

### **HEIDI-REC-90**

~35° + 55° rectangular beam

#### **SPECIFICATION:**

Ø 21.6 mm **Dimensions** Height **ROHS** compliant



#### **MATERIALS:**

Type **Material** Colour **Finish** Component HEIDI-REC-90 Single lens **PMMA** clear **HEIDI-TAPE** Tape Acrylic foam black

12.9 mm

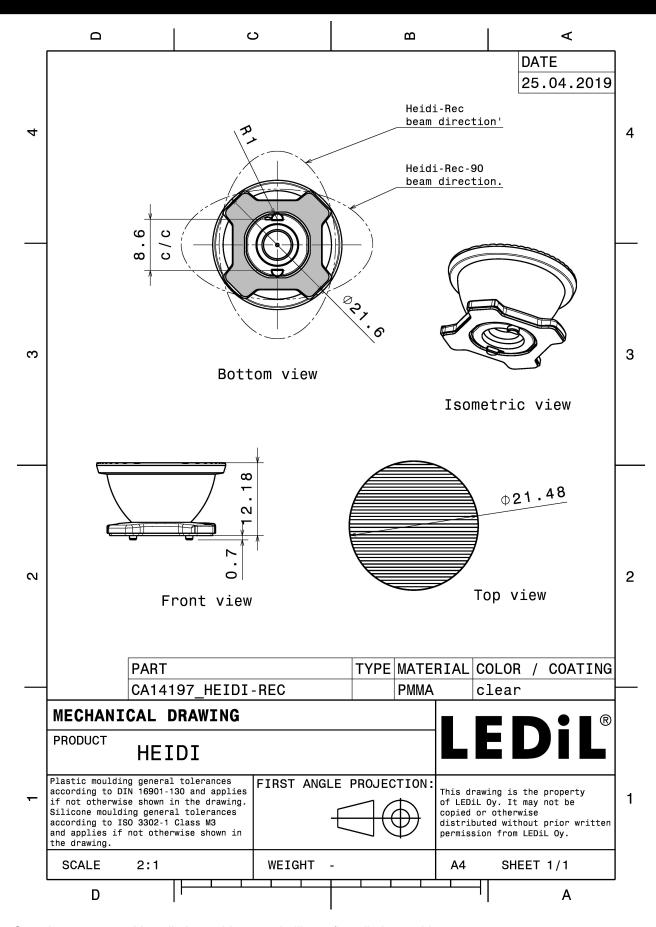
yes 🕕

#### **ORDERING INFORMATION:**

» Box size: 480 x 280 x 300 mm

Component Qty in box MOQ **MPQ** Box weight (kg) CA14197\_HEIDI-REC-90 Single lens 3264 204 204 10.4

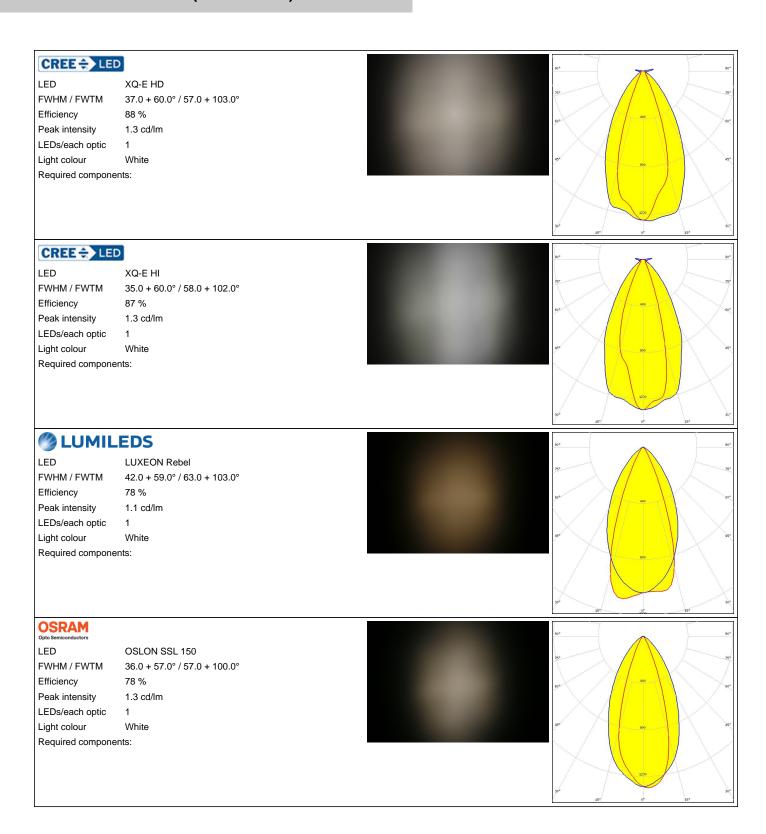
## PRODUCT DATASHEET CA14197\_HEIDI-REC-90



