

HEIDI-O-90

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

SPECIFICATION:

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

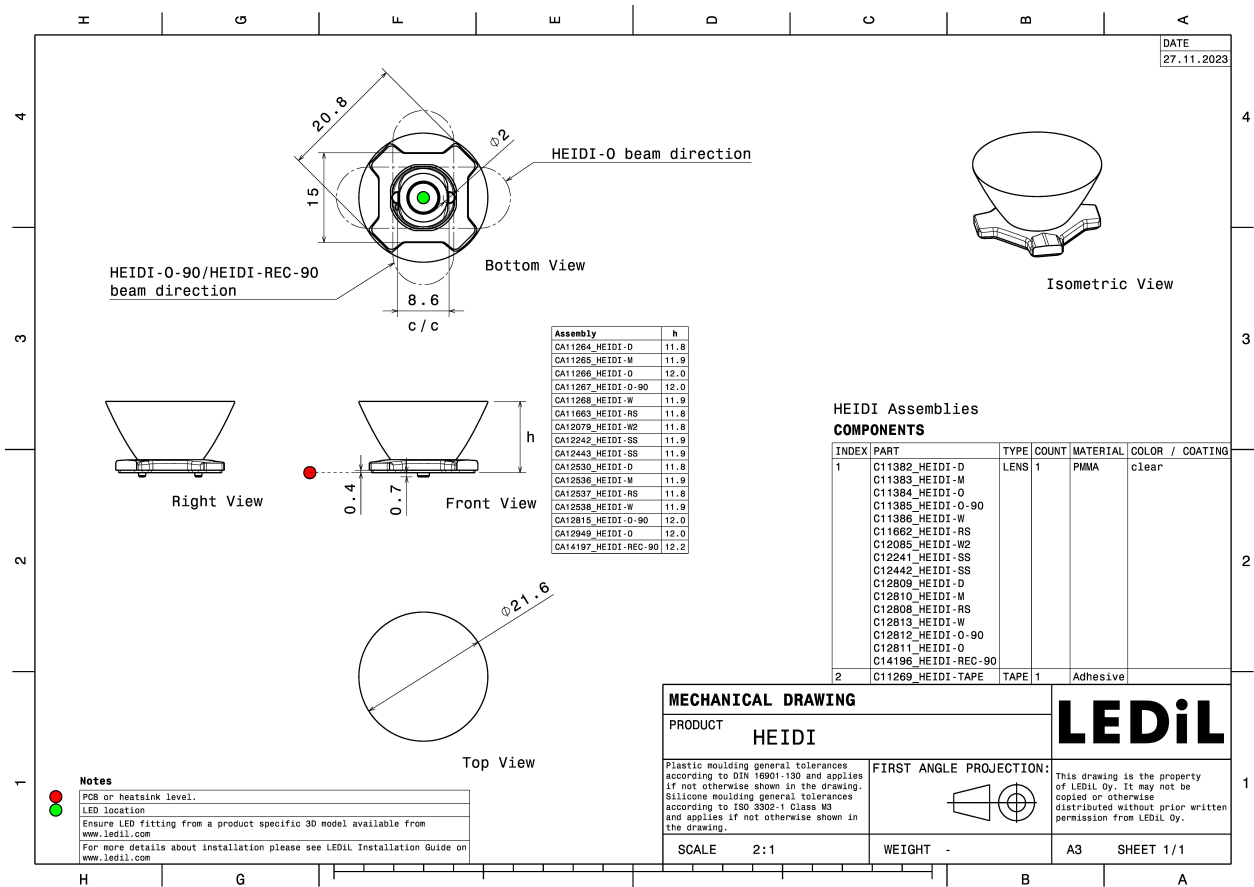


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HEIDI-O-90	Single lens	PMMA	clear		
HEIDI-TAPE	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12815_HEIDI-O-90	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					



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

OPTICAL RESULTS (MEASURED):



