

HEIDI-O-90

~13° x 45° oval beam optimized for Luxeon Rebel. Variant with beam direction rotated 90°.

SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIALS:

Component	Туре	Material	Colour	Finish	Length
HEIDI-O-90	Single lens	PMMA	clear		21.6
HEIDI-TAPE	Tape	Acrylic foam	black		

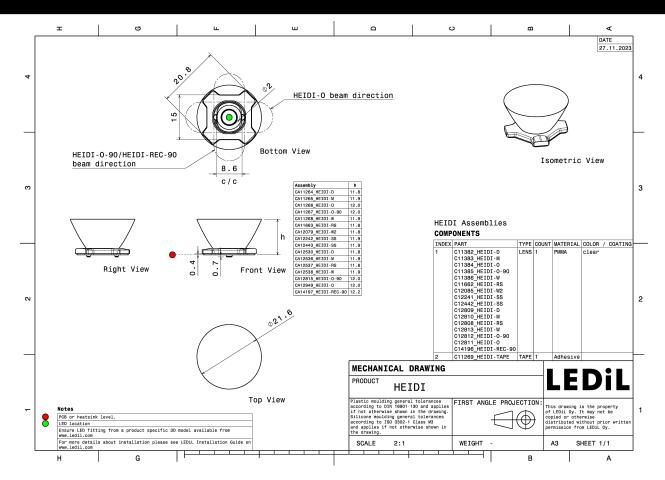
ORDERING INFORMATION:

» Box size: 480 x 280 x 300 mm

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12815_HEIDI-O-90	Single lens	3264	204	204	11.1



PRODUCT DATASHEET CA12815_HEIDI-O-90



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



CREE \$

LED XHP35 HD

FWHM / FWTM 17.0 + 38.0° / 44.0 + 68.0°

Efficiency 84 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

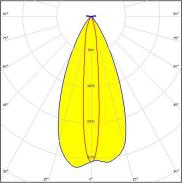
CREE -

LED XHP35 HI

FWHM / FWTM 13.0 + 47.0° / 36.0 + 73.0°

Efficiency 94 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:





Light distribution files

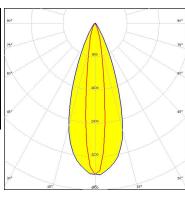
CREE -

LED XP-L HD

FWHM / FWTM 16.0 + 40.0° / 38.0 + 63.0°

Efficiency 88 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:





Light distribution files

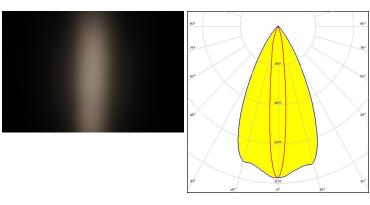


DIVIDITION

LED LUXEON A

FWHM / FWTM 14.0 + 54.0° / 34.0 + 79.0°

Efficiency 82 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



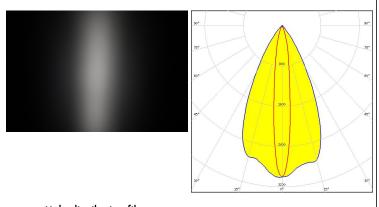
Light distribution files

UMILEDS

LED LUXEON R

FWHM / FWTM 13.0 + 54.0° / 35.0 + 78.0°

Efficiency 82 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



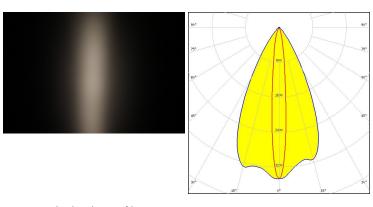
Light distribution files

DESCRIPTION

LED LUXEON Rebel

FWHM / FWTM 12.0 + 54.0° / 30.0 + 78.0°

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



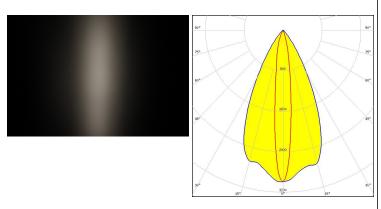
Light distribution files



DESCRIPTION

LED LUXEON Rebel ES FWHM / FWTM 13.0 + 53.0° / 35.0 + 79.0°

Efficiency 81 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

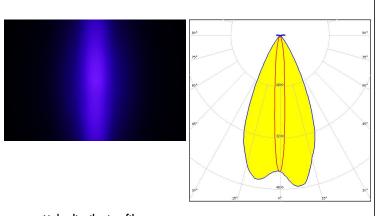


LED SST-10-B130

FWHM / FWTM 9.0 + 49.0° / 27.0 + 71.0°

Efficiency 93 %
Peak intensity 4.7 cd/lm

LEDs/each optic 1
Light colour/type Blue
Required components:



