

HEIDI-O-90

 \sim 13° x 45° oval beam optimized for Cree XP-G and XP-E. Variant with beam direction rotated 90°.

SPECIFICATION:

Ø 21.6 mm
12.1 mm
tape, pin
yes 🕕



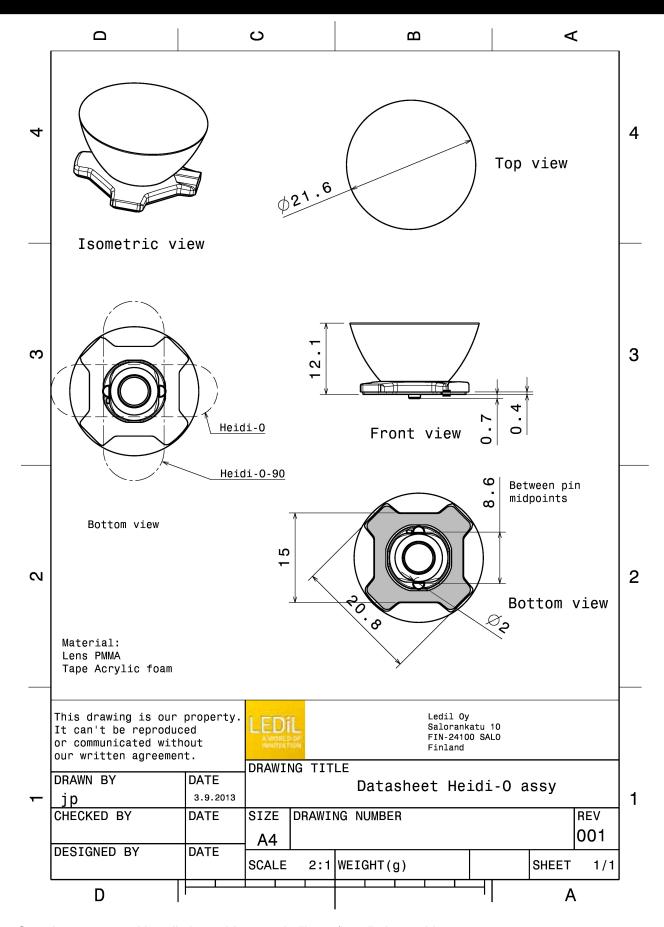
MATERIALS:

Component	Туре	Material	Colour	Finish
HEIDI-O-90	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11267_HEIDI-O-90	Single lens	3264	204	204	10.4
» Box size: 480 x 280 x 300 mm					

