

LED SPECIFICATION

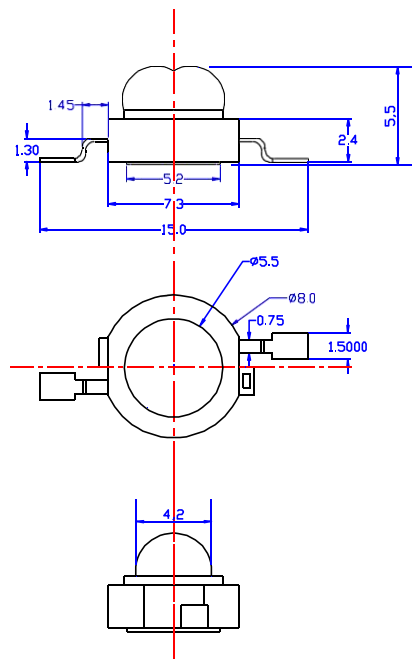
Part No. : PY3W-H-PW6C-w8

Features :

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

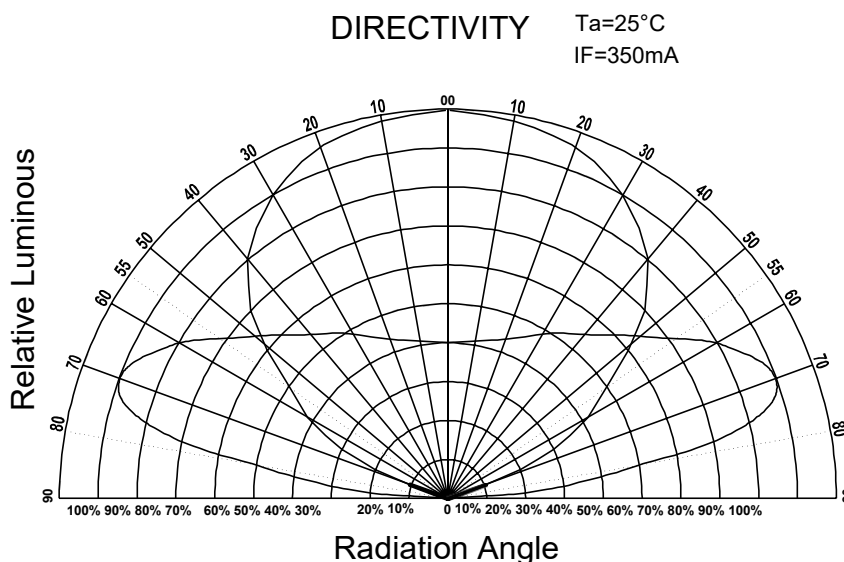
Typical Applications :

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



NOTE:

- All dimensions are millimeters.
- Tolerance is $\pm 0.25\text{mm}$ unless noted





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Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
DC Forward Current	IF	----	500	700	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	----	3.3	3.5	V
Luminous Flux	Φv		150	200	----	lm
Viewing Angle	2 θ 1/2-X		----	100	----	Deg.
Viewing Angle	2 θ 1/2-Y		----	160	----	Deg.
Color Temperature	CCT		6300	----	7000	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