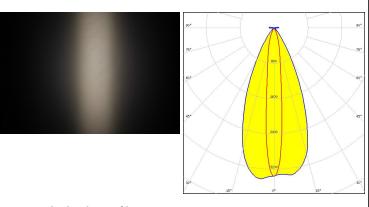
Light distribution files



LED NVSW219D

FWHM / FWTM 12.0 + 46.0° / 37.0 + 73.0°

Efficiency 94 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

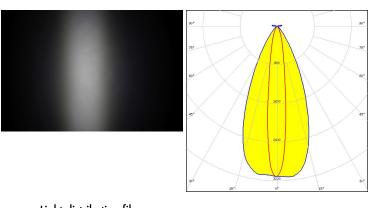


WNICHIA

LED NVSW319B

FWHM / FWTM 14.0 + 47.0° / 37.0 + 74.0°

Efficiency 94 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

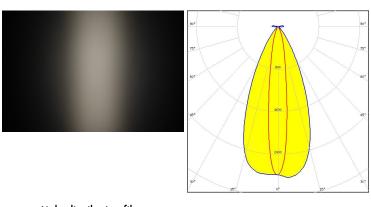
WNICHIA

LED NVSW3x9A

FWHM / FWTM 15.0 + 47.0° / 38.0 + 75.0°

Efficiency 90 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



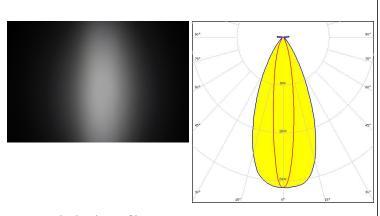
Light distribution files



LED NVSW519A

FWHM / FWTM 16.0 + 46.0° / 44.0 + 76.0°

Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



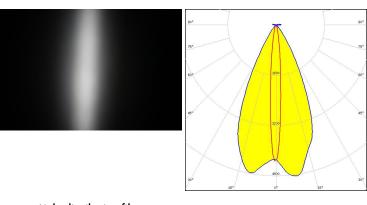
Light distribution files



OSRAM Opto Semiconductors

OSLON SSL 150 FWHM / FWTM 9.0 + 50.0° / 23.0 + 71.0°

Efficiency 93 % Peak intensity 4.9 cd/lm LEDs/each optic White Light colour/type Required components:

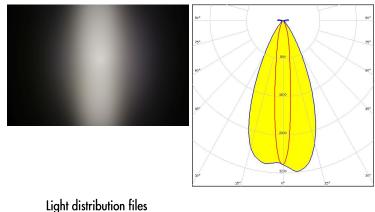


Light distribution files



FWHM / FWTM 13.0 + 47.0° / 38.0 + 73.0°

Efficiency 94 % Peak intensity 3.2 cd/lm LEDs/each optic Light colour/type White Required components:

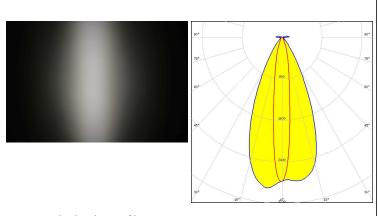




LED Z8Y22P

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 13.0 + 47.0° / 38.0 + 74.0°

Efficiency 92 % Peak intensity 2.9 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files



OPTICAL RESULTS (SIMULATED):

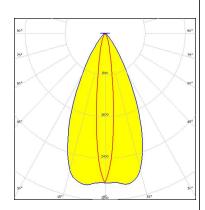


LED XP-G2 HE

FWHM / FWTM 14.0 + 50.0° / 34.0 + 78.0°

Efficiency 88 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

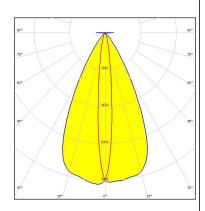


LED LUXEON HL2Z

FWHM / FWTM 12.0 + 54.0° / 28.0 + 76.0°

Efficiency 89 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

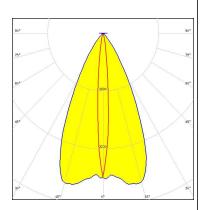


LED LUXEON SunPlus 20 Line (150 deg)

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

Efficiency 88 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



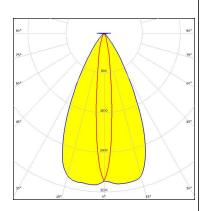
OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors

LED OSCONIQ P 3737 Flat FWHM / FWTM 12.0 + 54.0° / 32.0 + 78.0°

Efficiency 91 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



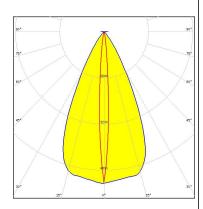
Light distribution files

OSRAM Opto Semiconductors

LED OSLON Pure 1414 FWHM / FWTM 8.0 + 52.0° / 16.0 + 73.0°

Efficiency 93 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



PRODUCT DATASHEET CA12815_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:

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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

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