



UFO Collimator

Features

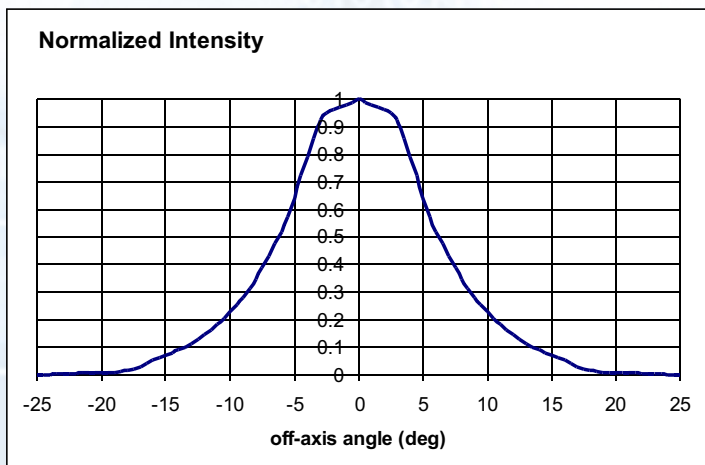
- Ultra compact high efficiency LED collimator for Luxeon®* Lambertian LED light sources
- 17 mm diameter, < 10 mm tall from LED bottom surface
- Patented folded optics aspheric design
- Applications: Signaling, automotive lighting, architectural light, emergency lights, flashlights, general illumination

* www.luxeon.com, www.lumiledsfuture.com

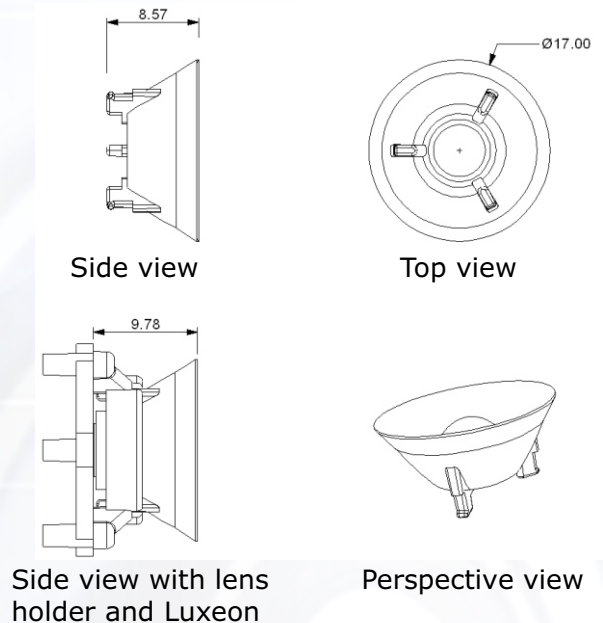


Optical Performance

- >75% Total Efficiency (in 60 deg full angle cone)
- 12 deg FWHM collimation angle (varies slightly with LED colour)
- On axis intensity 12 cd/lm (varies slightly with LED colour)



Dimensions



Light Sources

- UFO collimators are designed for:
Luxeon I and Luxeon III Lambertian emitters all colours
Luxeon I and Luxeon III Lambertian Star Hex all colours

- Lumileds Part numbers
LXHL-L?3C, LXHL-P?09, LXHL-P?01, LXHL-M?1D

Fill in "?" according to colour code of Lumileds part number

LPI part number: UFO1712LL01

Release date: 03/06 DS UFO001



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Hong Kong Science Park, Shatin, N.T.
Main 2428 8812
Fax 2144 2566

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Website: www.lpi-llc.com



UFO Holder

Features

- Holder for 17 mm UFO
- Holder precisely positions UFO collimator with respect to Luxeon LED
- UFO collimator snaps firmly into holder, simple to assemble
- Holder has three feet that fit into half moons of Luxeon Star Hex
- Holder slides into three holes on a 18.5 mm diameter circle (Holder A) or on a 18.16 mm diameter circle (Holder B). See drawing
- Recommended hole size: 2.5 mm
- Holder and lens have smaller diameters than Luxeon Star Hex



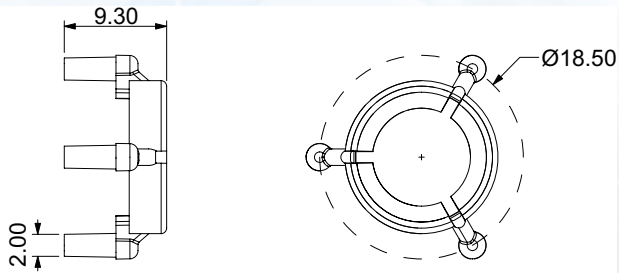
Holder A for:

- Luxeon 1W Star Hex
- Luxeon 1W emitter (mounted on custom PCB)
- Luxeon 3W emitter (mounted on custom PCB)

Holder B for:

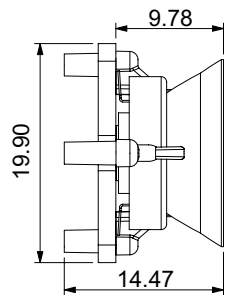
- Luxeon 3W Star Hex

Holder A

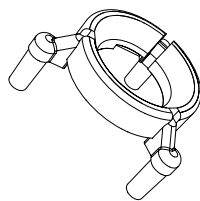


Side view

Top view



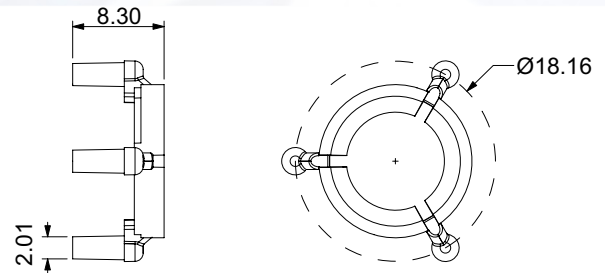
Side view with lens holder and Luxeon Star



Perspective view

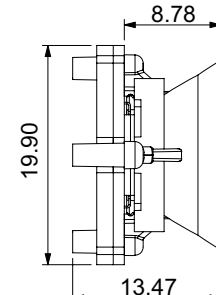
All dimensions in mm

Holder B

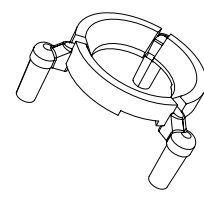


Side view

Top view



Side view with lens holder and Luxeon Star



Perspective view

All dimensions in mm

LPI part number Holder A: HA-UFO17LL001

LPI part number Holder B: HB-UFO17LL001

Release date: 03/06 DS UFO001



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