

Features:

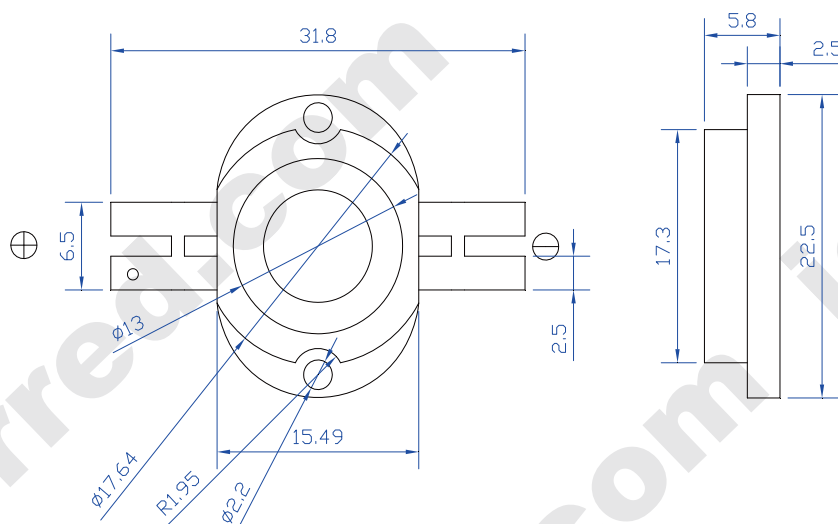
- Highest Flux
- High reliability and Very long operating life
- Low voltage DC operated
- More Energy Efficient than Incandescent and most Halogen lamps
- NO UV
- Superior ESD protection
- RoHS Compliant

**ATTENTION**

OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Typical Applications:

- Lighting
- Portable
- Automobile
- Decorations

**NOTE:**

- All dimensions are millimeter.
- Tolerance is $\pm 0.1\text{mm}$ unless otherwise noted.
- It is strongly recommended that the temperature of lead be not higher than 60°C .
- The appearance and specifications of the product may be modified for improvement without notice.



Part No.: E05PW120C

Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
DC Forward Current	IF	----	----	850	mA
Peak Pulse Current	Ipeak	Duty=0.1mS, 1kHz	----	1400	mA
Power Dissipation	Pd	----	----	6	W
LED Junction Temperature	Tj	----	----	120	°C
Operating Temperature	Topr	----	-25	+80	°C
Storage Temperature	Tstr	----	-40	+100	°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 = 700mA	6.0	6.4	8.0	V
Luminous Flux	Φv		----	300	----	lm
Viewing Angle	2θ 1/2		----	120	----	Deg.
Color Temperature	CCT		5000	----	8000	K

Luminous Flux Bins (Ta = 25°C)

Unit: lm

Bin	U	V	W	X
Min	240	280	320	360
Max	280	320	360	400

CCT Bins (Ta = 25°C)

Unit: K

Bin	W6	W7	W8	W9
Min	5000	5600	6300	7000
Max	5600	6300	7000	8000

Note

1. Flux is measured with an accuracy of $\pm 15\%$
2. CCT is measured with an accuracy of $\pm 200K$
3. Dominant Wavelength is measured with an accuracy of $\pm 1.5nm$
4. Forward Voltage is measured with an accuracy of $\pm 0.15V$