HEIDI-W

~30° wide beam optimized for LUXEON Rebel ES

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	11.1 kg
Quantity in Box	3264 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
HEIDI-W	Single lens	PMMA	clear
HEIDI-TAPE	Tape	PU tape	black

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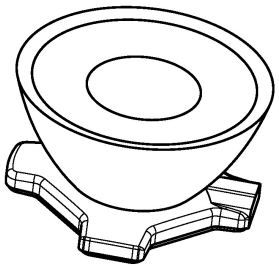
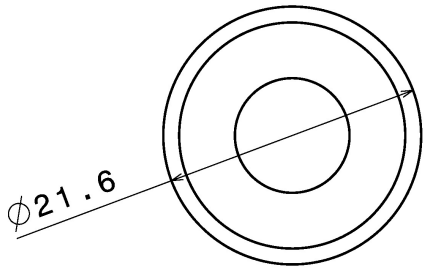
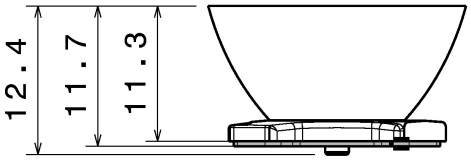


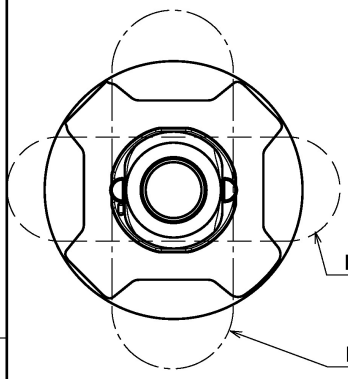
Isometric view



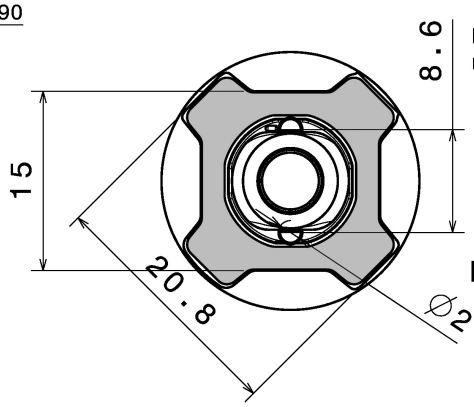
Top view



Front view



Bottom view
OVAL BEAM direction



Bottom view

Note:
Oval models height 11.9

Material:
Lens PMMA
Tape PU Foam

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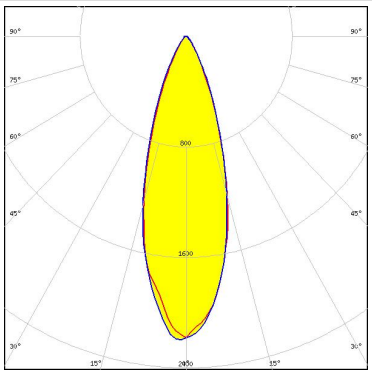
DRAWN BY: ah	DATE: 1.2.2012	DRAWING TITLE: Datasheet Heidi-Series Assy			
CHECKED BY	DATE	SIZE: A4	DRAWING NUMBER		REV: 2
DESIGNED BY	DATE	SCALE: 2:1	WEIGHT(g)		SHEET: 1/1

PHOTOMETRIC DATA (MEASURED):

CREE

LED	XHP35 HD
FWHM	32.0°
Efficiency	84 %
Peak intensity	2.410 cd/lm
LEDs/each optic	1
Light colour	White

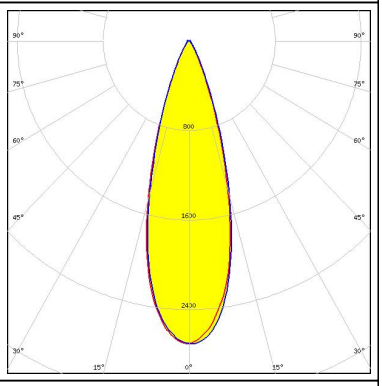
Required components:



CREE

LED	XHP35 HI
FWHM	31.0°
Efficiency	94 %
Peak intensity	2.700 cd/lm
LEDs/each optic	1
Light colour	White

