OptoSupply
Light It Up

Xeon 3 Power Pure White AC LED

OSWWX2E3E1E

VER.A.1

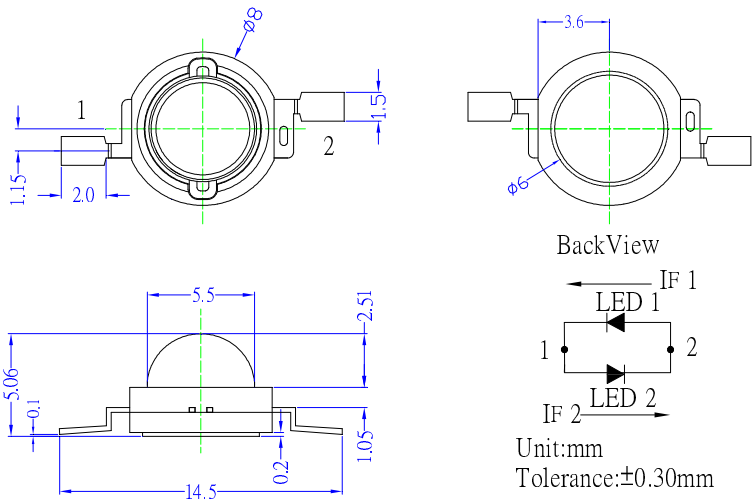
■Features

- Highest Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior ESD protection
- Superior UV Resistance

■Applications

- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- In door / Out door Commercial lights
- Automotive Ext

■Outline Dimension

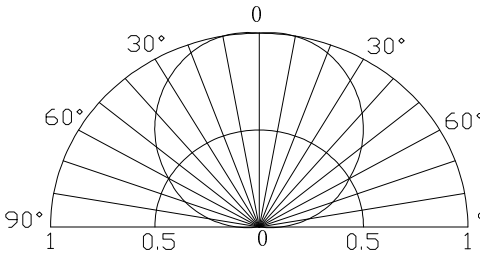


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		LED1	LED2	
DC Forward Current	I_F	800	800	mA
Pulse Forward Current*	I_{FP}	1000	1000	mA
Power Dissipation	P_D	3200	3200	mW
Operating Temperature	Topr	-30 ~ +85		℃
Storage Temperature	Tstg	-40~ +100		℃
Lead Soldering Temperature	Tsol	260℃/5sec		-

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

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Item	NO	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	LED1	V_{F1}	I_{F1}=700mA	3.3	3.5	4.0	V
	LED2	V_{F2}	I_{F2}=700mA	3.3	3.5	4.0	
Luminous Flux	LED1	Φv1	I_{F1}=700mA	180	200	-	lm
	LED2	Φv2	I_{F2}=700mA	180	200	-	
Color Temperature	LED	CCT	I_F=700mA	-	6500	-	K
Chromaticity Coordinates*	LED	x	I_F=700mA	-	0.31	-	-
		y	I_F=700mA	-	0.33	-	-
50% Power Angle	LED	$2\theta_{1/2}$	I_F=700mA	-	140	-	deg

Note: Don't drive at rated current more than 5s without heat sink for Xeon 5 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)