



## LUCIA – Precision packed power

LUCIA is LEDiL's latest addition to the range of very narrow spot optics. LUCIA is a large 4-up module with high quality Real Spot type TIR optics that can be used in many different professional lighting applications. First in the series to be released is LUCIA-S, providing a very narrow light beam with good cut-off. Specially tilted TIR design in a single array helps to achieve astonishing light control, and LEDiL's patented RZ-surface makes sure the color-over-angle performance and beam uniformity are optimized.

### FEATURES

- Very narrow flood with a good cut-off
- Special tilting technique and RZ surface for maximum beam uniformity
- Designed for super high power multi-crystal LEDs up to 7070 package size
- LUCIA-D to be released soon

### TYPICAL APPLICATIONS

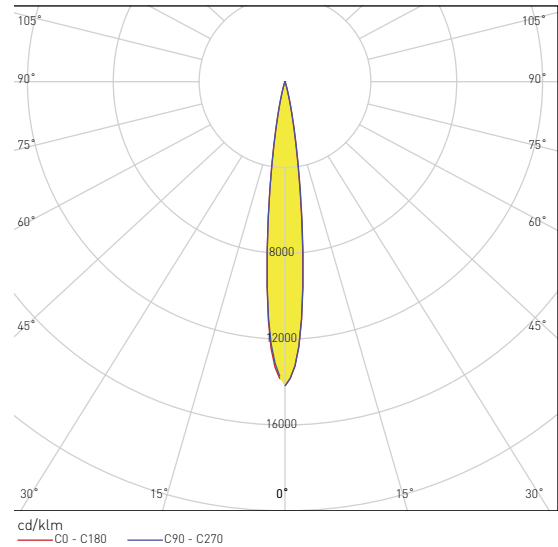
- Outdoor up-/downlighting applications
- Surgery light
- Flood light
- High-speed camera lighting
- Architectural lighting



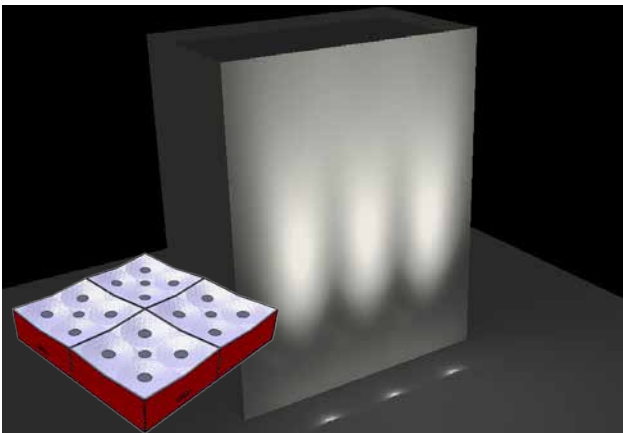
C14678\_LUCIA-S

## TECHNICAL SPECIFICATIONS

- Height: 34.7 mm
- Diameter: 89.8 mm
- Beam type: Spot
- Typical efficiency: 94%
- Typical FWHM: 13°



## DESIGN EXAMPLE

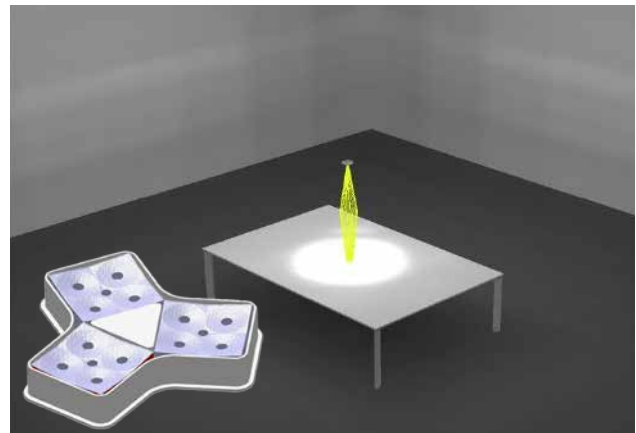


### C14678\_LUCIA-S flood lights

- Building height 50 m
- 16 000 lumens per luminaire
- 15 degree tilt
- 7 m distance from the wall

#### Output:

- Maximum illuminance: 11 lx
- Average illuminance: 4.5 lx



### Surgery table lighting with C14678\_LUCIA-S

- 3 luminaires installed
- 3600 lumens
- Distance to table surface 1 m

#### Output:

- Maximum illuminance 210 831 lx
- in 36 cm area  $E_{min}/E_{max}$ : 0.017
- in 18 cm area  $E_{min}/E_{max}$ : 0.55

## ORDERING INFORMATION

C14678\_LUCIA-S

C15013\_LUCIA-D

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