

## LED SPECIFICATION

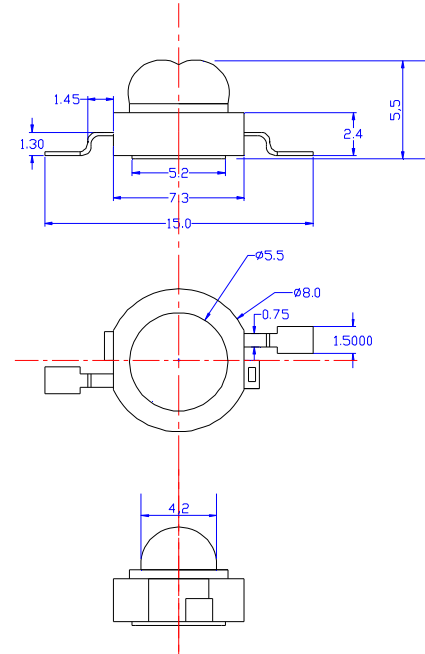
Part No.: **E12PW6C-O**

### Features:

- I Special LED to street lamp
- I High reliability and Very long operating life (up to 100K hours)
- I Can be though the reflow operation
- I More Energy Efficient than Incandescent and most Halogen lamps
- I NO UV
- I Superior ESD protection

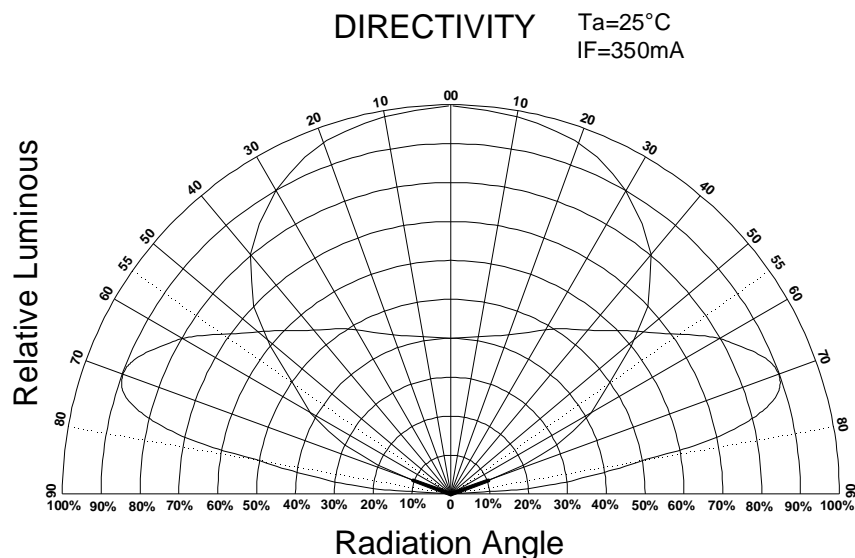
### Typical Applications:

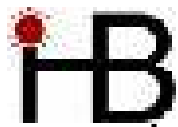
- I General illumination
- I Street lighting
- I Lighting for automotive, machine vision etc.



### NOTE:

- I All dimensions are millimeters.
- I Tolerance is  $\pm 0.25\text{mm}$  unless 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	----	500	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		60	70	----	lm
Viewing Angle	2 θ 1/2-X		----	100	----	Deg.
Viewing Angle	2 θ 1/2-Y		----	160	----	Deg.
Color Temperature	CCT		4500	----	10000	K
Chromaticity Coordinates	X,Y		----			----

**Luminous Flux Bins (Ta = 25°C)****Unit:lm**

Bin	J	K	L
Min	50	60	70
Max	60	70	80

**CCT Bins (Ta = 25°C)****Unit: K**

Bin	W5	W6	W7	W8	W9	W10
Min	4500	5000	5600	6300	7000	8000
Max	5000	5600	6300	7000	8000	9000

**Note**

1. Flux is measured with an accuracy of ±15%
2. CCT is measured with an accuracy of ± 200K
3. Forward Voltage is measured with an accuracy of ± 0.15V