

KHATOD®

Optical Solutions for LED Lighting

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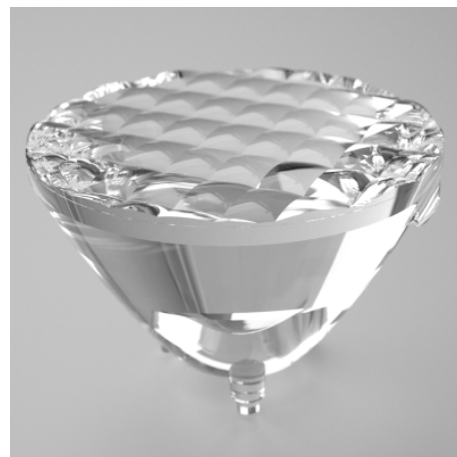
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Technical Department
Product's Technical Brief

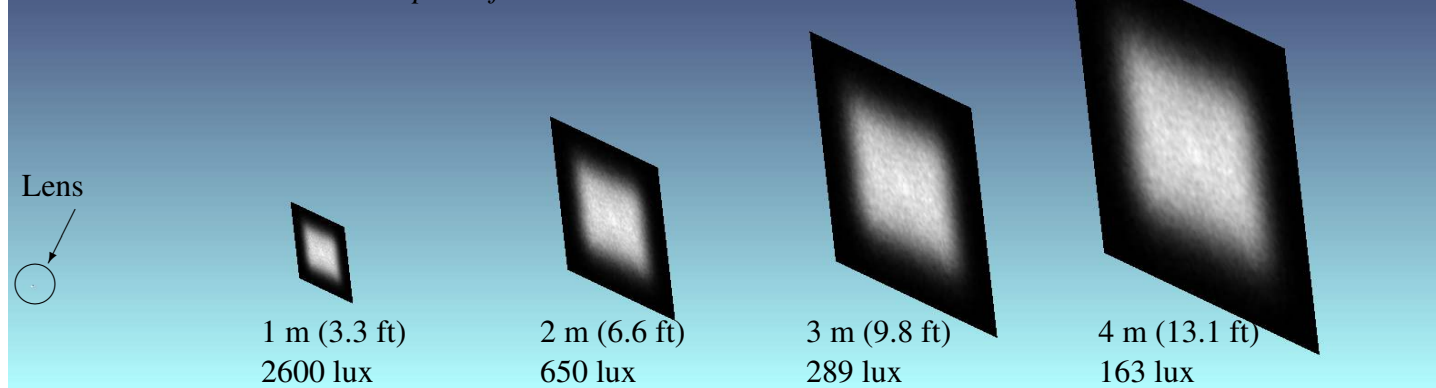


Clean Rectangular Beam Lens

- Beam size at 1 m \approx A4 paper sheet ($\approx 300 \times 200 \text{ mm}^2$, $12 \times 8 \text{ inch}^2$);
- Invariant performance for a wide range of LEDs;
- Excellent Uniformity $> 85\%$;
- Clean Spot;
- Efficiency $> 89\%$;
- 3 Pins provided for precise and robust mounting;
- Available in **35 mm**, **46.8 mm**, and **50 mm** diameter;
- Optical Grade PMMA.



Illuminance values are computed for 200 lm LED



Typical Applications

- Museum lighting;
- Desk lamps;
- Entertainment lighting;
- Architectural lighting;
- Stage lighting;
- Decorative lighting;
- Shop windows, halls & entrances;
- Inspection lines;
- Flashlights.

Beam Angle for Common LEDs

- CREE XM-L, XP-E, XP-E2, XP-G, XP-G2, XT-E, XB-D, ...
- OSRAM OSOLON SQUARE, BLACK, SSL 150, SSL 80, ...
- LUMILEDS LUXEON T, Z, H50-1, H50-2, Rebel, Rebel ES, ...
- LG Innotek 3535 2W/3W Ceramic PKG
- ... and more on <http://www.khatod.com>.

Part Number & Dimensions

PL1672: $\phi = 35.0 \text{ mm}$, $H = 21 \text{ mm}$

PL1675: $\phi = 50.0 \text{ mm}$, $H = 21 \text{ mm}$

PL1738: $\phi = 46.8 \text{ mm}$, $H = 21 \text{ mm}$