LEDIL®



See also our general installation guide: www.ledil.com/installation_guide

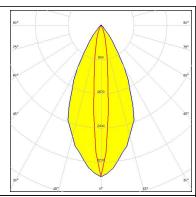


CREE . LED

LED XB-0

FWHM / FWTM 12.0 + 49.0° / 34.0 + 78.0°

Efficiency 87 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE - LED

LED XB-H

FWHM / FWTM 11.0 + 52.0° / 34.0 + 80.0°

Efficiency 80 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

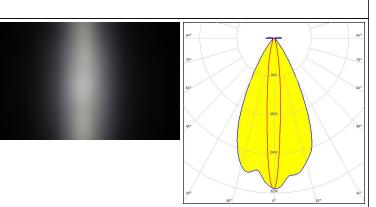


CREE - LED

LED XD16

FWHM / FWTM 11.0 + 52.0° / 30.0 + 76.0°

Efficiency 88 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

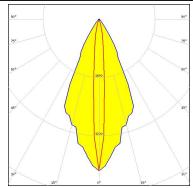


CREE - LED

LED XP-E

FWHM / FWTM 9.0 + 50.0° / 25.0 + 72.0°

Efficiency 87 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



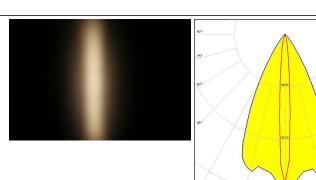


CREE . LED

LED XP-E

FWHM / FWTM $9.0 + 55.0^{\circ}$ / $23.0 + 76.0^{\circ}$

Efficiency 84 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

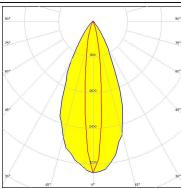


CREE - LED

LED XP-G

FWHM / FWTM 14.0 + 44.0° / 32.0 + 70.0°

Efficiency 87 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

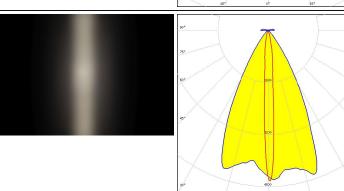


CREE - LED

LED XQ-E HD

FWHM / FWTM 7.0 + 56.0° / 23.0 + 77.0°

Efficiency 94 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

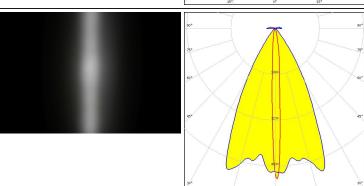


CREE - LED

LED XQ-E HI

FWHM / FWTM 6.0 + 57.0° / 20.0 + 76.0°

Efficiency 94 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



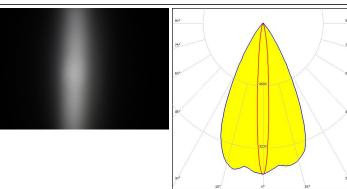




LED LUXEON C

FWHM / FWTM $9.0 + 54.0^{\circ} / 23.0 + 76.0^{\circ}$

Efficiency 79 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

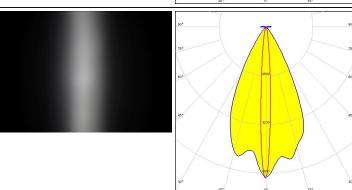


MUMILEDS

LED LUXEON CZ

FWHM / FWTM $8.0 + 52.0^{\circ} / 19.0 + 73.0^{\circ}$

Efficiency 92 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

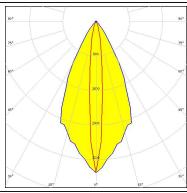


WNICHIA

LED NCSxx19A

FWHM / FWTM 10.0 + 50.0° / 30.0 + 75.0°

Efficiency 82 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

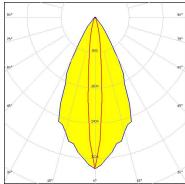


WNICHIA

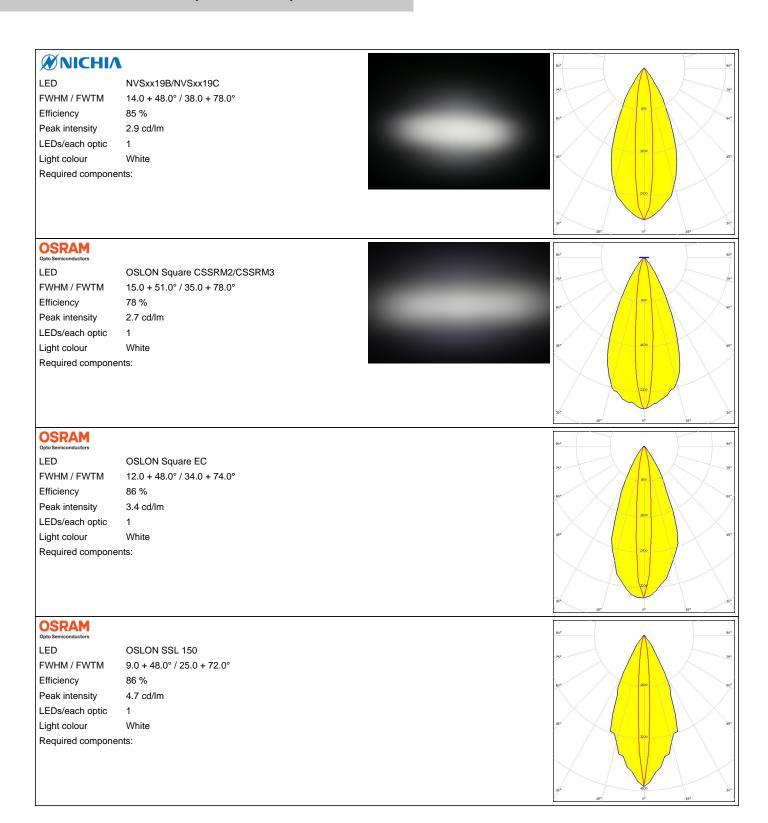
LED NVSxx19A

FWHM / FWTM 10.0 + 49.0° / 31.0 + 76.0°

Efficiency 82 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:









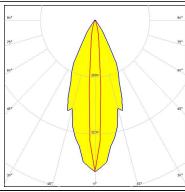
OSRAM

LED OSLON SSL 80

FWHM / FWTM 9.0 + 42.0° / 27.0 + 70.0°

Efficiency 83 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1

Light colour White Required components:



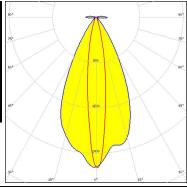
SAMSUNG

LED LH181B

FWHM / FWTM 14.0 + 51.0° / 35.0 + 77.0°

Efficiency 89 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



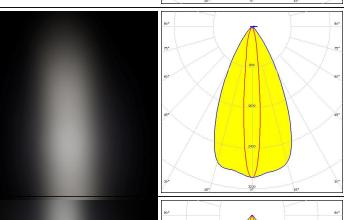


SAMSUNG

LED LH351B

FWHM / FWTM 13.0 + 52.0° / 34.0 + 78.0°

Efficiency 83 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

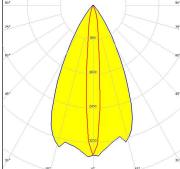


SAMSUNG

LED LH3512

FWHM / FWTM 11.0 + 54.0° / 31.0 + 78.0°

Efficiency 82 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:





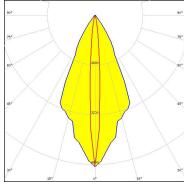


LED 2

Required components:

FWHM / FWTM $8.0 + 50.0^{\circ}$ / $21.0 + 72.0^{\circ}$

Efficiency 86 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour White



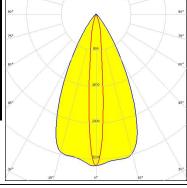
SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2

FWHM / FWTM 11.0 + 53.0° / 31.0 + 77.0°

Efficiency 84 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



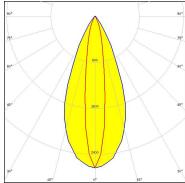


SHARP

LED Double Dome (GM2BB)

FWHM / FWTM 16.0 + 44.0° / 40.0 + 70.0°

Efficiency 82 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:





OPTICAL RESULTS (SIMULATED):

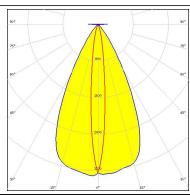


LED LUXEON HL2Z

FWHM / FWTM $12.0 + 54.0^{\circ}$ / $28.0 + 76.0^{\circ}$

Efficiency 88 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:



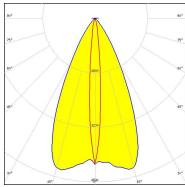
MUMILEDS

LED LUXEON SunPlus 20 Line (120 deg)

FWHM / FWTM 9.0 + 52.0° / 22.0 + 76.0°

Efficiency 91 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

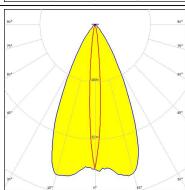


MILEDS

LED LUXEON SunPlus 20 Line (150 deg)

FWHM / FWTM 9.0 + 52.0° / 20.0 + 76.0°

Efficiency 87 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

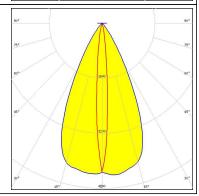


DESCRIPTION LUMILEDS

LED LUXEON Z ES

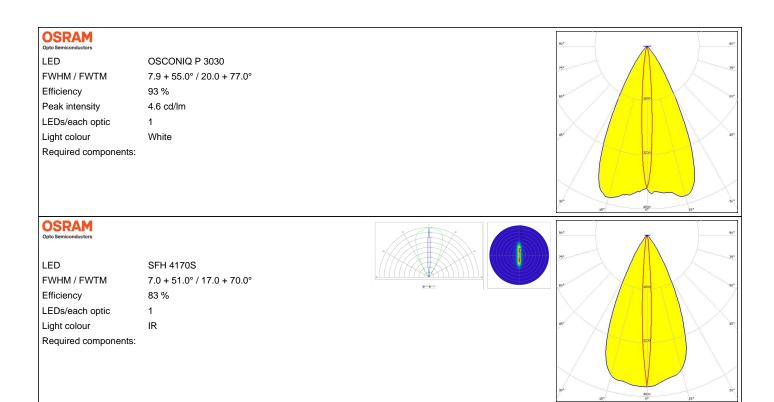
FWHM / FWTM 8.7 + 52.0° / 21.0 + 74.0°

Efficiency 92 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:





OPTICAL RESULTS (SIMULATED):





PRODUCT DATASHEET CA11267_HEIDI-O-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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDIL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405, Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support

www.ledil.com/ where_to_buy

Shipping locations

Salo, Finland Hong Kong, China

Distribution Partners

www.ledil.com/ where_to_buy