HEIDI-SS

~15° smooth spot beam

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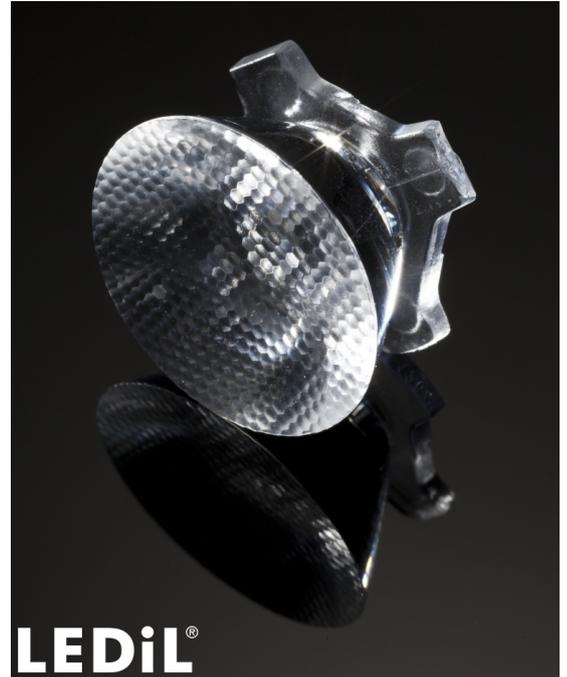
Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:
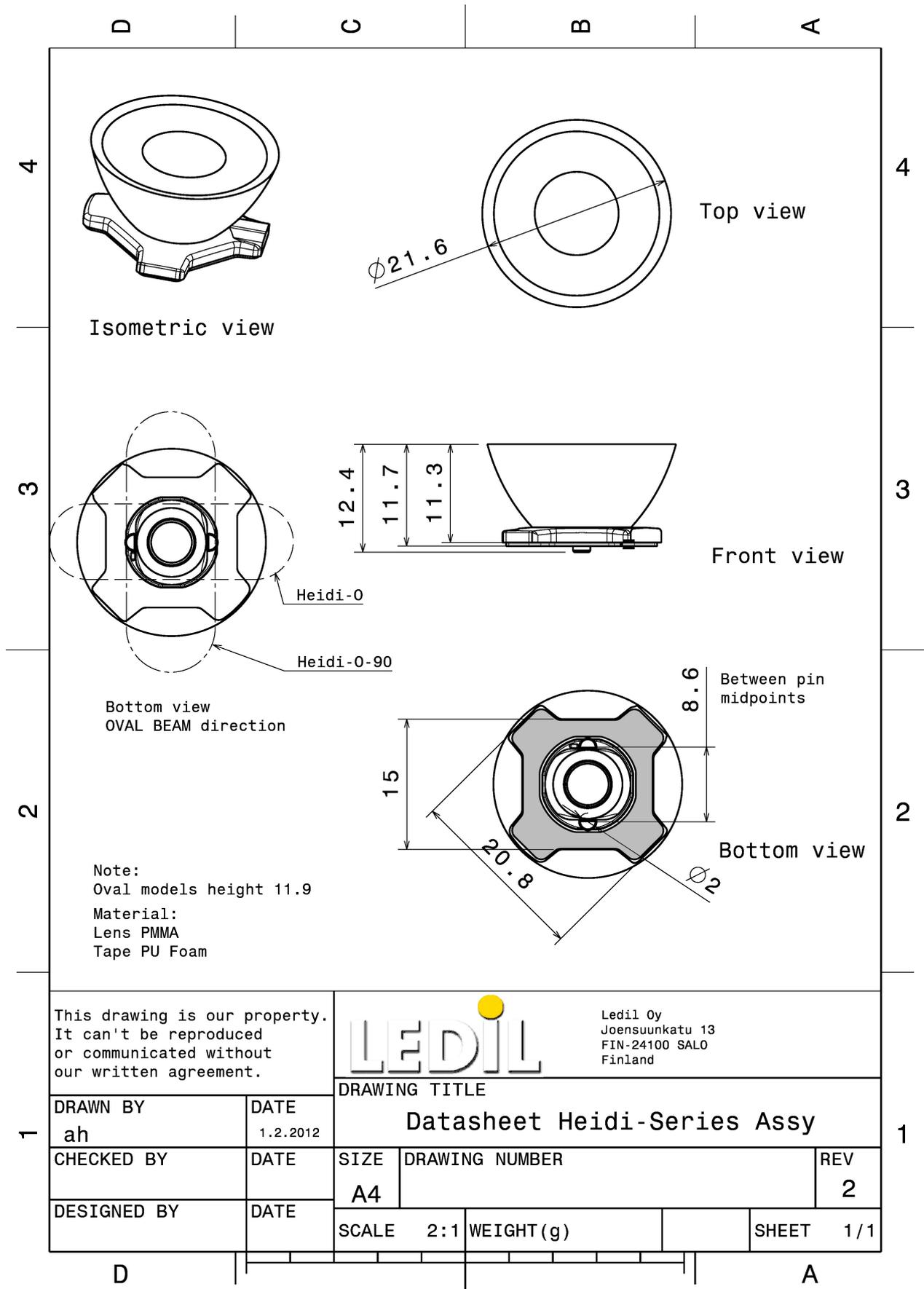
Component	Type	Material	Colour	Finish
HEIDI-SS	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	PU tape	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12242_HEIDI-SS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					

