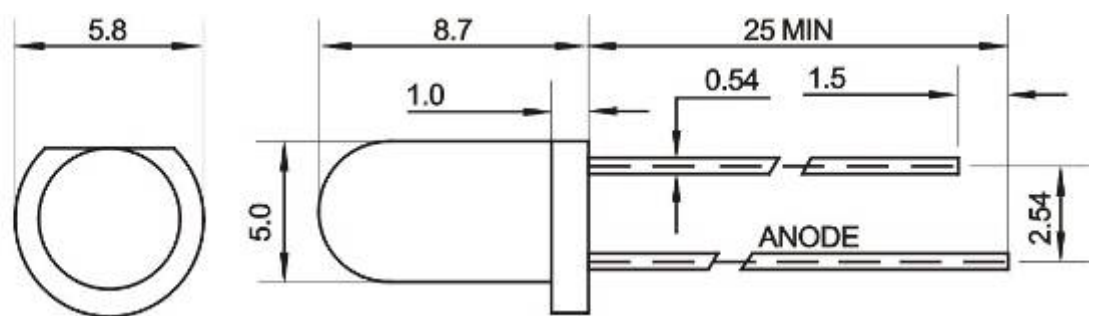
### Device Selection Guide

LED Part No.	Chip		Lens Color	Iv(mcd)@20mA		Viewing Angle
	Material	Emitted Color		Min.	Max.	2θ1/2
5034R1C-CSC-C	AlGaInP	Red	Water clear	3000	5000	25-30

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

### Package Dimensions



UNIT:mm

### Notes:

- \* All dimensions are in millimeters.
- \* Tolerance is  $\pm 0.25$  unless otherwise noted.
- \* Specifications are subject to change without notice.



## BEELED -

**MODEL: 5034R1C-CSC-C**

### Absolute Maximum Rating ( $T_a=25^{\circ}\text{C}$ )

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Pulse Current (1/10 Duty Cycle, 0.1ms Pulse Width.)	$I_{FPM}$	70	mA
Forward Current	$I_{FM}$	25	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	125	mW
Operating Temperature	$T_{opr}$	-40~+80	$^{\circ}\text{C}$
Storage Temperature	$T_{stg}$	-40~+100	$^{\circ}\text{C}$
Lead Solder Temperature (2mm below package base.)	$T_{sol}$	260 $^{\circ}\text{C}$ for 3 seconds	$^{\circ}\text{C}$

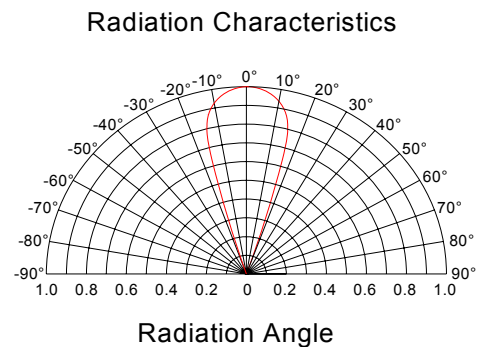
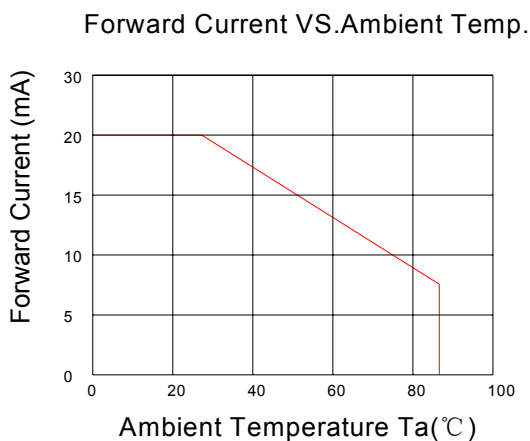
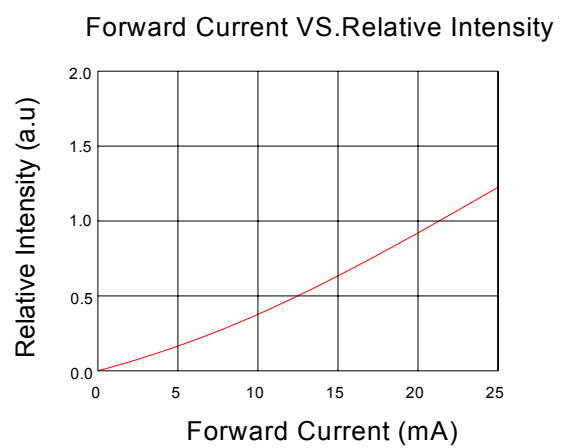
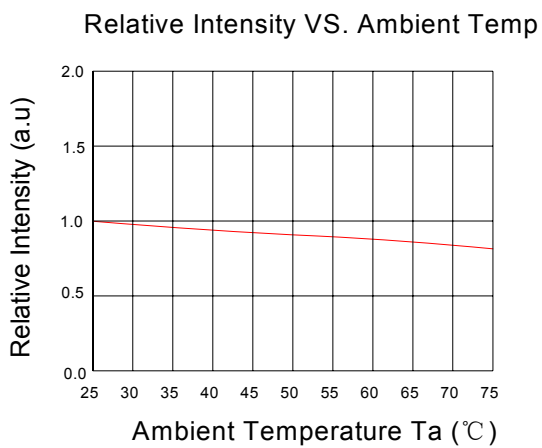
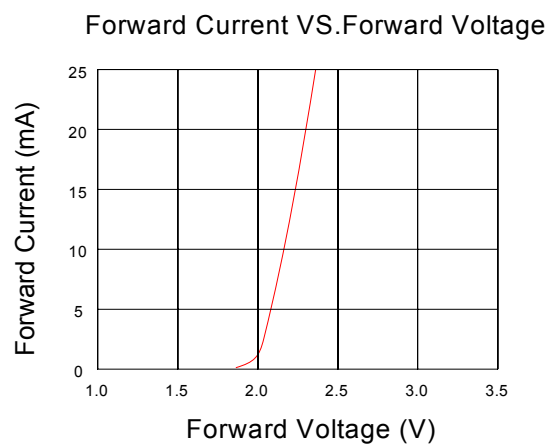
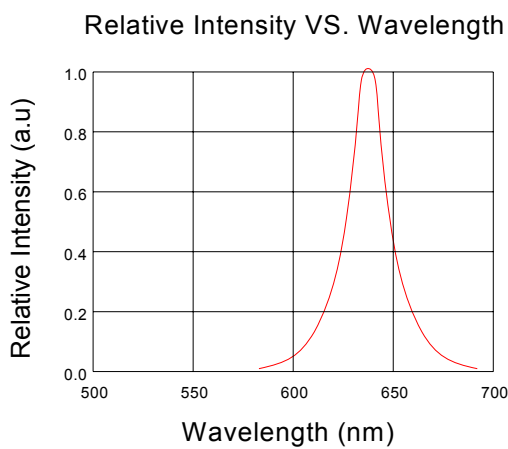
### Electro-Optical Characteristics ( $T_a=25^{\circ}\text{C}$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Peak Emission Wavelength	$\lambda_p$	620	---	635	nm	$I_F=20\text{mA}$
Forward Voltage	$V_F$	1.9	---	2.3	V	$I_F=20\text{mA}$
Reverse Current	$I_R$	---	---	10	$\mu\text{A}$	$V_R=5\text{V}$

#### Note:

- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- $\theta_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

### Typical Electro-Optical Characteristics Curves





BEELED -

---

MODEL: 5034R1C-CSC-C

1. . BEELED

2. BEELED

3. BEELED BEELED.