



# LUXEON HL2X-V

Higher performance, high quality of light and low thermal resistance.



LUXEON HL2X-V is a high-power domed emitter designed for applications like streetlights and high bay luminaires. The package is designed to deliver superior output, efficacy, color stability and longevity.

LUXEON HL2X-V utilizes an industry standard 3535 package with 3-stripe footprint. This compatibility allows for efficient and simpler conversion to the better performing LUXEON HL2X-V from any other similar platform.

## FEATURES AND BENEFITS

- Most usable light in application with design emphasis on Beam Angle, Field Angle, Color Over Angle and Optical Efficiency performance
- Industry standard 3535 package with 3-stripe footprint
- Offered in multiple Luminous Flux Performance categories for customer flexibility in design and application
- Superior thermal management for extended operating lifespan

## PRIMARY APPLICATIONS

- High Mast
- Floodlights
- Spotlights
- High Bay
- Low Bay
- Torch
- [More...](#)

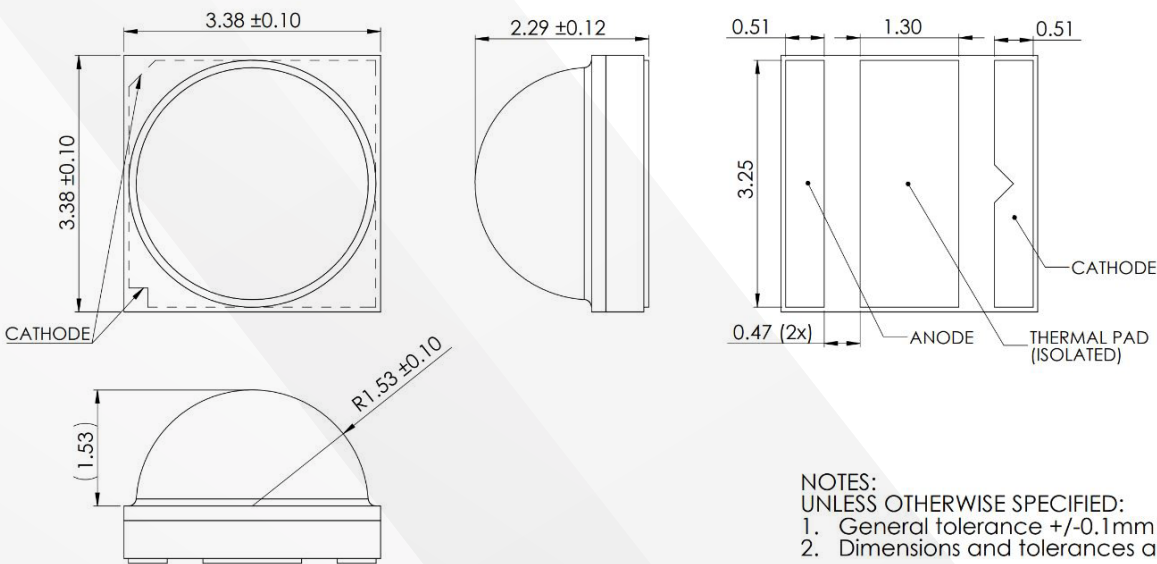
Product performance of LUXEON HL2X-V at 700mA, T<sub>j</sub>=85°C.

| NOMINAL<br>CCT | MINIMUM<br>R9 <sup>[3]</sup> | MINIMUM<br>CRI <sup>[1]</sup> | LUMINOUS FLUX <sup>[2]</sup> (lm) |         | TYPICAL<br>LUMINOUS<br>EFFICACY (lm/W) | PART NUMBER         |
|----------------|------------------------------|-------------------------------|-----------------------------------|---------|----------------------------------------|---------------------|
|                |                              |                               | MINIMUM                           | TYPICAL |                                        |                     |
|                |                              |                               | 700mA                             |         |                                        |                     |
| 2700K          | -43                          | 70                            | 300                               | 325     | 168                                    | L1HX-27702V00000000 |
| 3000K          | -43                          | 70                            | 310                               | 335     | 173                                    | L1HX-30702V00000000 |
| 4000K          | -43                          | 70                            | 330                               | 355     | 183                                    | L1HX-40702V00000000 |
| 5000K          | -43                          | 70                            | 330                               | 355     | 183                                    | L1HX-50702V00000000 |
| 5700K          | -43                          | 70                            | 330                               | 355     | 183                                    | L1HX-57702V00000000 |
| 6500K          | -43                          | 70                            | 330                               | 350     | 181                                    | L1HX-65702V00000000 |

Notes:

- 1. Lumileds maintains a tolerance of ±2 on CRI.
- 2. Lumileds maintains a tester tolerance of ±6.5% on luminous flux measurements.
- 3. Lumileds maintains a tester tolerance of ±6.5 on R9 measurements.

MECHANICAL DIMENSIONS



- NOTES:  
UNLESS OTHERWISE SPECIFIED:
- 1. General tolerance +/-0.1mm
  - 2. Dimensions and tolerances apply to finished part

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.