PRODUCT RELEASE

# SANDRA-12-O – New flood of light

LEDiL introduces the latest addition, SANDRA-12-O to its cost effective and efficient SANDRA family of lens arrays. The new SANDRA-12-O with an oval light distribution suits well in area lighting and working light applications. The light beam direction is indicated on the lens to help designing and assembling the lighting fixtures. Precision molded SANDRA lenses direct the light where it is needed and 12 LED sources provide enough light for challenging environments with market-leading efficiency of ≈90%.

## FEATURES and BENEFITS

- Optical array of 12 sources speed up manufacturing
- Cost-efficient solution for many lighting situation
- High efficiency optical design, typically 20% more efficient than non-optimized competitors
- Aesthetically pleasing and even beam pattern
- ø67 mm fitting for many luminaire designs in the PAR20 range
- Designed for the wide range of LEDs from Cree, Nichia, Osram and Philips Lumileds

## TYPICAL APPLICATIONS

- Track lighting luminaires
- Flood lights
- Working lights
- Retail lighting
- Generic indoor lighting

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Please visit www.ledil.com for additional information, such as the latest photometric files, 3D mechancial models, and application notes relating to handling, gluing and taping.

# SPECIFICATIONS* and ORDERING INFORMATION

## C14250_SANDRA-12-O

- Dimensions; ø67 x 11,1 mm
- 12 sources
- Beam type: Oval
- Precision-molded from optical grade PMMA – UL94 HB rated material with operating rating -40°C to +80°C

## C13405_SANDRA-12-M

- Dimensions; ø67 x 11,1 mm
- 12 sources
- Beam type: Medium
- Typ. FWHM 32°
- Typ. efficiency 91%
- Optimized for Cree's new generation XT-E and XP-G2 LEDs

## C11814_SANDRA-12-M

- Dimensions; ø67 x 11,1 mm
- 12 sources
- Beam type: Medium
- Typ. FWHM 24°
- Typ. efficiency 91%

## C11700_SANDRA-12-W

- Dimensions; ø67 x 11,1 mm
- 12 sources
- Beam type: Wide
- Typ. FWHM 34°
- Typ. efficiency 91%

## C13236_SANDRA-12-S

- Dimensions; ø67 x 11,1 mm
- 12 sources
- Beam type: Spot
- Typ. FWHM 10°
- Typ. efficiency 93%

* FWHM and efficiency are typical values and subject to the chosen LED. For information of the specific LED-optics combination, go to www.ledil.com

## ORDERING INFORMATION

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

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