

Secondary Lens with Holder

OVLENSxx4

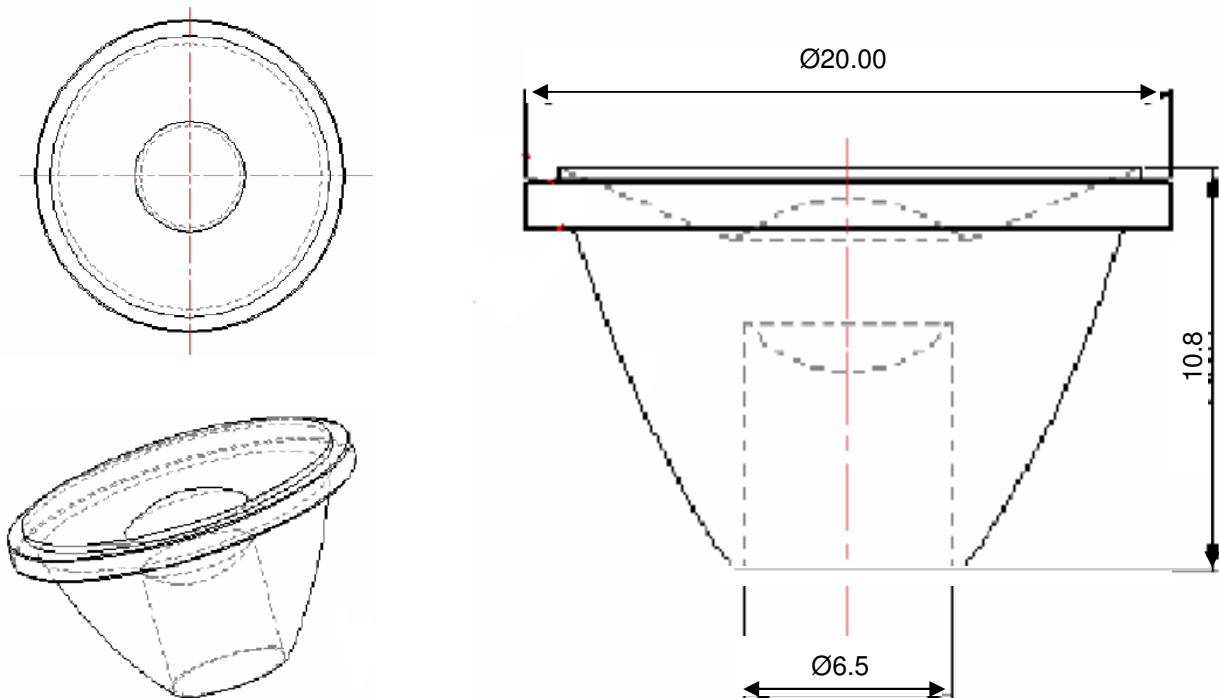
- Custom designed for Optek OVSxxxCR4 LED Series
- Efficient light extraction and high flux output
- Narrow viewing angles
- Precision molded with optical grade plastic



These water-clear polycarbonate lenses with black holders are specifically designed to mate with Optek's 6x6mm power surface mount LEDs (OVSxxxCR4 Series) to provide a more narrow beam angle. Lenses are available in both 15° and 23° viewing angles. The lenses and holders sit firmly over the LED component and is easily attached to the PCB/MCPCB with adhesive.

Part Number	Viewing Angle	Material	Lens Color	Lens Holder
OVLENS154	15°	Polycarbonate	Water Clear	Black
OVLENS234	23°			

Lens Dimensions



OPTEK reserves the right to make changes at any time in order to improve design and to supply the best product possible.

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Technical drawing of a lens assembly, showing three views: a front view (top left), a side view (top right), and a cross-sectional view (bottom).

Front View (Top Left): Shows the circular lens assembly. Dimensions include an outer diameter of $\phi .85$ and a central feature with a diameter of $\phi .26$. Section line A-A is indicated.

Side View (Top Right): Shows the lens assembly in profile. Dimensions include a total height of $[12] .47$, a lens thickness of $[11.50] .45$, a lens holder thickness of $[2.60] .10$, and a lens diameter of $\phi .80$. The lens is labeled "LENS" and the lens holder is labeled "LENS HOLDER".

