



LEDiL's KIKI-A – Uniform backlighting at low cost

LEDiL introduces our new KIKI-A lens designed for backlighting applications. An optical design carefully optimised for maximally uniform light distribution even for wider distances between LED placements. This allows fixture designers to fully exploit the higher luminous flux of new generation LEDs. KIKI is optimized for excellent efficiency over a wide range of high power LEDs from Cree, Philips Lumileds and Osram.

FEATURES and BENEFITS

- Carefully optimised for maximally uniform light distribution
- Highly efficient optical design

MARKETS and TYPICAL APPLICATIONS

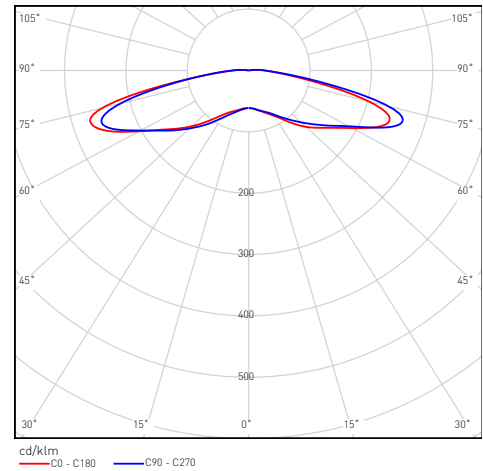
- Backlighting applications
- Area lighting
- Armstrong and troffer lights



CA13747_KIKI-A

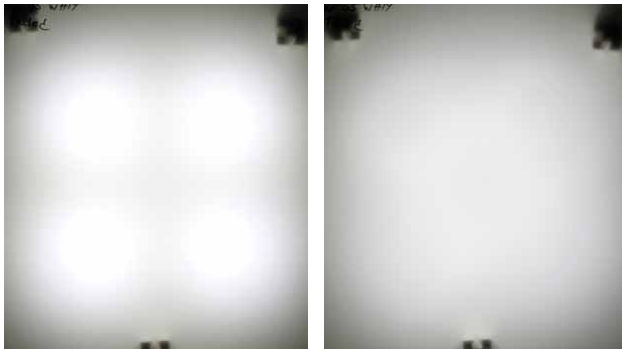
TECHNICAL SPECIFICATIONS

- Dimensions: 21.6 x 14 mm
- Height: 5.9 mm
- Typical efficiency: 92%
- Typical FWHM: 162°
- Precision-molded from optical grade PMMA – UL94 HB rated material with operating rating -40°C to +80°C
- Mounts with pins or adhesive tape



KIKI-A LIGHT UNIFORMITY COMPARISON

Light uniformity



With LED only

With KIKI-A lens

Light uniformity comparison. Only LED on the left versus with KIKI-A installed on the right. LEDs are at 200 mm distance from each other and a Truled Plexiglas installed 100 mm from the PCB's.
 LED used is Cree XT-E-HVW

Assembly distance

Distance from PCB to Plexiglas: 100 mm
 Distance between LEDs: 300 mm



Distance from PCB to Plexiglas: 120 mm
 Distance between LEDs: 250 mm



Distance from PCB to Plexiglas: 120 mm
 Distance between LEDs: 200 mm



ORDERING INFORMATION

C13746_KIKI-A (without tape)

CA13747_KIKI-A (with installation tape)

Visit www.ledil.com for ordering codes and latest product specifications, which may vary by LED