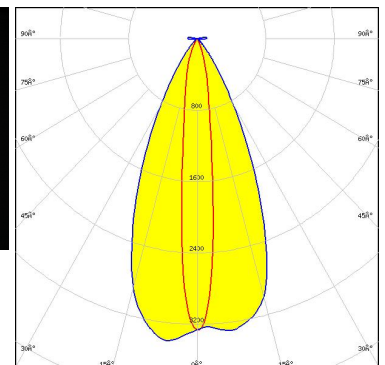
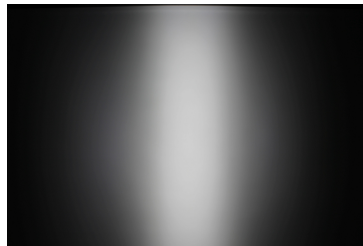
LED	XHP35 HD
FWHM / FWTM	17.0 + 38.0° / 44.0 + 68.0°
Efficiency	84 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



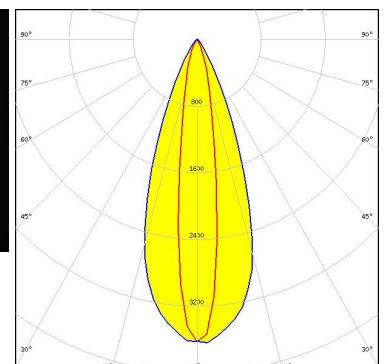
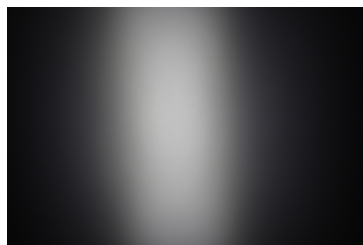
LED	XHP35 HI
FWHM / FWTM	13.0 + 47.0° / 36.0 + 73.0°
Efficiency	94 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



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:	

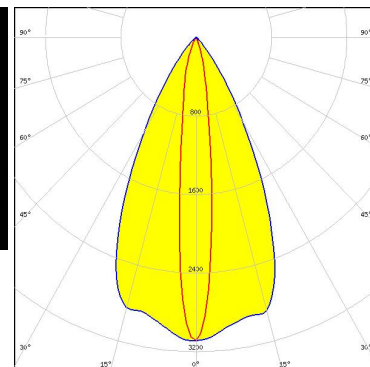
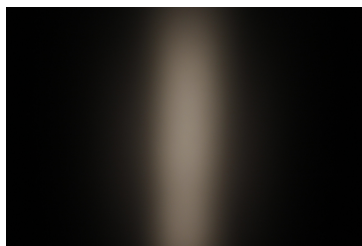


Light distribution files

OPTICAL RESULTS (MEASURED):



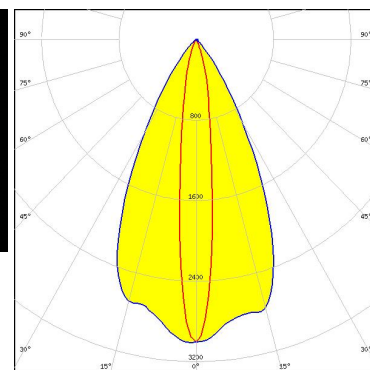
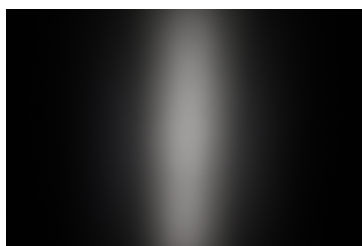
LED LUXEON A
 FWHM / FWTM 14.0 + 54.0° / 34.0 + 79.0°
 Efficiency 82 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



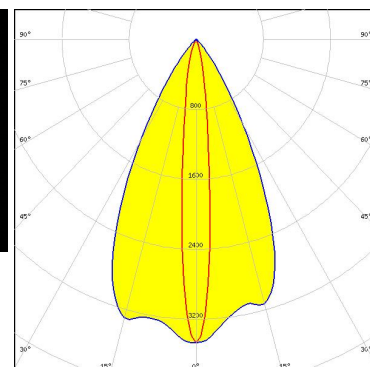
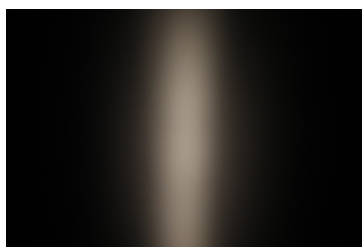
LED LUXEON R
 FWHM / FWTM 13.0 + 54.0° / 35.0 + 78.0°
 Efficiency 82 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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:

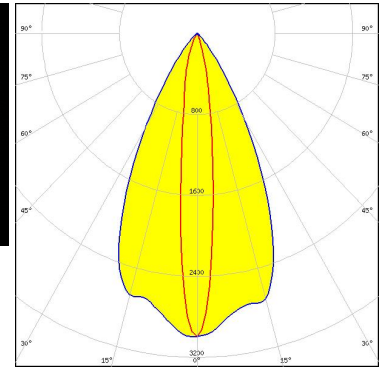
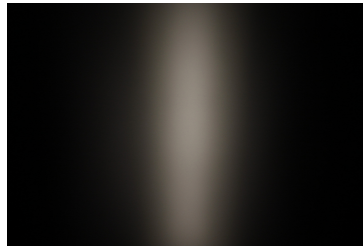


Light distribution files

OPTICAL RESULTS (MEASURED):



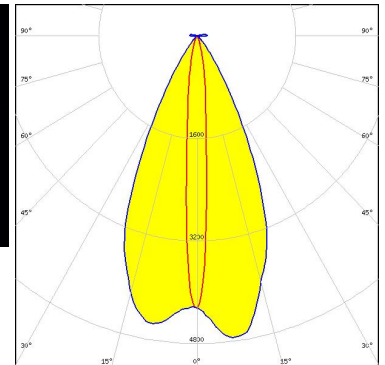
LED LUXEON Rebel ES
 FWHM / FWTM 13.0 + 53.0° / 35.0 + 79.0°
 Efficiency 81 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



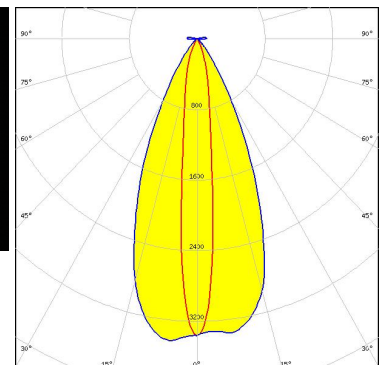
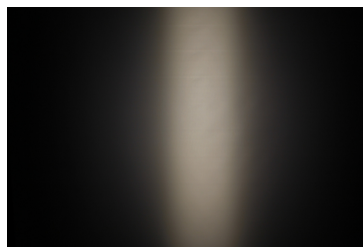
LED SST-10-B130
 FWHM / FWTM 9.0 + 49.0° / 27.0 + 71.0°
 Efficiency 93 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type Blue
 Required components:



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:

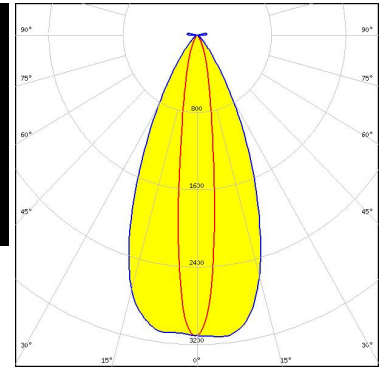
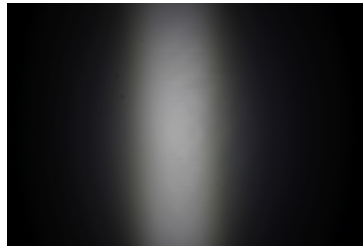


Light distribution files

OPTICAL RESULTS (MEASURED):



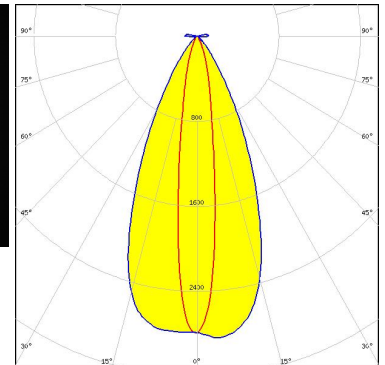
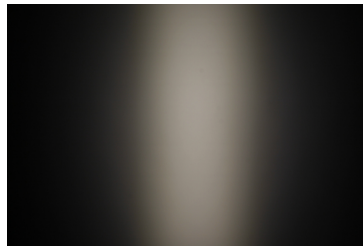
LED NVSW319B
 FWHM / FWTM 14.0 + 47.0° / 37.0 + 74.0°
 Efficiency 94 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



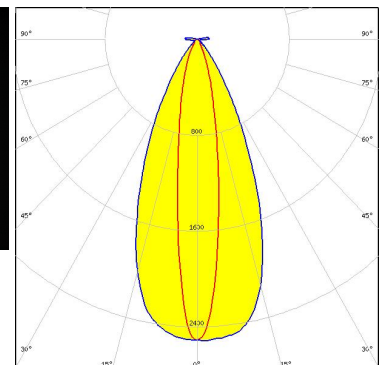
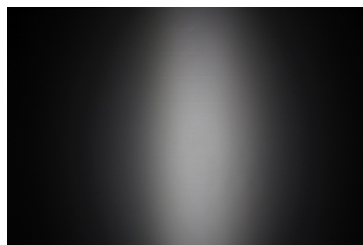
LED NVSW3x9A
 FWHM / FWTM 15.0 + 47.0° / 38.0 + 75.0°
 Efficiency 90 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

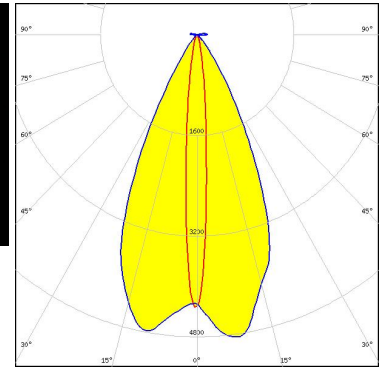
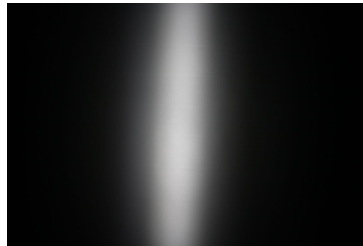


Light distribution files

OPTICAL RESULTS (MEASURED):



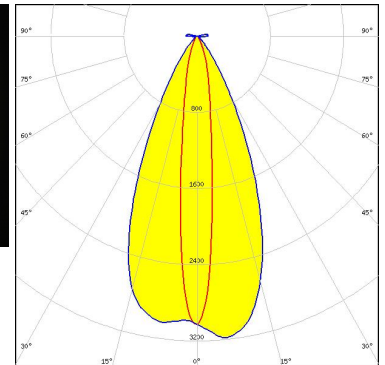
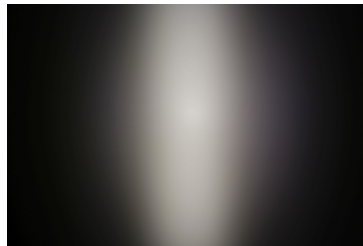
LED OSLON SSL 150
 FWHM / FWTM 9.0 + 50.0° / 23.0 + 71.0°
 Efficiency 93 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



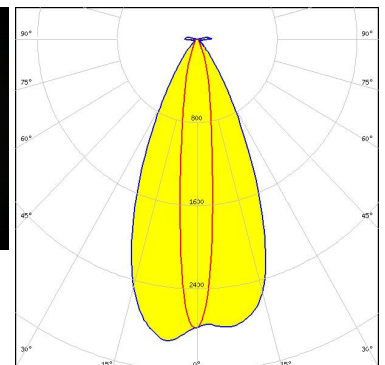
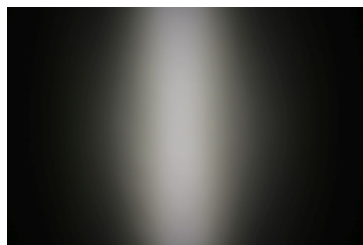
LED Z5M3
 FWHM / FWTM 13.0 + 47.0° / 38.0 + 73.0°
 Efficiency 94 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y22P
 FWHM / FWTM 13.0 + 47.0° / 38.0 + 74.0°
 Efficiency 92 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

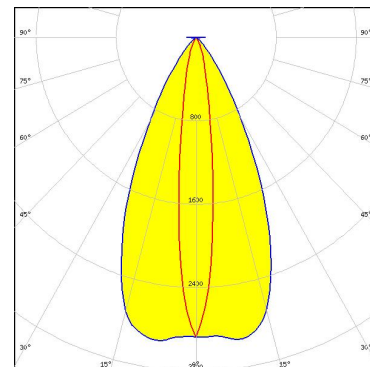


Light distribution files

OPTICAL RESULTS (SIMULATED):



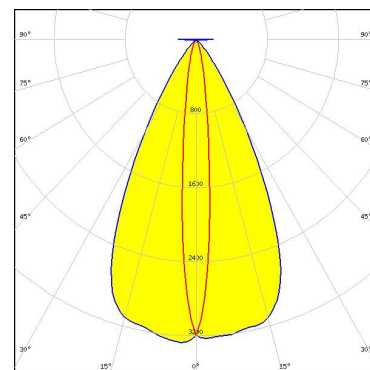
LED XP-G2 HE
FWHM / FWTM 14.0 + 50.0° / 34.0 + 78.0°
Efficiency 88 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



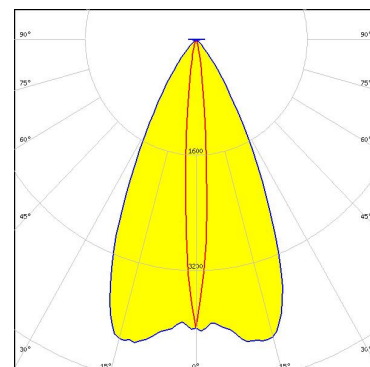
LED LUXEON HL2Z
FWHM / FWTM 12.0 + 54.0° / 28.0 + 76.0°
Efficiency 89 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

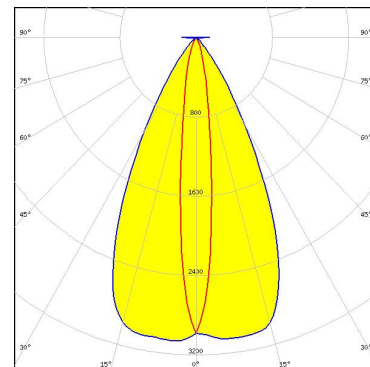


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

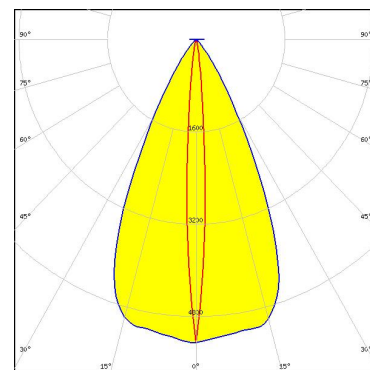
LED OSCONIQ P 3737 Flat
FWHM / FWTM 12.0 + 54.0° / 32.0 + 78.0°
Efficiency 91 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLO 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

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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