Cross-sectional View (Bottom): Shows the internal structure of the lens assembly. Dimensions include a total height of $[20.20] \phi .80$, a lens thickness of $[0.80] .03$, a lens holder thickness of $[6.50] \phi .26$, and a lens diameter of $\phi .26$. The lens is labeled "LENS" and the lens holder is labeled "LENS HOLDER". The cross-section is labeled "SECTION A-A" and "SCALE 2:1".

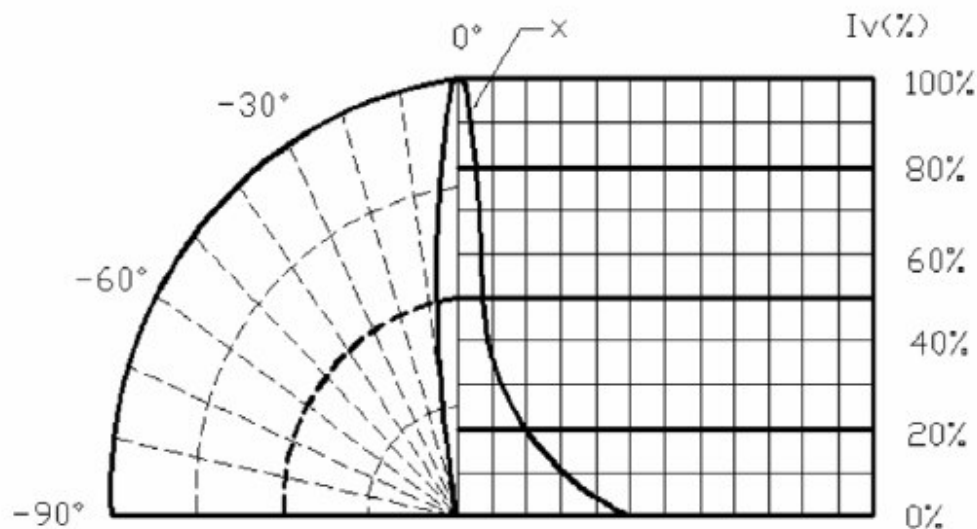
Other Views (Bottom): Shows the lens assembly from a different perspective. Dimensions include a total height of $[7.90] .31$, a lens thickness of $[13.50] .53$, a lens holder thickness of $[2] .08$, and a lens diameter of $\phi .42$. The lens is labeled "LENS" and the lens holder is labeled "LENS HOLDER".

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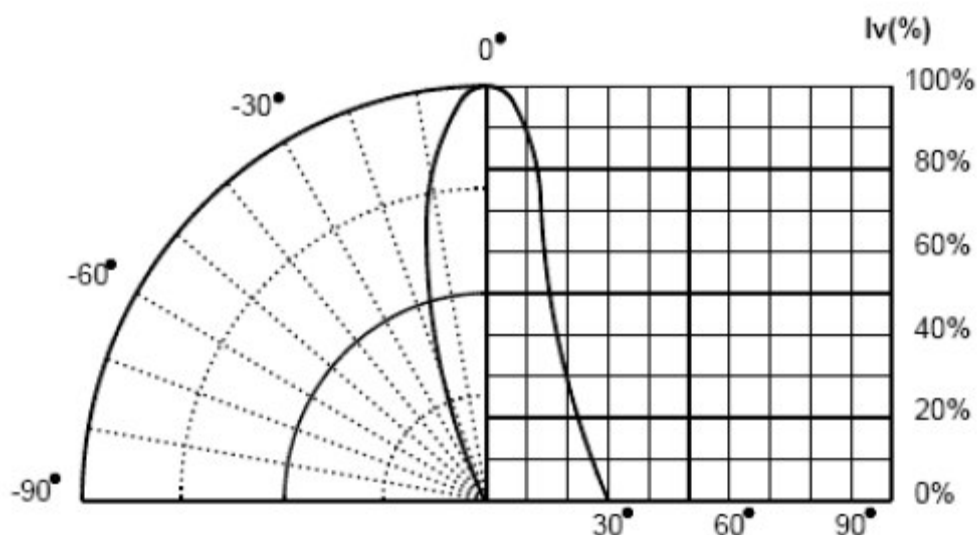
Secondary Lens with Holder

For OVSxxxCR4 LED Series

Radiation Pattern for OVLENS154



Radiation Pattern for OVLENS234



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