HEIDI-D

~10° diffused spot beam optimized for LUXEON Rebel ES

TECHNICAL SPECIFICATIONS:

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

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HEIDI-D	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	PU tape	black	
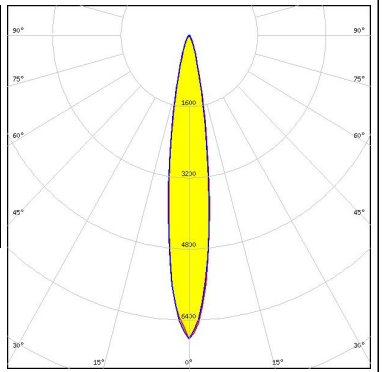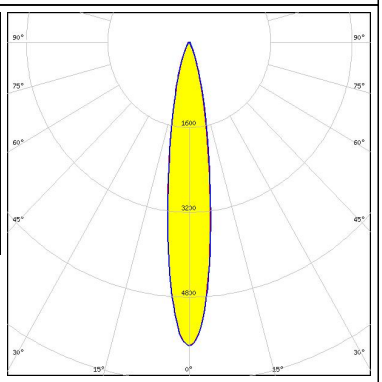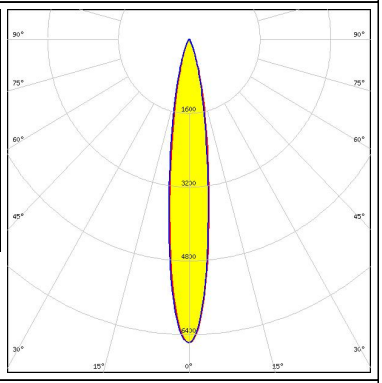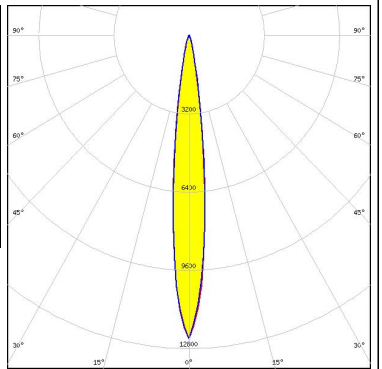
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12530_HEIDI-D	Single lens	3264	204	204	10.3

» Box size: 480 x 280 x 300 mm

D · C · B · A

Top view

⌀21.6

Isometric view

12.4 / 11.7 / 11.3

Front view

Heidi-O

Heidi-O-90

Bottom view
OVAL BEAM direction

Between pin midpoints
8.6

15

20.8

⌀2

Bottom view

Note:
Oval models height 11.9

Material:
Lens PMMA
Tape PU Foam

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Joensuunkatu 13
FIN-24100 SALO
Finland

DRAWING TITLE
Datasheet Heidi-Series Assy

DRAWN BY	DATE			
ah	1.2.2012			
CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV
		A4		2
DESIGNED BY	DATE			
		SCALE 2:1	WEIGHT(g)	SHEET 1/1

D · A

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

PHOTOMETRIC DATA (MEASURED):

CREE⇔LED

LED	XHP35 HD
FWHM / FWTM	20.0° / 46.0°
Efficiency	83 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE⇔LED

LED	XHP35 HI
FWHM / FWTM	17.0° / 38.0°
Efficiency	94 %
Peak intensity	5.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE⇔LED

LED	XP-G2
FWHM / FWTM	15.0° / 36.0°
Efficiency	94 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE⇔LED

LED	XP-G3
FWHM / FWTM	17.0° / 40.0°
Efficiency	94 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XP-L HD
FWHM / FWTM	18.0° / 41.0°
Efficiency	85 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
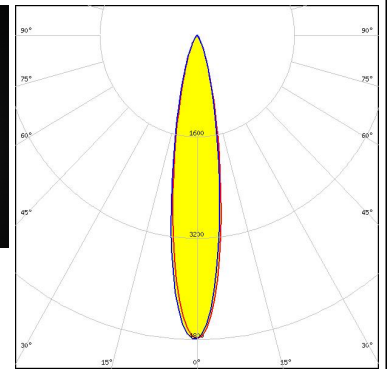
CREE LED

LED	XT-E
FWHM / FWTM	14.0° / 32.0°
Efficiency	94 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
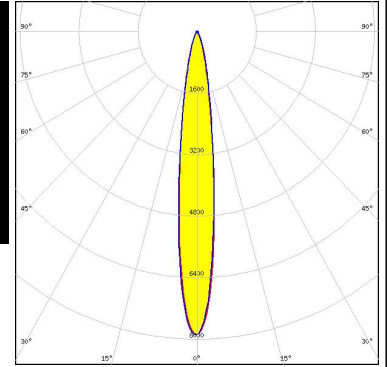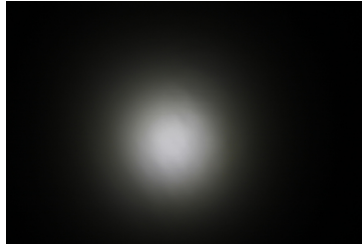
LUMILEDS

