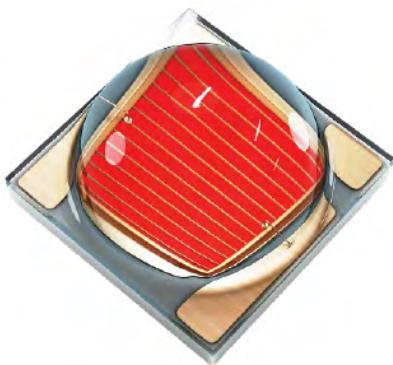




LUXEON SunPlus HPE

Best in class performance and efficacy in high power LEDs for horticulture application



LUXEON SunPlus HPE achieves the highest PPF and PPE with the industry-standard footprint of 3.5mm x 3.5mm. It enables the growers to effectively improve crop growth, reduce energy consumption and make agriculture more sustainable. The LUXEON SunPlus HPE is a deep red LED with a peak wavelength of 660nm and is specially designed to enable the highest-quality LED solutions for horticulture applications.

FEATURES AND BENEFITS

High power deep red ceramic LED with 660nm peak wavelength

High PPF and PPE specified at 25°C and 85°C

Industry standard footprint 3.5mm x 3.5mm

PRIMARY APPLICATIONS

Horticulture

Grow lights

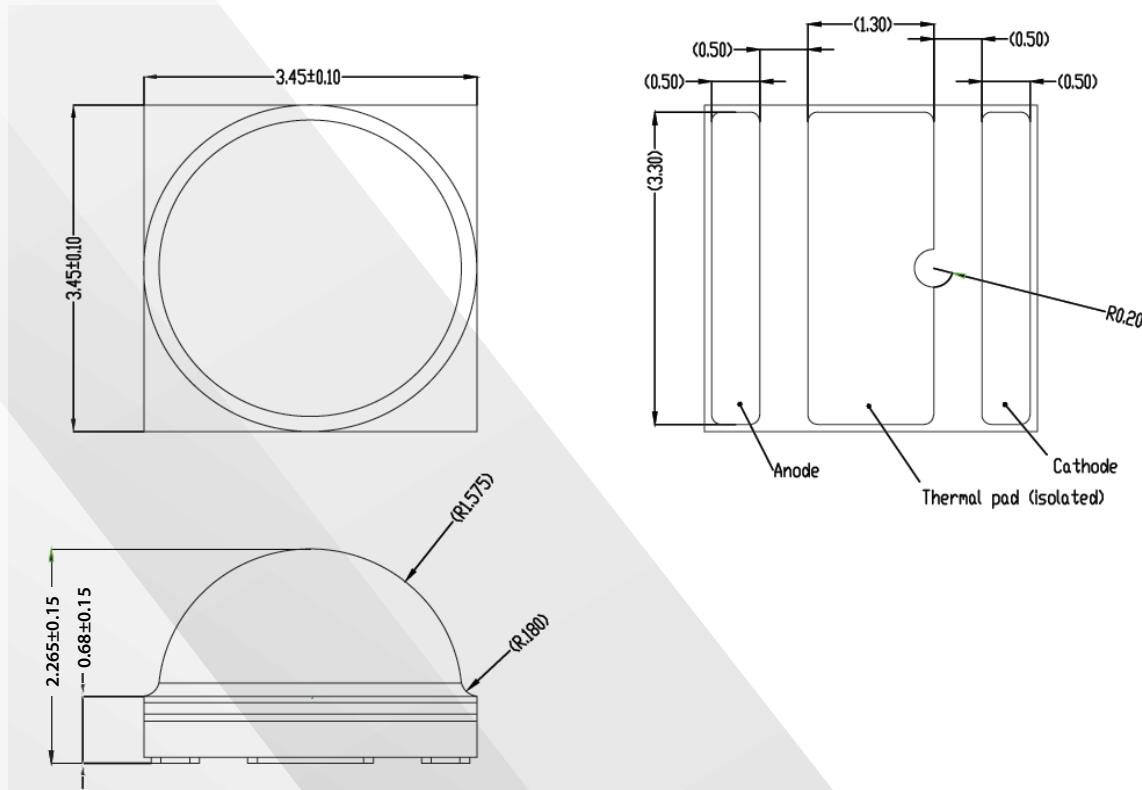
LUXEON SunPlus HPE product performance at 700mA.

COLOR	PEAK WAVELENGTH (nm)		PPF ($\mu\text{mol/s}$) ^[1] in PAR (400 to 700nm) ^[2]			PPF/W ($\mu\text{mol/J}$)		PART NUMBER
	MINIMUM	MAXIMUM	MINIMUM	TYPICAL AT $T_J=85^\circ\text{C}$	TYPICAL AT $T_J=25^\circ\text{C}$	TYPICAL AT $T_J=85^\circ\text{C}$	TYPICAL AT $T_J=25^\circ\text{C}$	
Deep Red	655	680	4.5	5.25	5.82	3.75	4.01	L1SP-DRD0203E00000

Notes:

1. Lumileds maintains a tolerance of $\pm 6.5\%$ on $\mu\text{mol/s}$ for LUXEON SunPlus HPE.
2. PAR is the photosynthetic active radiation from 400 to 700nm.

Mechanical Dimensions



Notes:

1. Drawings are not to scale.
2. All dimensions are in millimeters.
3. Do not handle the device by the dome. Excessive force on the dome may damage the dome itself or the interior of the device.