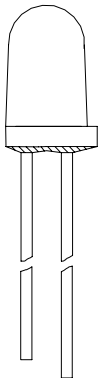


- Features:
- High intensity
 - Water clear epoxy
 - Range of colours

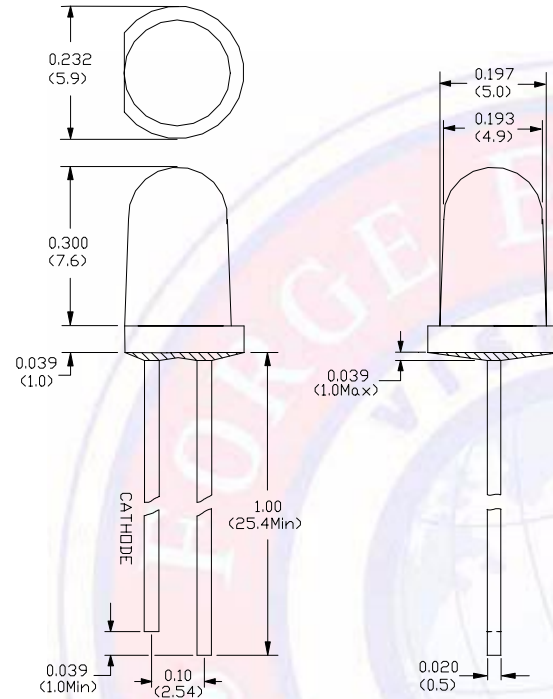
- Available options:
- Flangeless Package

Electro / Optical Characteristics $I_F = 20 \text{ mA}$ $T_a = 25^\circ \text{ C}$

Lamp Package	Part Number	Emitting Colour	Epoxy Type	Die Material	Wavelength		Forward Voltage V_F		Luminous intensity I_V		Viewing \angle $2\theta_{1/2}$
					Peak λ_p	Dominant λ_d	typical	max	min	typical	
	FNL-U501R078WCSL	Red	WC	AlGaInP	632	624	2.00	2.40	-	2620	25
	FNL-U501R2110WCSL	Red	WC	AlGaInP	632	624	2.10	2.50	-	3400	25
	FNL-U501R2112WCSL	Red	WC	AlGaInP	632	624	2.10	2.50	-	4710	25
	FNL-U501O0810WCSL	Orange	WC	AlGaInP	621	615	2.10	2.40	-	2480	25
	FNL-U501O0812WCSL	Orange	WC	AlGaInP	621	615	2.10	2.40	-	3440	25
	FNL-U501O038WCSL	Orange	WC	AlGaInP	611	605	2.00	2.40	-	1910	25
	FNL-U501Y048WCSL	Yellow	WC	AlGaInP	591	589	2.00	2.40	-	2600	25
	FNL-U501Y1510WCSL	Yellow	WC	AlGaInP	591	589	2.10	2.50	-	3380	25
	FNL-U501Y1512WCSL	Yellow	WC	AlGaInP	591	589	2.10	2.50	-	4680	25
	FNL-U501G03WCSL	Green	WC	InGaN/SiC	518	525	3.70	4.20	-	2520	25
	FNL-U501G16WCSL	Green	WC	InGaN/SiC	518	527	3.85	4.00	-	5670	25
	FNL-U501G06WCSL	Green	WC	InGaN/SiC	502	505	3.70	4.20	-	3090	25
	FNL-U501G11WCSL	Green	WC	InGaN/SiC	502	505	3.80	4.00	-	5670	25
	FNL-U501B07WCSL	Blue	WC	InGaN/SiC	488	490	3.70	4.20	-	2100	25
	FNL-U501B03WCSL	Blue	WC	InGaN/SiC	468	470	3.70	4.20	-	1010	25
	FNL-U501B12WCSL	Blue	WC	InGaN/SiC	468	470	3.75	4.00	-	1970	25
	FNL-U501B17WCSL	Blue	WC	InGaN/SiC	-	470 \pm 5	3.50	3.80	-	2660	25
	FNL-U501B06WCSL	Blue	WC	InGaN/SiC	458	460	3.70	4.20	-	840	25
FNL-U501B11WCSL	Blue	WC	InGaN/SiC	458	460	3.75	4.00	-	1340	25	
FNL-U501B15WCSL	Blue	WC	InGaN/SiC	-	460 \pm 5	3.50	3.80	-	1675	25	
5.0 mm	Units				nm		V		mcd		deg

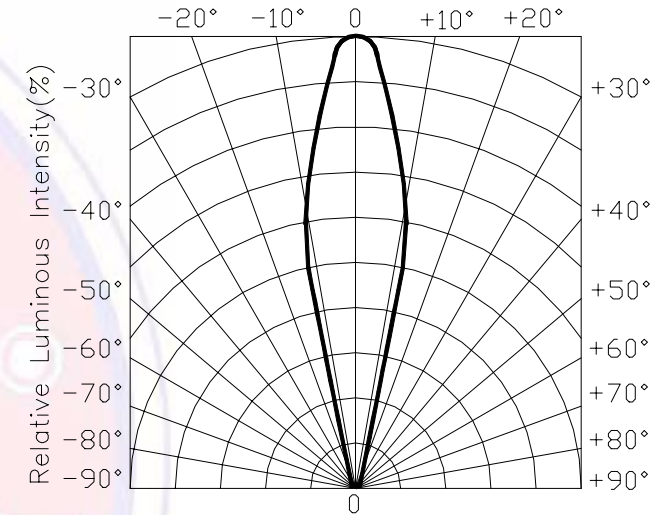
Package Outline

Dimensions in mm
Tol ± 0.25 mm
unless stated



Radiation Diagram

$T_a = 25^\circ\text{C}$



Maximum Ratings $T_a = 25^\circ\text{C}$ (Derate above 25°C)

Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle @ 1KHz	I_{FP}	100	mA
DC Forward Current		I_F	50	mA
Reverse Voltage	$I_R = 10 \mu\text{A}$	V_R	10	V
Pulse Forward Current	0.1 duty cycle @ 1KHz	I_{FP}	100	mA
DC Forward Current		I_F	30	mA
Reverse Voltage	$I_R = 10 \mu\text{A}$	V_R	5	V
Operating Temperature		T_{opr}	- 20 to + 80	$^\circ\text{C}$
Storage Temperature		T_{stg}	- 20 to + 100	$^\circ\text{C}$
Lead soldering temperature	1.6 mm from body - max. 3 seconds		240	$^\circ\text{C}$

Note:

Industry standard procedures regarding static must be observed when handling product with InGaN/SiC die.

WARNING

This range of LEDs is produced with die having a high radiant flux. Care must be taken when viewing the product at close range as the light may be intense enough to cause damage to the human eye.