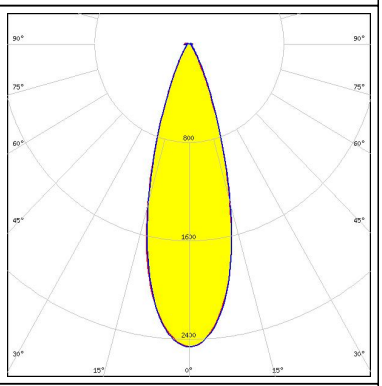
Required components:



CREE

LED	XP-G3
FWHM	32.0°
Efficiency	94 %
Peak intensity	2.500 cd/lm
LEDs/each optic	1
Light colour	White

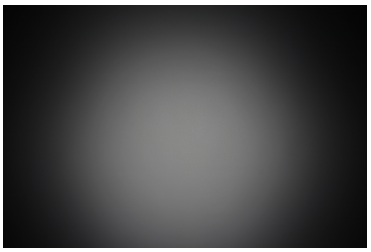
Required components:

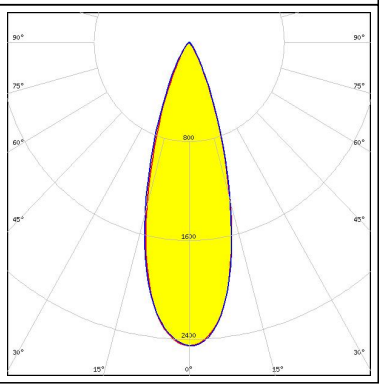


CREE

LED	XP-L HD
FWHM	33.0°
Efficiency	87 %
Peak intensity	2.450 cd/lm
LEDs/each optic	1
Light colour	White

Required components:





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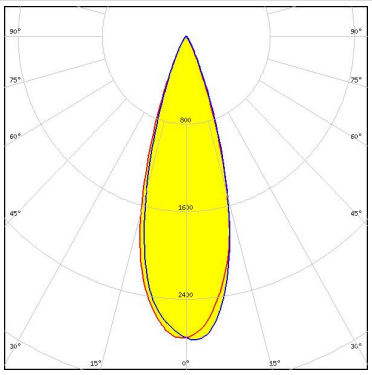
PHOTOMETRIC DATA (MEASURED):

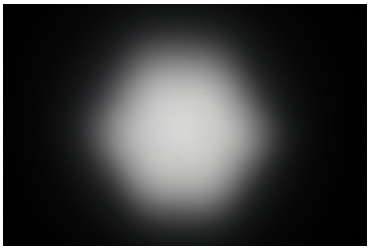
LUMILEDS

LED	LUXEON Rebel
FWHM	32.0°
Efficiency	87 %
Peak intensity	2.800 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



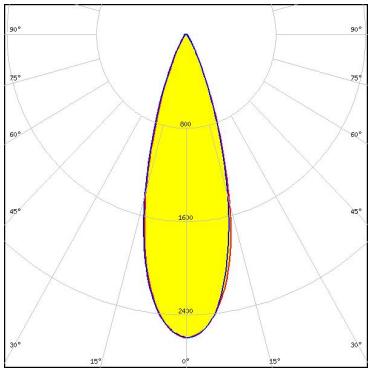
LUMILEDS

LED	LUXEON Rebel ES
FWHM	32.0°
Efficiency	87 %
Peak intensity	2.800 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



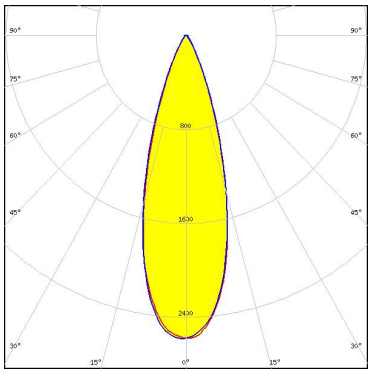
NICHIA

LED	NVSW219D
FWHM	32.0°
Efficiency	94 %
Peak intensity	2.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSW319B
FWHM	32.0°
Efficiency	94 %
Peak intensity	2.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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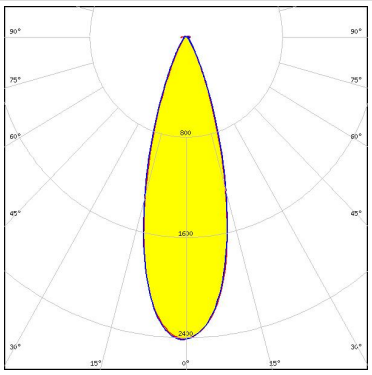
PHOTOMETRIC DATA (MEASURED):