LED	LUXEON A
FWHM / FWTM	12.0° / 26.0°
Efficiency	86 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	14.0° / 34.0°
Efficiency	86 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
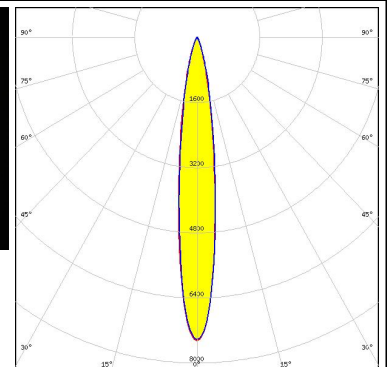
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	15.0° / 36.0°
Efficiency	91 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
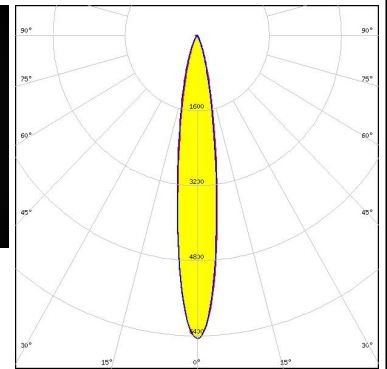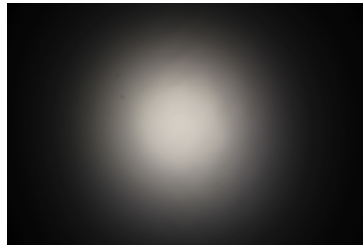
LUMINUS

LED	SST-10-B130
FWHM / FWTM	14.0° / 32.0°
Efficiency	93 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	
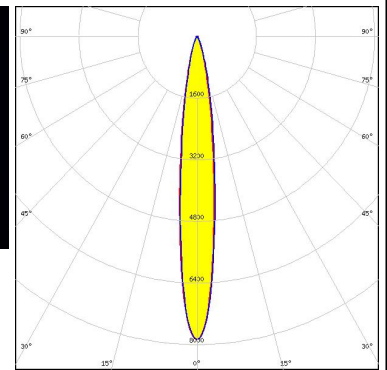
NICHIA

LED	NVSW219D
FWHM / FWTM	16.0° / 39.0°
Efficiency	94 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
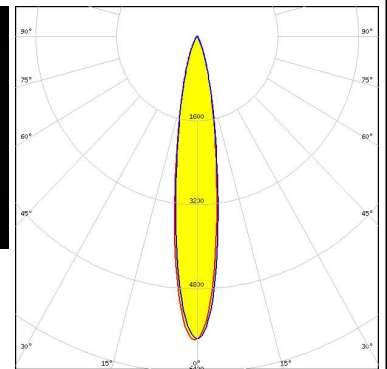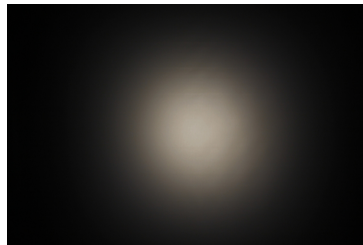
NICHIA

LED	NVSW319B
FWHM / FWTM	18.0° / 41.0°
Efficiency	93 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LEDiL®

PHOTOMETRIC DATA (MEASURED):

