

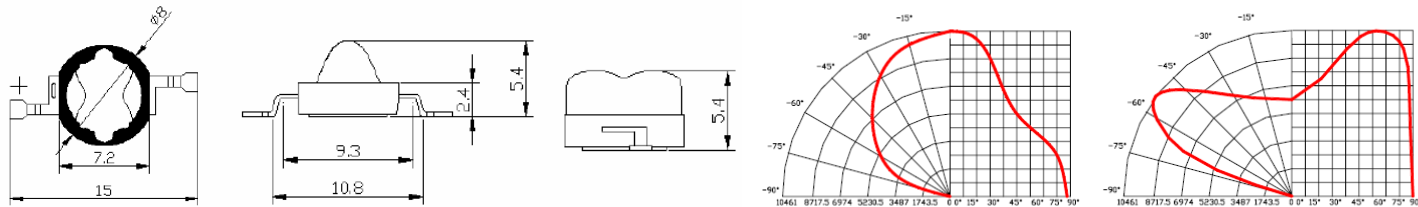
Datasheet no.62 POLYWA OVAL LEDs KLHP3ST1WE

The Power LEDs for STREET LIGHTS with Built-in 80°x130° Lens

POLYWA Oval Power LED emitter with custom **Silicone Lens** technology Provides excellent solutions for **Street lighting**. The Silicone lens is Specially- designed to control the Optical output to 80°x130° angle as demanded in **Streetlight** applications & saves over 20% light which Otherwise would be lost at the air-to-lens interface. PolyWa Oval reduces Lens assembly time, removes size constraints, allows slimmer designs, reduces the weight, and enhances the reliability & productivity. The LEDs are rated for automatic IR reflow soldering.



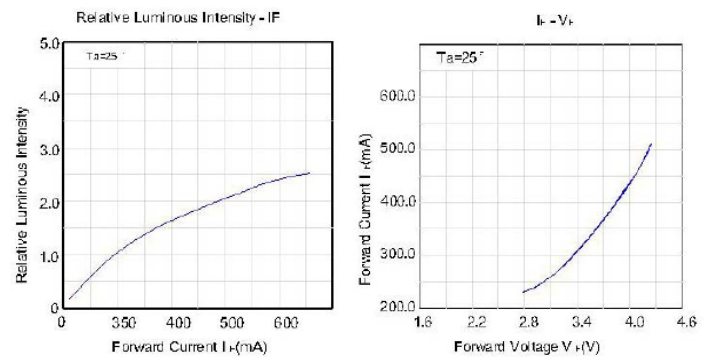
MECHANICAL DIMENSIONS



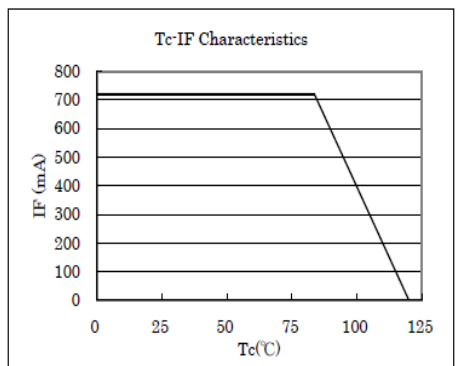
Electro –Optical Characteristics

(Tc=25°C)

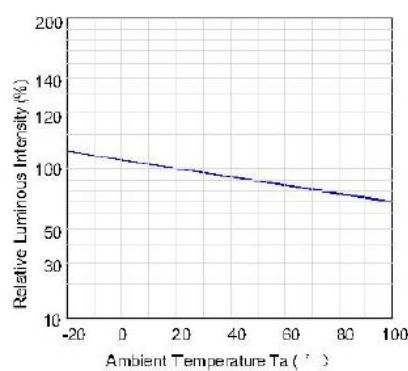
| Parameter | Symbol | Condition | MIN | TYP | MAX | UNIT |
|---------------------------|--------|------------|----------|-----|------|------|
| Forward Voltage | Vf | If=350mA | 3.0 | --- | 3.6 | V |
| Reverse Current | IR | VR=5V | --- | --- | 50 | μA |
| 50% Power Angle | (H-H) | F =350mA | --- | 130 | --- | deg |
| | | (V-V) | If=350mA | --- | 80 | --- |
| Luminous Flux | øv | If = 350mA | 90 | 110 | 130 | lm |
| Recommend Forward current | If | --- | --- | 350 | 700 | mA |
| Wave Length | TC | IF=350mA | 5000 | --- | 7000 | K |



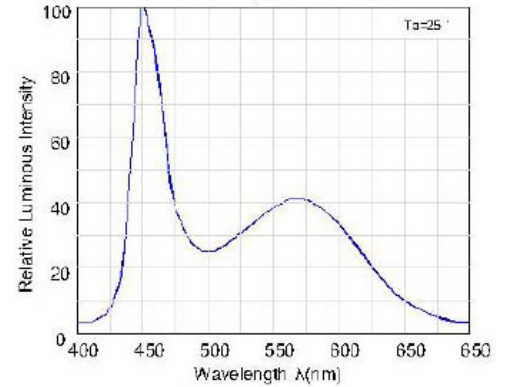
Case Temperature vs. Allowable Forward Current



Relative Luminous Intensity - Ta



Wavelength Characteristics



Have heart for your planet Switch to PolyWa LEDs

Kwality PolyWa

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