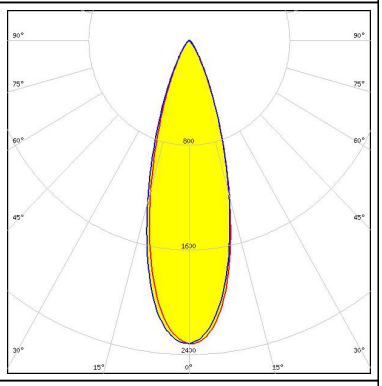
NICHIA

LED	NVSW3x9A
FWHM	31.0°
Efficiency	90 %
Peak intensity	2.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



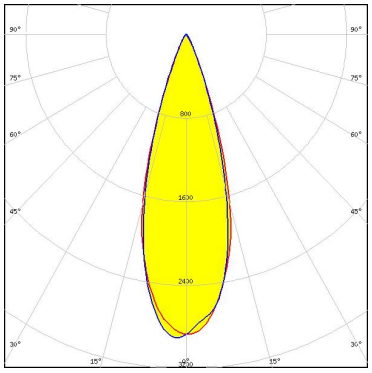
NICHIA

LED	NWSx229A
FWHM	31.0°
Efficiency	83 %
Peak intensity	2.300 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



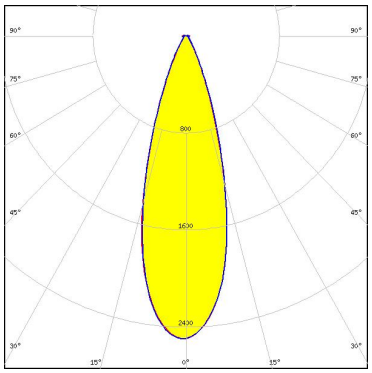
OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM	32.0°
Efficiency	86 %
Peak intensity	2.900 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM	32.0°
Efficiency	94 %
Peak intensity	2.500 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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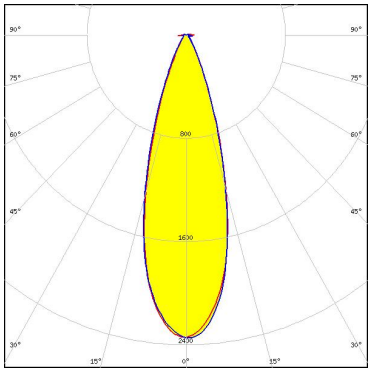
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM	31.0°
Efficiency	92 %
Peak intensity	2.300 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON A
FWHM	31.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 150
FWHM	31.0°
Efficiency	93 %
Peak intensity	0.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 90
FWHM	31.0°
Efficiency	94 %
Peak intensity	0.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON R
FWHM	32.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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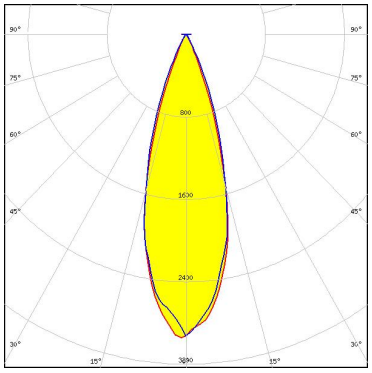
PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON SunPlus 20 Line
FWHM	31.0°
Efficiency	92 %
Peak intensity	2.940 cd/lm
LEDs/each optic	1
Light colour	White

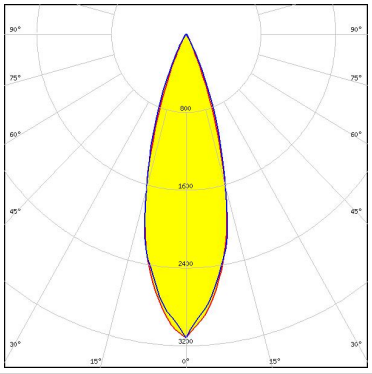
Required components:



LUMILEDS

LED	LUXEON SunPlus 35 Line
FWHM	31.0°
Efficiency	94 %
Peak intensity	3.120 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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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.

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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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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

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

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