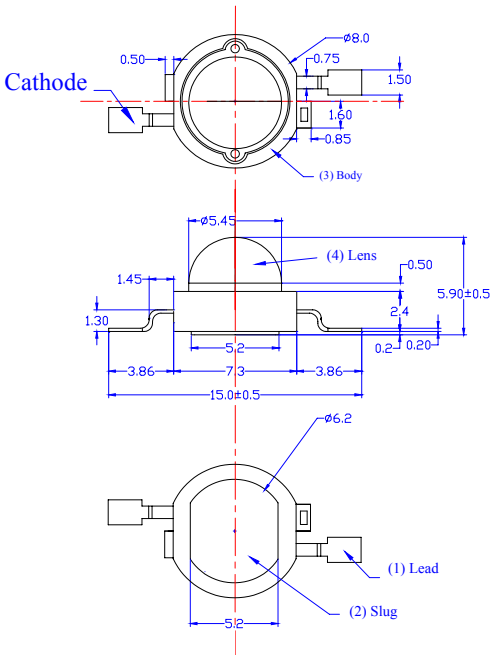
EMITTER Ⅰ

Part No.: E12LR2C





Features:

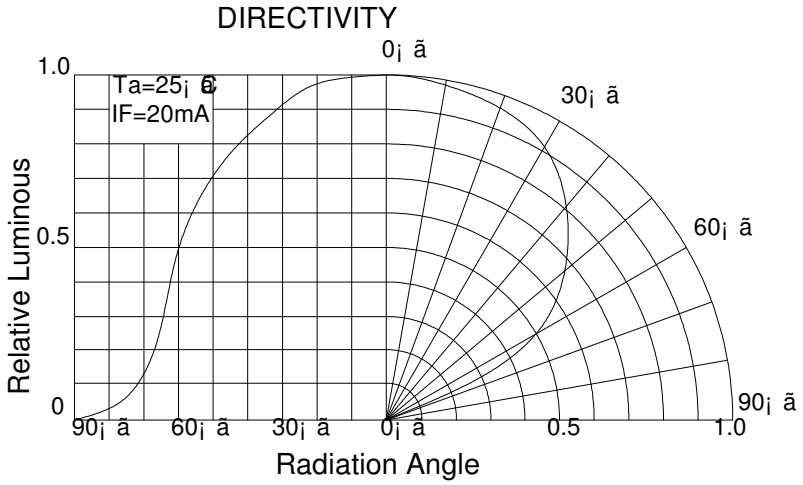
- Highest Flux RED
- High reliability and Very long operating life (up to 100K hours)
- Low voltage DC operated
- More Energy Efficient than Incandescent and most Halogen lamps
- NO UV
- Superior ESD protection

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



Part No.: E12LR2C

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- λ_d（Ta = 25℃） Unit: nm

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

Part No.: E12LR2C

Typical electrical/optical characteristic curves:

