

## Spot or Wide – Take Both

This revolutionary new product zooms efficiently from spot to wide beams and is an ideal choice for applications that benefit from adjustability and a compact optical system.

### Introducing New ZOWIE-MINI

Small in size but large in features, ZOWIE-MINI is designed to perform in challenging applications. It provides good efficiency over a wide range of beam angles. ZOWIE-MINI is precisely engineered and manufactured as the world's first zoomable secondary optical system with wide zoom range and evenly controlled light distribution without halos, black spots or fringes.

#### FEATURES and BENEFITS

- World's first secondary optic offering good efficiency over the 3x zoom range without halos, black spots or fringes
- FWHM angle range from 20° to 60° depending on LED chosen
- Versatility in a wide range of applications, including museum lighting, retail displays, vehicles and showcases
- Suitable for multi-lens arrays
- Optical efficiency over 80%
- Compatibility tested with Cree, Osram, Nichia and Philips LEDs. Check specific LED models and other manufacturer LEDs from [www.ledil.com](http://www.ledil.com)

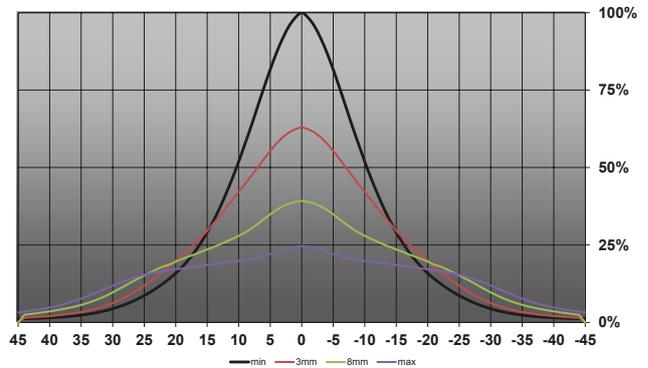
#### MARKETS and TYPICAL APPLICATIONS

- Museum lighting
- Retail display
- Vehicle lighting
- Showcases



## TECHNICAL SPECIFICATIONS

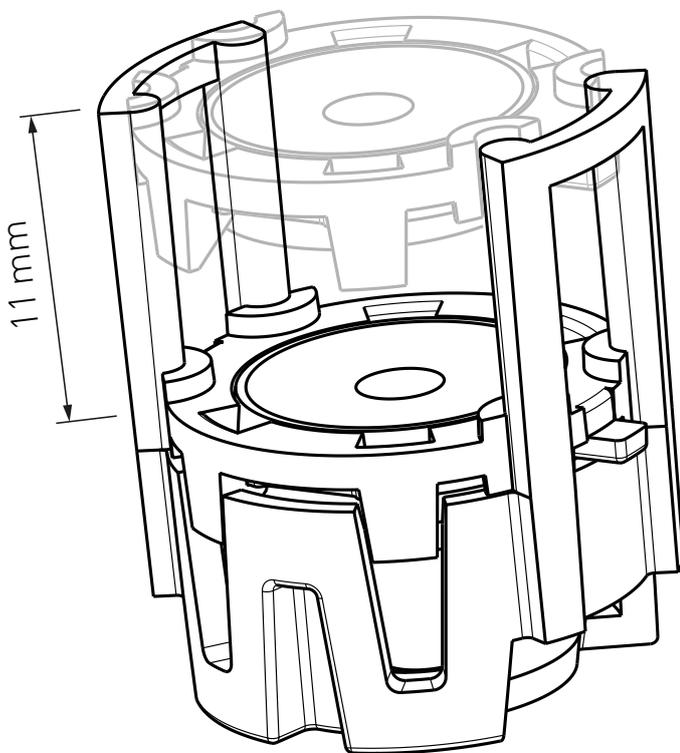
- Diameter 14,8 mm
- Lens diameter without flange 11 mm
- Optical efficiency over 80%
- FWHM zoom range 20° to 60°
- Lens kit includes forward and back element
- Optional holder assembly for rapid product development will be available soon



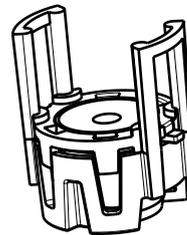
Absolute intensity of ZOWIE-MINI with Cree XP-G LED

## HOLDER DESIGN EXAMPLE

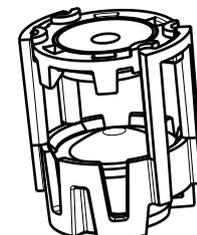
- Forward element movement 11 mm over the zoom range



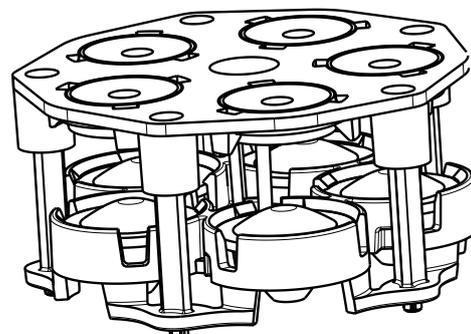
SPOT



WIDE



Multi-lens array configuration



## ORDERING INFORMATION

CC13052\_ZOWIE-MINI

Consult [www.ledil.com](http://www.ledil.com) for ordering codes and latest product specifications, which may vary by LED