

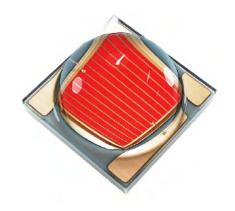




LUXEON SunPlus HPE



Best in class performance and efficacy high power LED for horticulture applications



LUXEON SunPlus HPE achieves the highest PPF and PPE with an industry-standard footprint of 3.5mm x 3.5mm. It enables growers to 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 designed specifically 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

Horticulture

Grow lights

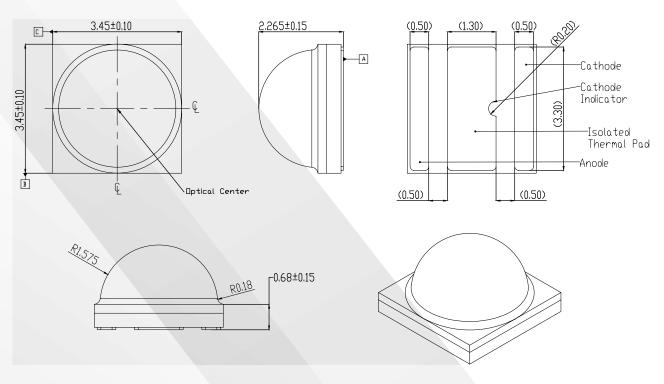
PRIMARY APPLICATIONS

LUXEON SunPlus HPE product performance at 700mA.

COLOR	PEAK WAVELENGTH (nm)		PPF (μmol/s) ^[1] in PAR (400 to 700nm) ^[2]			PPF/W (µmol/J)		PART
	MINIMUM	MAXIMUM	MINIMUM	TYPICAL at T _J =85°C	TYPICAL at T _J =25°C	TYPICAL at T _J =85°C	TYPICAL at T _J =25°C	NUMBER
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 μ mol/s for LUXEON SunPlus HPE.
- 2. PAR is the photosynthetic active radiation from 400 to 700nm.

Mechanical Dimensions.



Notes:

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

©2022 Lumileds Holding B.V. All rights reserved. LUXEON is a registered trademark of the Lumileds Holding B.V. in the United States and other countries.

lumileds.com

Neither Lumileds Holding B.V. nor its affiliates shall be liable for any kind of loss of data or any other damages, direct, indirect or consequential, resulting from the use of the provided information and data. Although Lumileds Holding B.V. and/or its affiliates have attempted to provide the most accurate information and data, the materials and services information and data are provided "as is," and neither Lumileds Holding B.V. nor its affiliates warrants or guarantees the contents and correctness of the provided information and data. Lumileds Holding B.V. and its affiliates reserve the right to make changes without notice. You as user agree to this disclaimer and user agreement with the download or use of the provided materials, information and data. A listing of Lumileds product/patent coverage may be accessed at lumileds.com/patents.