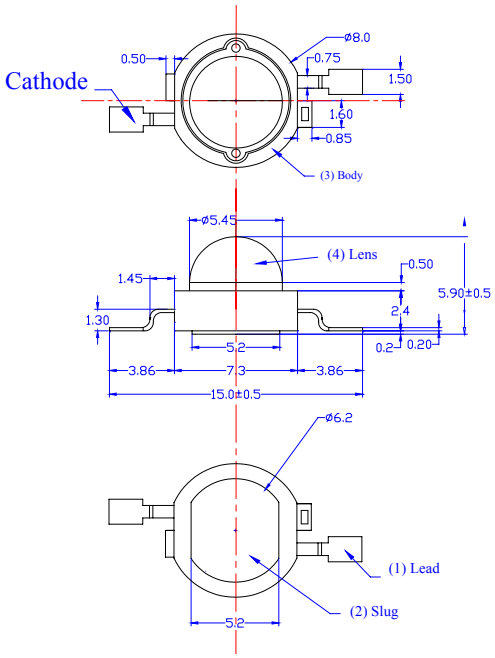
SYC SEMICONDUCTORES Y COMPONENTES



LED-030-45073



Features:

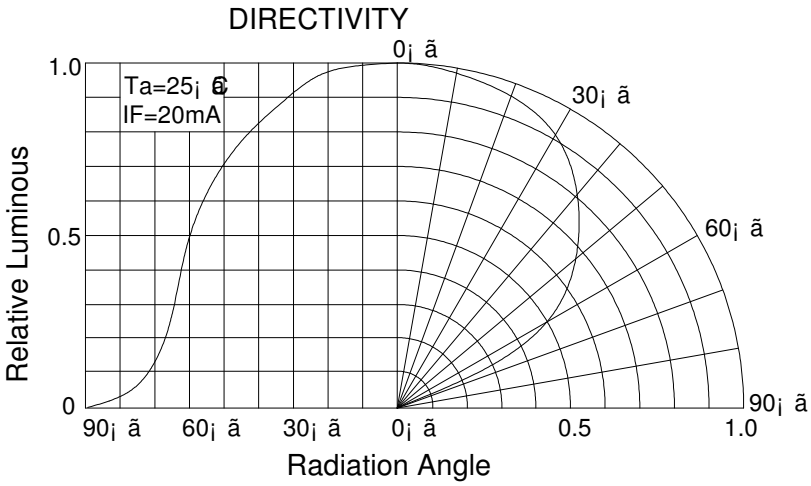
- Highest Flux Pure Green
- High reliability and Very long operating life (up to 100K hours)
- Low voltage DC operated
- More Energy Efficient than Incandescent and most Halogen lamps
- NO UV
- Superior ESD protection

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	----	----	1.4	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	----	3.5	4.0	V
Luminous Flux	Φv	IF = 350mA	15	18	20	lm
Viewing Angle	2θ1/2	IF = 350mA	----	120	----	Deg.
Dominant Wavelength	λd	IF = 350mA	520	----	530	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	B	M	P	N		
Min	500	510	520	530		
Max	510	520	530	540		

Typical electrical/optical characteristic curves：