NICHIA
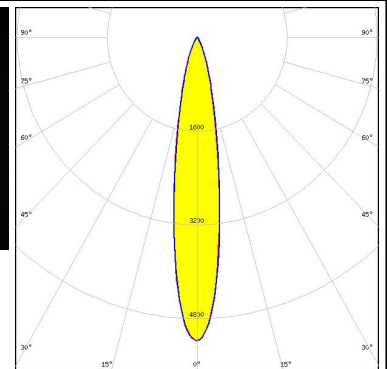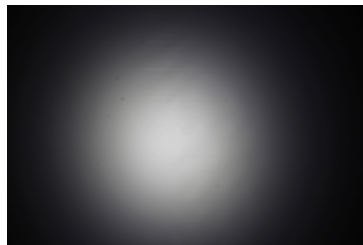
LED	NVSW3x9A
FWHM / FWTM	18.0° / 41.0°
Efficiency	90 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA
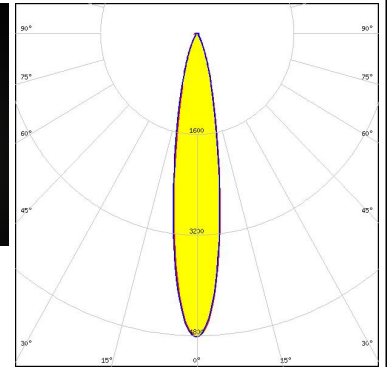
LED	NVSW519A
FWHM / FWTM	20.0° / 45.0°
Efficiency	94 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA
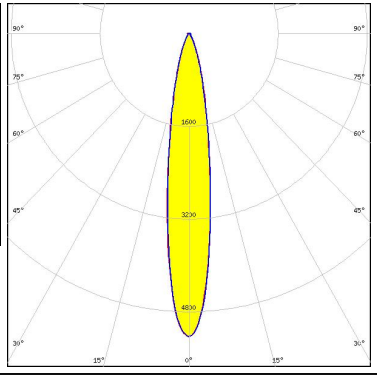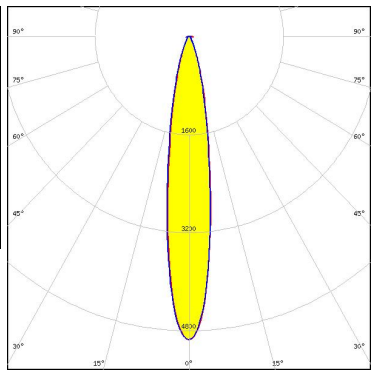
LED	NWSx229A
FWHM / FWTM	20.0° / 45.0°
Efficiency	84 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors
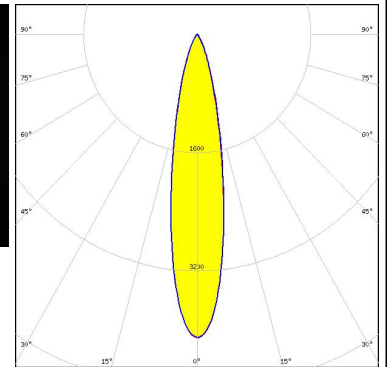
LED	OSLON SSL 150
FWHM / FWTM	13.0° / 30.0°
Efficiency	87 %
Peak intensity	9.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

LED	Z5M3
FWHM / FWTM	17.0° / 40.0°
Efficiency	94 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LED	Z8Y22P
FWHM / FWTM	17.0° / 39.0°
Efficiency	92 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

CREE⇌LED

LED	XP-G2 HE
FWHM / FWTM	14.0° / 28.0°
Efficiency	95 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
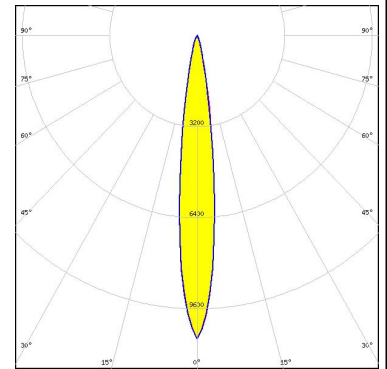
LED	LUXEON R
FWHM / FWTM	12.0° / 26.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM	9.0° / 18.0°
Efficiency	96 %
Peak intensity	26.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
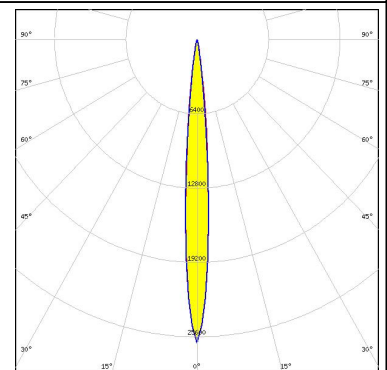
LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	8.7° / 18.0°
Efficiency	93 %
Peak intensity	25.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
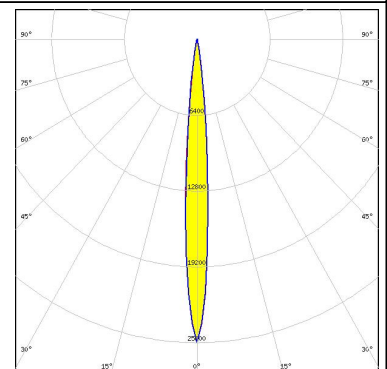
PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	8.0° / 18.0°
Efficiency	92 %
Peak intensity	24.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON SunPlus 35 Line
FWHM / FWTM	8.5° / 18.0°
Efficiency	94 %
Peak intensity	27.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	10.0° / 21.0°
Efficiency	94 %
Peak intensity	20.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NCSxE17A
FWHM / FWTM	10.0° / 20.0°
Efficiency	92 %
Peak intensity	18.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NV4WB35AM
FWHM / FWTM	16.0° / 32.0°
Efficiency	96 %
Peak intensity	7.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NVSxE21A
FWHM / FWTM	10.0° / 22.0°
Efficiency	94 %
Peak intensity	17.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 Flat
FWHM / FWTM	11.0° / 23.0°
Efficiency	97 %
Peak intensity	15.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG

LED	LH351C
FWHM / FWTM	14.0° / 26.0°
Efficiency	96 %
Peak intensity	11.8 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:

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