



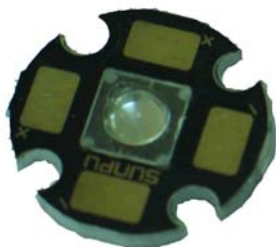
ISSUE NO:
DATE OF ISSUE:

SPECIFICATION FOR SUNPU OPTO HIGH POWER WHITE LED

Part No: SPA-DCW1

Customer: _____

PREPARED BY	CHECKED BY	APPROVED BY



Heat Slug is available in White, Bule, Cyan,
Green, Red, and Yellow.

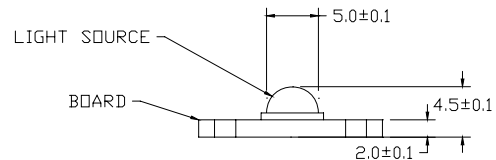
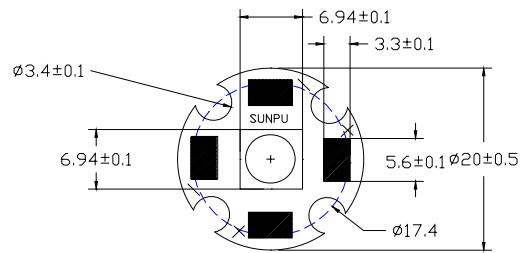


Features:

- Highest Flux White
- 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

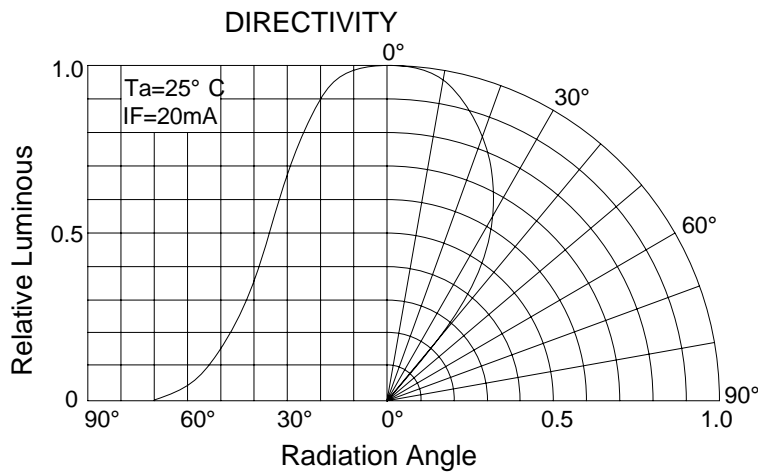
Typical Applications:

- 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 ± 0.1 mm unless otherwise noted





Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
DC Forward Current	IF	----	----	350	mA
Peak Pulse Current	Ipeak	Duty=0.1mS, 1kHz	----	800	mA
Power Dissipation	Pd	----	----	1.4	W
LED Junction Temperature	Tj	----		120	°C
Operating Temperature	Topr	----	-25	+100	°C
Storage Temperature	Tstr	----	-40	+120	°C
ESD Sensitivity	---	HBM	8000	---	V
Soldering Temperature	---	-----	260°C for 5 Seconds max		

Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	VF	IF = 350mA	----	3.5	4.0	V
Luminous Flux	Φv	IF = 350mA	20	35	-	lm
Viewing Angle	2 θ 1/2	IF = 350mA	----	70	----	Deg.
Color Temperature	CCT	IF = 350mA	8000	----	---	K

Luminous Flux Bins (Ta = 25°C)

Unit:lm

Bin	C	D	E	F	G	H
Min	10	15	20	25	30	40
Max	15	20	25	30	40	50

CCT Bins (Ta = 25°C)

Bin	W4	W5	W6	W7	W8	W9
Min	4500K	5000K	6000K	7000K	8000K	10000K
Max	5000K	6000K	7000K	8000K	10000K	15000K



Typical electrical/optical characteristic curves:

