SYC SEMICONDUCTORES Y COMPONENTES

LED-030-40075

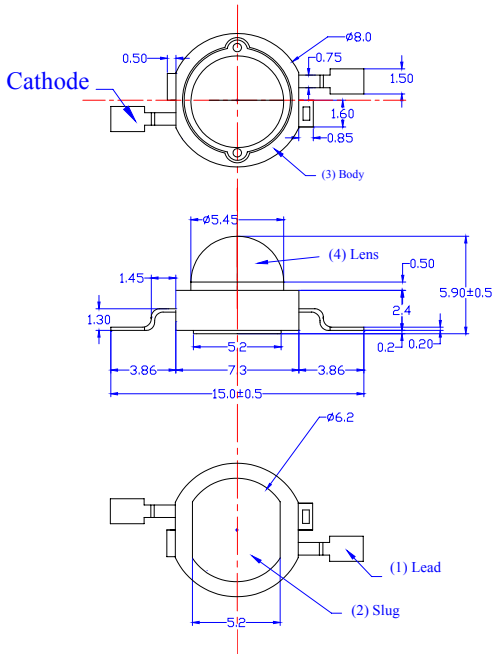


Features：

- Highest Flux Yellow (Amber)
- 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

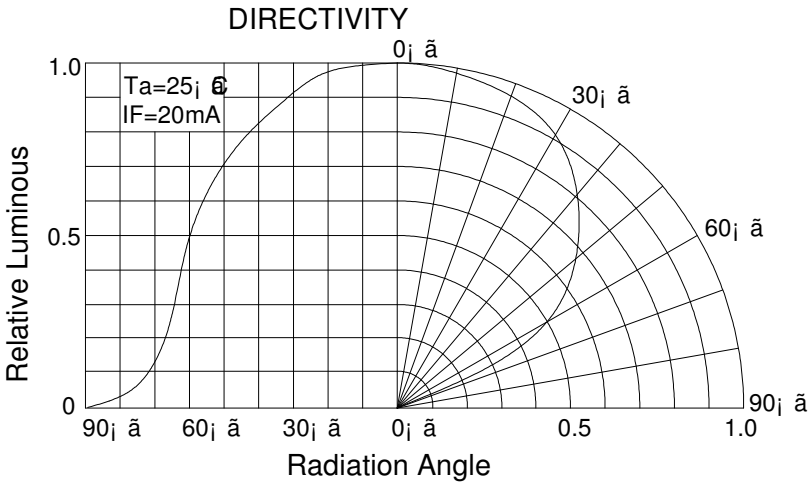
Typical Applications：

- Reading lights(car,bus,aircraft)
- Portable(flashlight,bicycle)
- Automotive Exterior(Stop-Tail-Turn, CHMSL,Mirror Side Repeat)
- Decorative



NOTE:

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



Part No.: E12GY9C

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	590	----	595	nm

Luminous Flux Bins（Ta = 25℃） Unit:lm

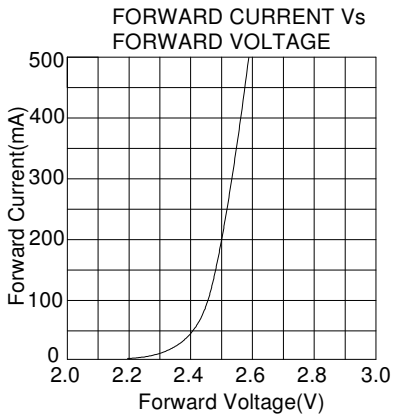
Bin	B	C	D	E	F	G
Min	5	10	15	20	25	30
Max	10	15	20	25	30	40

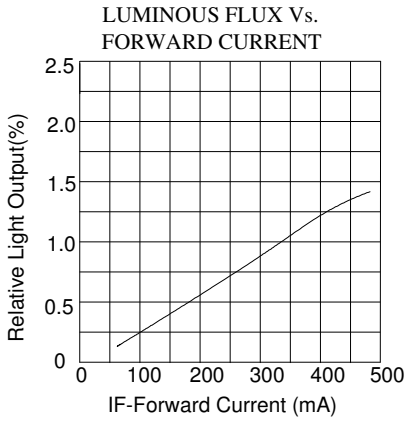
Dominant Wavelength- λ_d（Ta = 25℃） Unit: nm

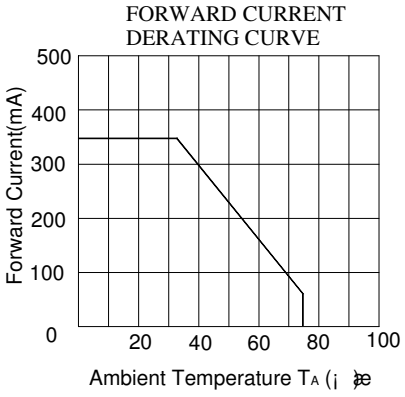
Bin	Q	R	S	T		
Min	580	585	590	595		
Max	585	590	595	600		

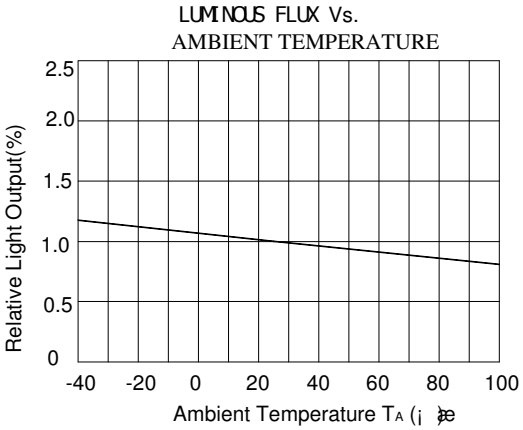
Part No.: E12GY9C

Typical electrical/optical characteristic curves:









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