See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>

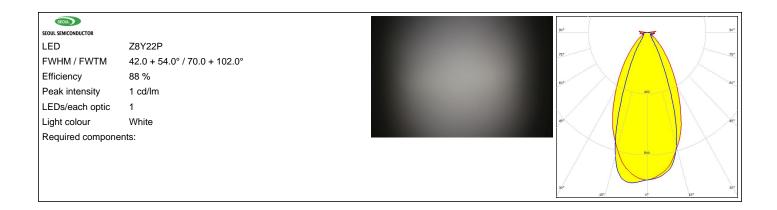


## **OPTICAL RESULTS (MEASURED):**





## **OPTICAL RESULTS (MEASURED):**





## **OPTICAL RESULTS (SIMULATED):**

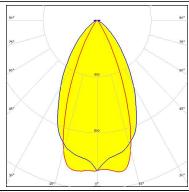


LED LUXEON HL2Z

FWHM / FWTM 44.0 + 60.0° / 66.0 + 103.0°

Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



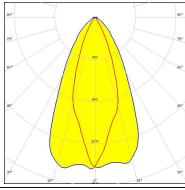
## **MUMILEDS**

LED LUXEON SunPlus 20 Line (120 deg)

FWHM / FWTM 35.0 + 56.0° / 61.0 + 100.0°

Efficiency 88 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:



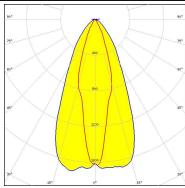
## **MATERIAL PROPERTY OF THE PROP**

LED LUXEON SunPlus 20 Line (150 deg)

FWHM / FWTM 26.0 + 50.0° / 56.0 + 94.0°

Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

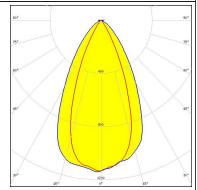


## **DESCRIPTION** LUMILEDS

LED LUXEON TX

FWHM / FWTM 42.0 + 59.0° / 65.0 + 101.0°

Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:





## **OPTICAL RESULTS (SIMULATED):**

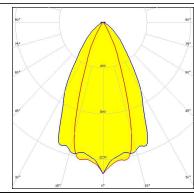


LED LUXEON Z ES

FWHM / FWTM 37.0 + 62.0° / 60.0 + 102.0°

Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:



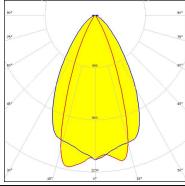
## **WNICHIA**

LED NCSxx19A

FWHM / FWTM 41.0 + 64.0° / 61.0 + 104.0°

Efficiency 89 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

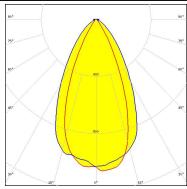


### **WNICHIA**

Required components:

LED NVSxx19B/NVSxx19C FWHM / FWTM 45.0 + 60.0° / 68.0 + 102.0°

Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White



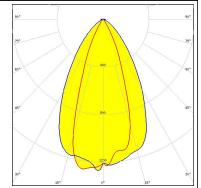
#### **OSRAM**

LED OSCONIQ P 3030

FWHM / FWTM 38.0 + 62.0° / 61.0 + 104.0°

Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:





## **OPTICAL RESULTS (SIMULATED):**

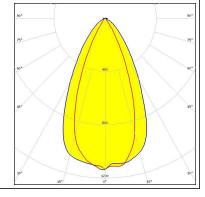
OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM  $43.0 + 58.0^{\circ} / 65.0 + 100.0^{\circ}$ 

Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:





## PRODUCT DATASHEET CA14197\_HEIDI-REC-90

#### **GENERAL INFORMATION:**

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

#### **MATERIALS:**

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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