

WINNIE – Compact your MR16 designs

The new WINNIE family from LEDiL features unique folded TIR design which substantially reduces height compared to traditional collimating optical designs. WINNIE features convenient MR16 size for a range of luminaire or retrofit designs and can be used with heat sinks pre-drilled for Zhaga compatible light engines. Highly efficient design, typical efficiency close to 90%.

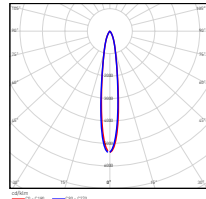
- PMMA lens for a range of COB's with LES size up to 21 mm
- Hyper-reflective white PC holder and optical grade PMMA for high efficiency
- Unique flat folded TIR design
- Zhaga Book 3 compatible fastening – pre-drilled heatsink available
- Designed to work with the range of COBs from brands like Cree, Citizen, Osram and Bridgelux
- Typical applications include tracklights, downlights and general interior architectural lighting

Visit www.ledil.com/winniefamily
for fulla family listing



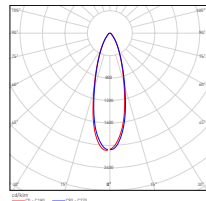
CN14236_WINNIE-S

- H: 19,3 mm, D: 49,8 mm
- Beam type: Spot
- Typical FWHM: 22°
- Typical efficiency 87%
- Precision-molded from optical grade PMMA – UL94 HB rated material with operating rating -40°C to +80°C



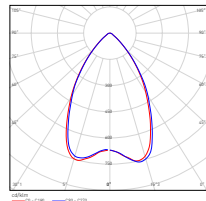
CN14237_WINNIE-M

- H: 19,3 mm, D: 49,8 mm
- Beam type: Medium flood
- Typical FWHM: 35°
- Typical efficiency: 87%
- Precision-molded from optical grade PMMA – UL94 HB rated material with operating rating -40°C to +80°C



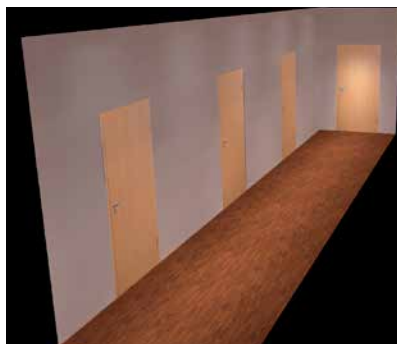
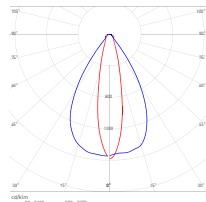
CN14238_WINNIE-W

- H: 19,3 mm, D: 49,8 mm
- Beam type: Wide flood
- Typical FWHM: 50°
- Typical efficiency: 88%
- Precision-molded from optical grade PMMA – UL94 HB rated material with operating rating -40°C to +80°C



CN14811_WINNIE-O

- H: 19,3 mm, D: 49,8 mm
- Beam type: Oval
- Typical FWHM: 63°+23°
- Typical efficiency: 89%
- Precision-molded from optical grade PMMA – UL94 HB rated material with operating rating -40°C to +80°C



Corridor lighting with CN14811_WINNIE-O

5 luminaires installed, 475 lm / luminaire
 Luminaire spacing 2 meters
 Luminaire installation height 2.8 meters
 Corridor width 1.8 meters
 Corridor length 10 meters

E_{av} 91 lx
 E_{min} 33 lx
 E_{max} 148 lx
 $u0$ 148