

OS-Star-5W WARM WHITE 3000K

Features:

1. Highest Luminous Flux
2. Super Energy Efficiency
3. Long Lifetime Operation
4. Superior ESD protection
5. Superior UV Resistance

Applications:

1. Read lights (car, bus, aircraft)
2. Portable (flashlight, bicycle)
3. Bollards / Security / Garden
4. Traffic signaling / Beacons
5. In door / Out door Commercial lights
6. Automotive Ext

Absolute Maximum Ratings (Ta=25°C):

Parameter	Symbol	Value	Unit
DC Forward Current	I_F	800	mA
Pulse Forward Current*	I_{FP}	1000	mA
Reverse Voltage	V_R	10	V
Power Dissipation	P_D	6400	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260°C/5sec	°C

*Pulse width Max.10ms Duty ratio max 1/10

Electrical-Optical Characteristics (Ta=25°C)

Part Number	Color	V_F (V)			I_R (μ A)	CCT (K)	Luminous Flux Φ_V (lm)			λ_D (nm)			2 θ 1/2 (deg)
		Min	Typ	Max	Max	Typ	Min	Typ	Max	Min	Typ	Max	
		IF=700mA			$V_R=10V$	IF=700mA							
OS-5W	Warm White W4	6.5	7.0	8.0	10	3000	280	300	-	X=0.45, Y=0.41			140

NOTE: Don't drive at rated current more than 5s without heat sink for Xeon 3 emitter series.

Handling of Silicone Lens LEDs:

Notes for handling of silicone lens LEDs

- Please do not use a force of over 3kgf impact or pressure on the silicone lens, otherwise it will cause a catastrophic failure.
- The LEDs should only be picked up by making contact with the sides of the LED body.
- Avoid touching the silicone lens especially by sharp tools such as Tweezers.
- Avoid leaving fingerprints on the silicone lens.
- Please store the LEDs away from dusty areas or seal the product against dust.
- When populating boards in SMT production, there are basically no restrictions regarding the form of the pick and place nozzle, except that mechanical pressure on the silicone lens must be prevented.
- Please do not mold over the silicone lens with another resin (epoxy, urethane, etc)

Directivity:

