

HEIDI-O-90

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

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	12.1 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

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

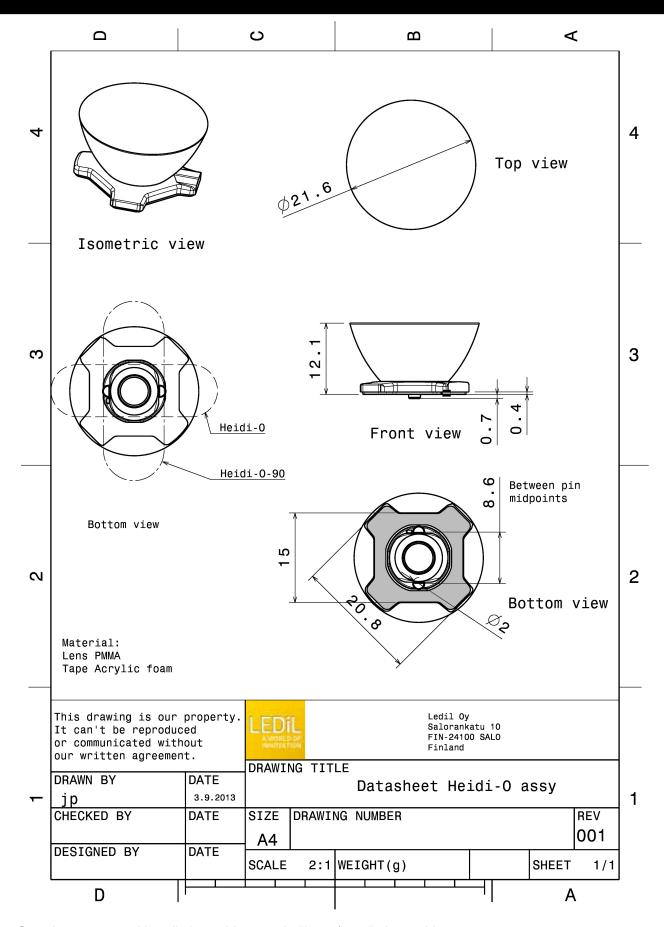
ORDERING INFORMATION:

» Box size: 480 x 280 x 300 mm

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11267_HEIDI-O-90	Single lens	3264	204	204	10.4

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

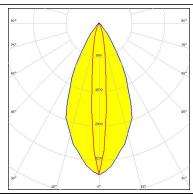


CREE 💠

LED XB-D

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



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Required components:

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:

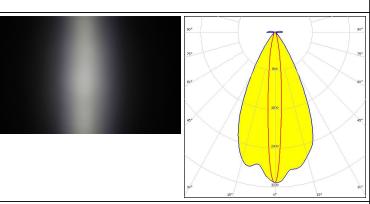


CREE 🕏

LED 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:

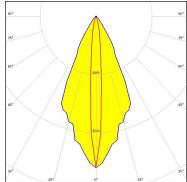


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_ED XP-E

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:



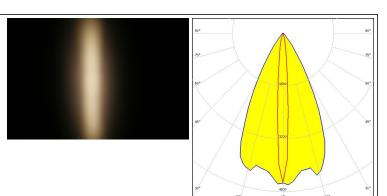


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LED XP-E

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:

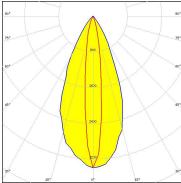


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LED XP-G

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:

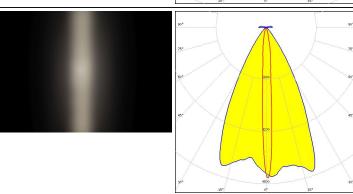


CREE 💠

LED XQ-E HD

FWHM / FWTM $7.0 + 56.0^{\circ} / 23.0 + 77.0^{\circ}$

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

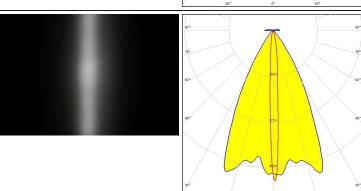


CREE 💠

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:



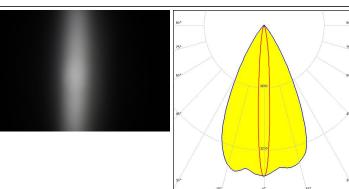




LED LUXEON C

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:

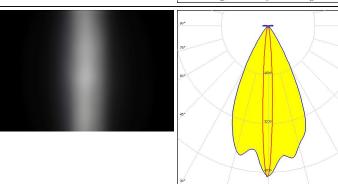


MUMILEDS

LED LUXEON CZ

FWHM / FWTM 8.0 + 52.0° / 19.0 + 73.0°

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

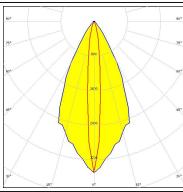


WNICHIA

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:

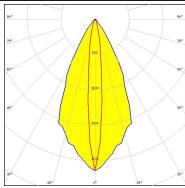


WNICHIA

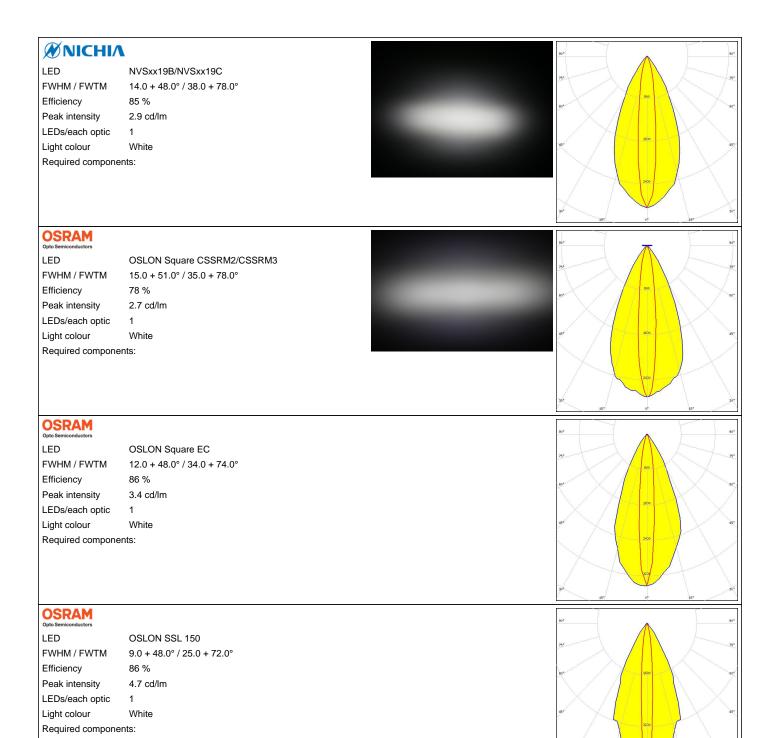
LED NVSxx19A

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:









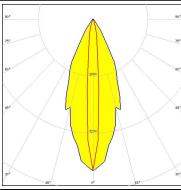
OSRAM

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:



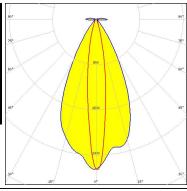
SAMSUNG

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:



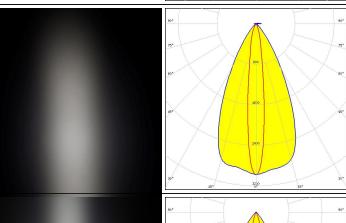


SAMSUNG

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:

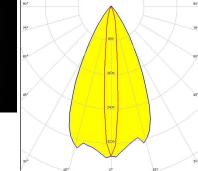


SAMSUNG

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:





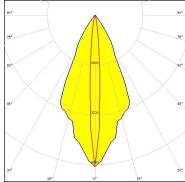


LED

FWHM / FWTM 8.0 + 50.0° / 21.0 + 72.0°

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

Required components:



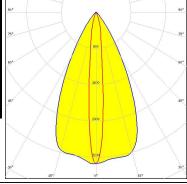
SEOUL SEMICONDUCTOR

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:



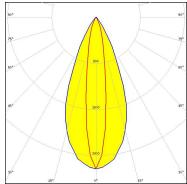


SHARP

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:





PHOTOMETRIC DATA (SIMULATED):

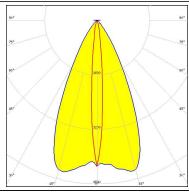
MUMILEDS

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:



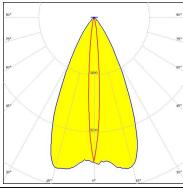
MUMILEDS

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:



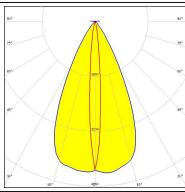
MATERIAL PROPERTY OF THE PROP

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:



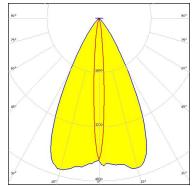
OSRAM

LED OSCONIQ P 3030

FWHM / FWTM $7.9 + 55.0^{\circ} / 20.0 + 77.0^{\circ}$

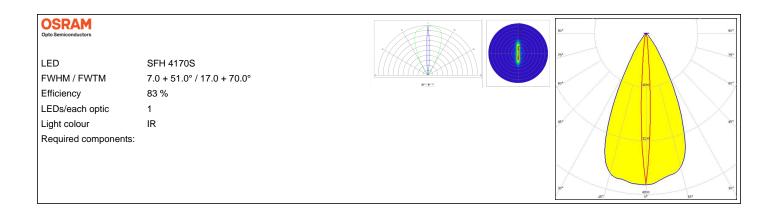
Efficiency 93 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:





PHOTOMETRIC DATA (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.

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