

### HD Compact Projector Lens



### Description

The DSL092 is a hybrid, high-resolution, narrow-angle projection lens designed for HD  $\mu$ LED sources. The high efficiency, straylight optimization, low chromatic aberration, and thermal stability make this lens ideal for automotive lighting applications, including glare-free High-beam (ADB) and ground projection.

### Key Features

- Low straylight above low-beam cut-off lines
- Hybrid design
- Fully athermalized
- High efficiency with F/0.7 aperture

### Optical Specifications

Sunex PN DSL092	
<b>Description</b>	HD Hybrid Projection Lens
<b>Source Dimension</b>	H12.8mm, V3.2mm (max)
<b>Nominal Source Resolution</b>	Up to 26K
<b>Focal Length</b>	30.89mm
<b>Relative Aperture (F/#)</b>	0.7
<b>Image Circle</b>	13.2mm
<b>Field of View</b>	24° HFOV at 12.8mm
<b>Total Track Length</b>	70mm
<b>Geometry &amp; Barrel features</b>	PPS, mounting flange
<b>IR cut-off filter</b>	780 IR cut-off

### Applications

- Automotive Lighting
- Projection

### DSL092A-780-F0.7 Mechanical Dimensions [mm]:

