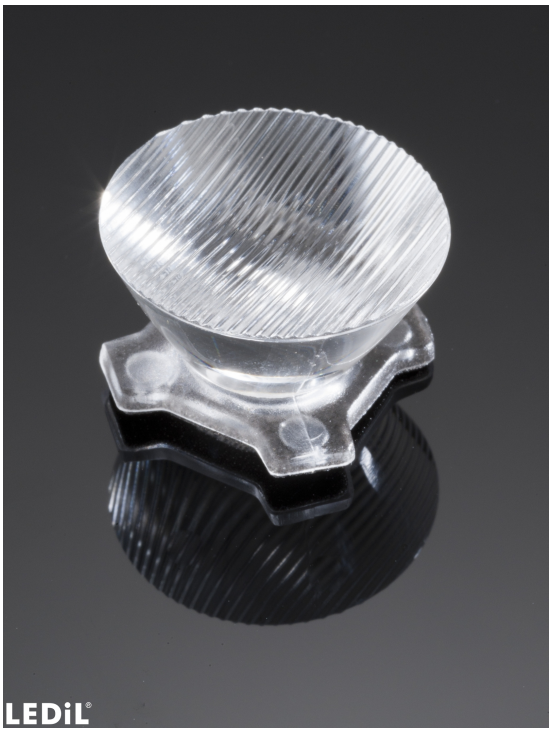
HEIDI-O

~50° x 11° oval beam



SPECIFICATION:

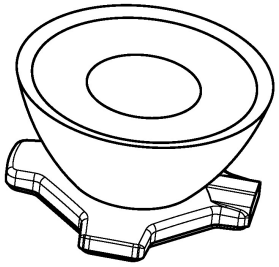
Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

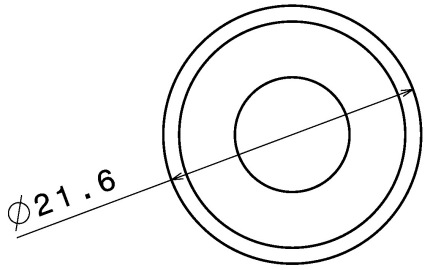
Component	Type	Material	Colour	Finish
HEIDI-O	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

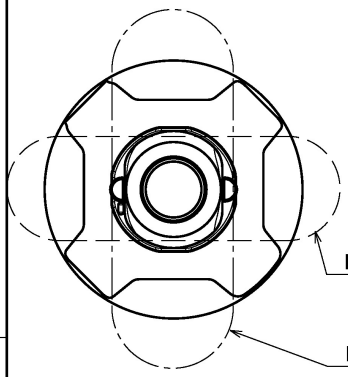
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12949_HEIDI-O » Box size: 480 x 280 x 300 mm	Single lens	3264	204	204	11.1



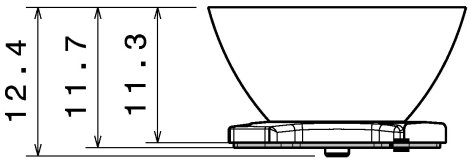
Isometric view



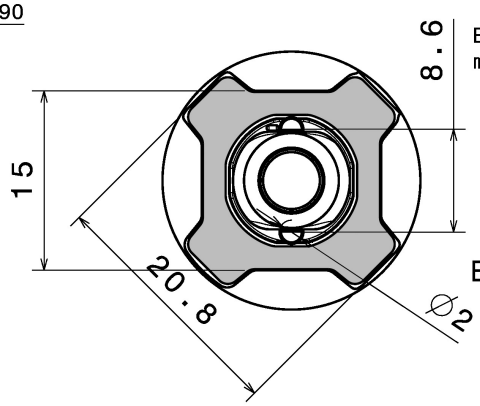
Top view



Bottom view
OVAL BEAM direction



Front view



Bottom view

Note:
Oval models height 11.9

Material:
Lens PMMA
Tape PU Foam

Ledil Oy
Joensuunkatu 13
FIN-24100 SALO
Finland

DRAWN BY	DATE
ah	1.2.2012
CHECKED BY	DATE
DESIGNED BY	DATE

DRAWING TITLE: Datasheet Heidi-Series Assy

SIZE	DRAWING NUMBER	REV
A4		2

SCALE 2:1	WEIGHT(g)		SHEET 1/1

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

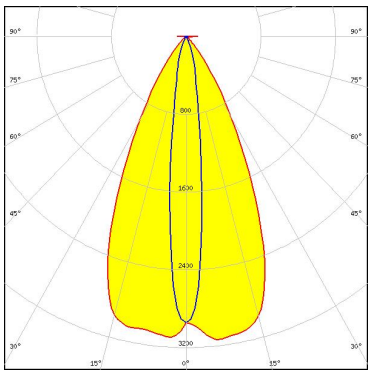
OPTICAL RESULTS (MEASURED):

CREE LED

LED	XHP35 HD
FWHM / FWTM	51.0 + 18.0° / 84.0 + 50.0°
Efficiency	77 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

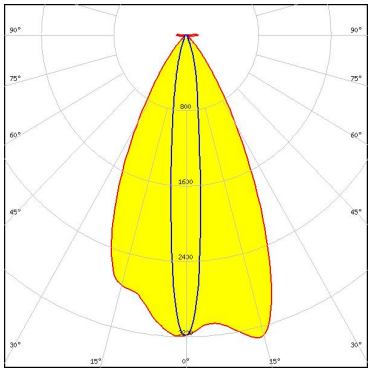
CREE LED

LED	XHP35 HI
FWHM / FWTM	53.0 + 14.0° / 80.0 + 40.0°
Efficiency	79 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



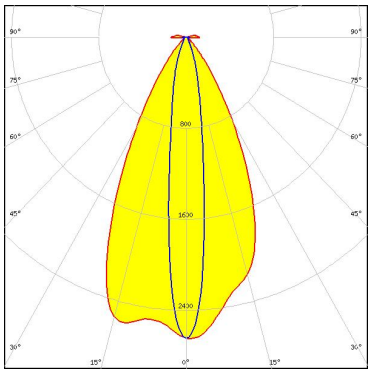
CREE LED

LED	XP-G2
FWHM / FWTM	52.0 + 12.0° / 78.0 + 33.0°
Efficiency	91 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

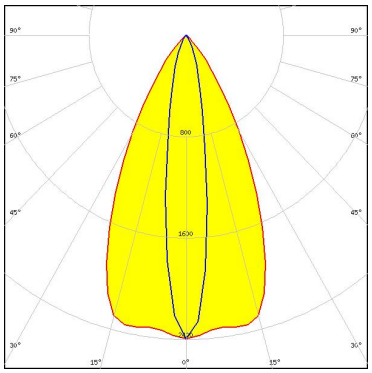
LED	XP-G3
FWHM / FWTM	51.0 + 14.0° / 79.0 + 39.0°
Efficiency	90 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (MEASURED):

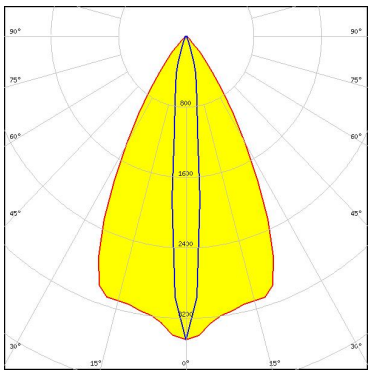
CREE LED

LED	XP-L HD
FWHM / FWTM	52.0 + 16.0° / 79.0 + 41.0°
Efficiency	81 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



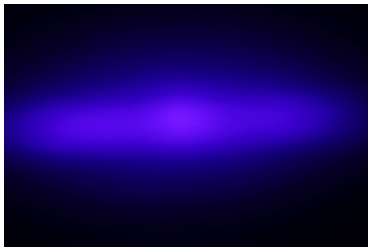
LUMILEDS

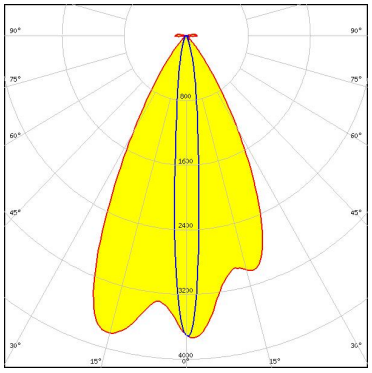
LED	LUXEON Rebel ES
FWHM / FWTM	53.0 + 12.0° / 76.0 + 33.0°
Efficiency	82 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMINUS

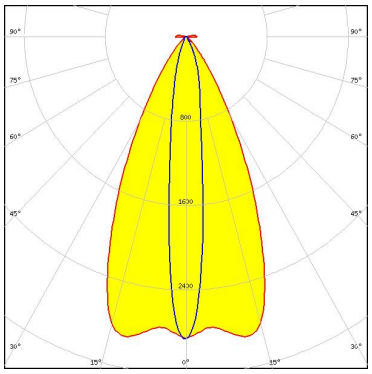
LED	SST-10-B130
FWHM / FWTM	54.0 + 9.5° / 77.0 + 28.0°
Efficiency	90 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	





NICHIA

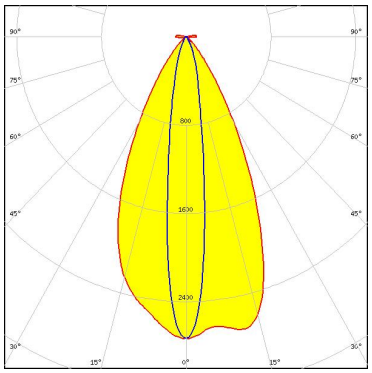
LED	NVSW219D
FWHM / FWTM	51.0 + 13.0° / 78.0 + 40.0°
Efficiency	91 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (MEASURED):

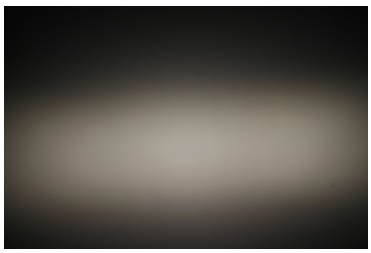
NICHIA

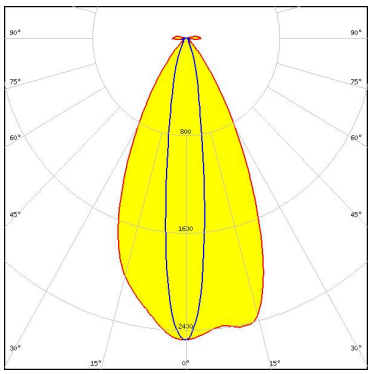
LED	NVSW319B
FWHM / FWTM	51.0 + 15.0° / 80.0 + 38.0°
Efficiency	91 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

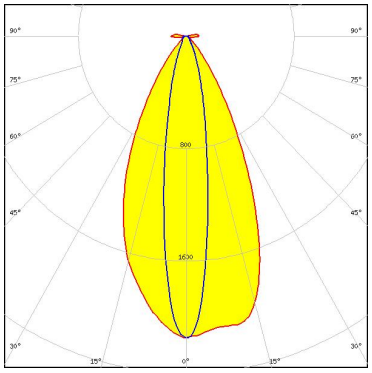
LED	NVSW3x9A
FWHM / FWTM	51.0 + 15.0° / 80.0 + 39.0°
Efficiency	89 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





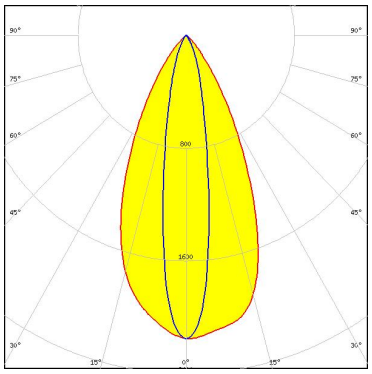
NICHIA

LED	NVSW519A
FWHM / FWTM	50.0 + 18.0° / 81.0 + 44.0°
Efficiency	87 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NWSx229A
FWHM / FWTM	50.0 + 18.0° / 80.0 + 44.0°
Efficiency	76 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

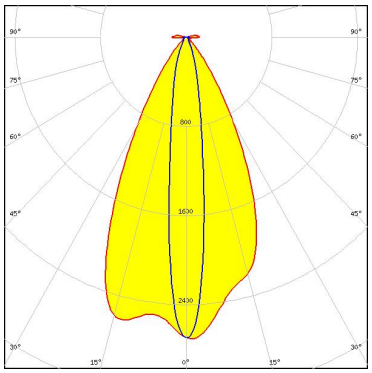


OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	52.0 + 13.0° / 79.0 + 39.0°
Efficiency	92 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White

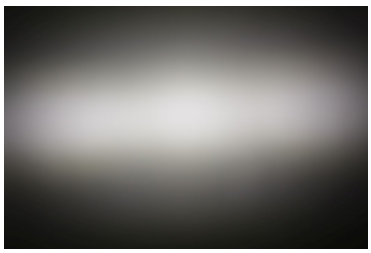
Required components:

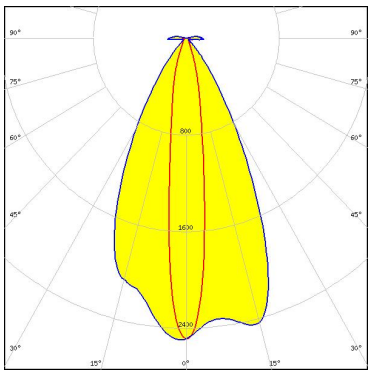


SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	52.0 + 14.0° / 79.0 + 39.0°
Efficiency	90 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

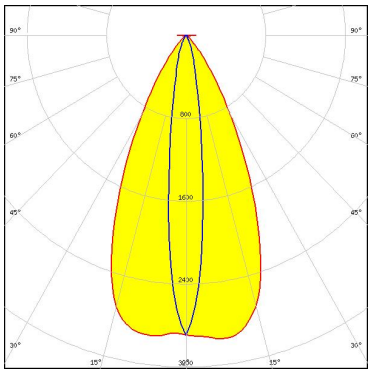




OPTICAL RESULTS (SIMULATED):

CREE LED

LED	XP-G2 HE
FWHM / FWTM	50.0 + 14.0° / 78.0 + 35.0°
Efficiency	88 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

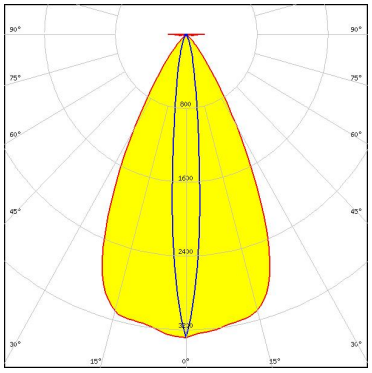


LUMILEDS

LED	LUXEON A
FWHM / FWTM	51.0 + 12.0° / 76.0 + 30.0°
Efficiency	84 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON HL2Z
FWHM / FWTM	54.0 + 10.0° / 76.0 + 28.0°
Efficiency	89 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



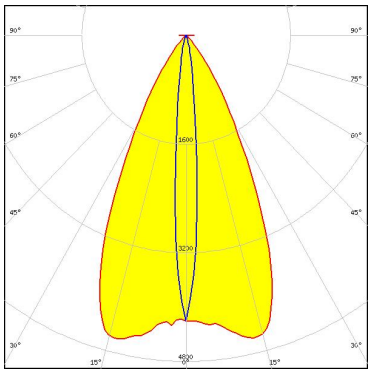
LUMILEDS

LED	LUXEON R
FWHM / FWTM	53.0 + 12.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

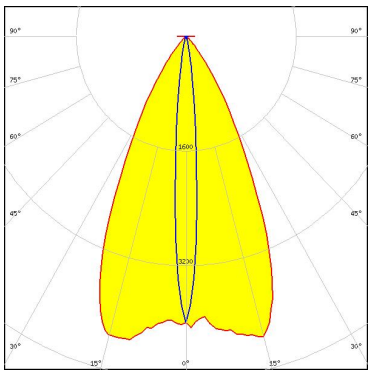
LUMILEDS

LED	LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM	52.0 + 9.0° / 76.0 + 22.0°
Efficiency	91 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



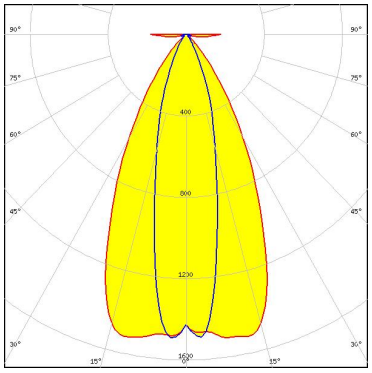
LUMILEDS

LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	52.0 + 10.0° / 76.0 + 20.0°
Efficiency	87 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



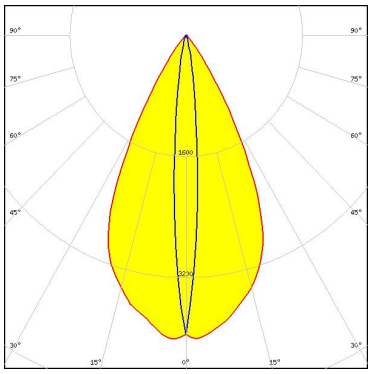
NICHIA

LED	NCSxE17A
FWHM / FWTM	54.0 + 24.0° / 180.0 + 54.0°
Efficiency	81 %
Peak intensity	1.5 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

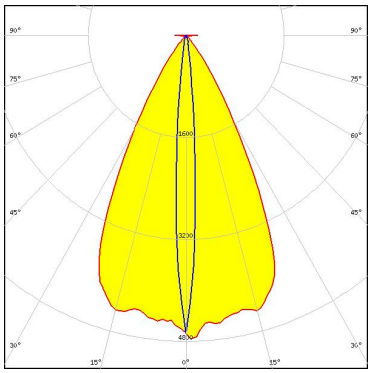
LED	OSLON Black
FWHM / FWTM	53.0 + 9.0° / 54.0 + 23.0°
Efficiency	88 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	54.0 + 8.0° / 74.0 + 18.0°
Efficiency	89 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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