Isometric view

Top view

ϕ21.6

Bottom view
OVAL BEAM direction

Heidi-O

Heidi-O-90

Front view

12.4
11.7
11.3

Note:
Oval models height 11.9

Material:
Lens PMMA
Tape PU Foam

8.6
Between pin
midpoints

15
20.8
ϕ2

Bottom view

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Ledil Oy
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

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

PHOTOMETRIC DATA (MEASURED):

CREE ⇌ LED

LED	XP-E
FWHM / FWTM	14.0° / 31.0°
Efficiency	92 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SetPlotAreaWorld(): X range error - min >= max

CREE ⇌ LED

LED	XP-G
FWHM / FWTM	16.0° / 36.0°
Efficiency	92 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SetPlotAreaWorld(): X range error - min >= max

CREE ⇌ LED

LED	XQ-E HD
FWHM / FWTM	12.0° / 27.0°
Efficiency	94 %
Peak intensity	11.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
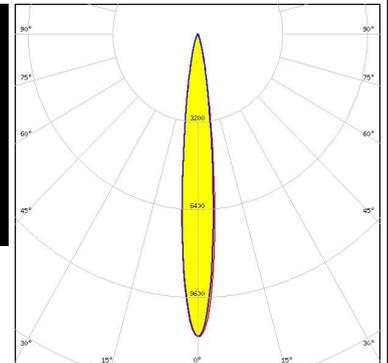
CREE ⇌ LED

LED	XQ-E HI
FWHM / FWTM	12.0° / 28.0°
Efficiency	92 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
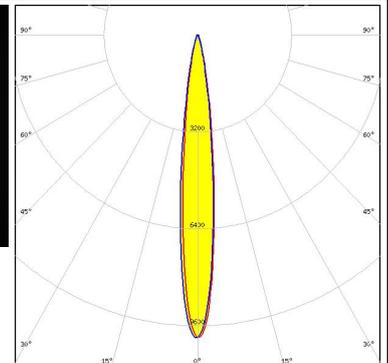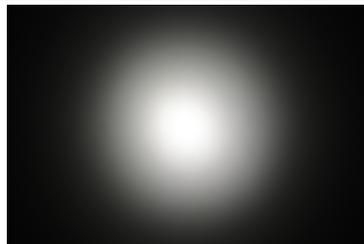
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON C
FWHM / FWTM	13.0° / 28.0°
Efficiency	87 %
Peak intensity	9.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
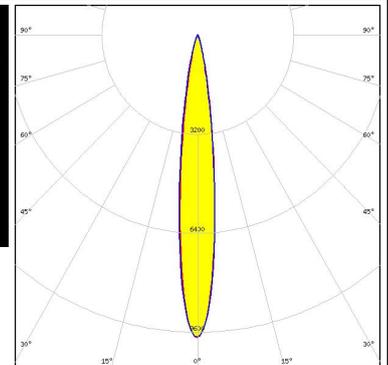
LUMILEDS

LED	LUXEON T
FWHM / FWTM	15.0° / 33.0°
Efficiency	87 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
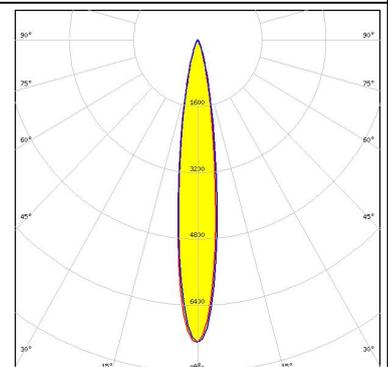
LUMILEDS

LED	LUXEON TX
FWHM / FWTM	16.0° / 34.0°
Efficiency	86 %
Peak intensity	7.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
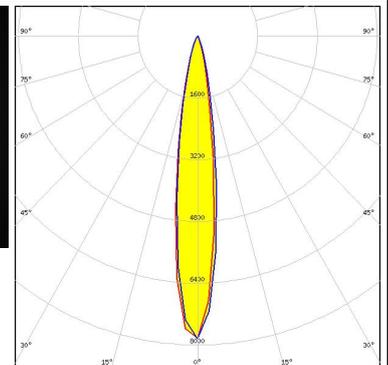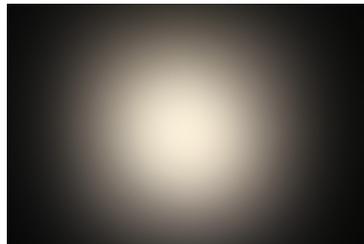
NICHIA

LED	NCSxx19A
FWHM / FWTM	14.0° / 31.0°
Efficiency	89 %
Peak intensity	7.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NCSxx19B
FWHM / FWTM	15.0° / 32.0°
Efficiency	86 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
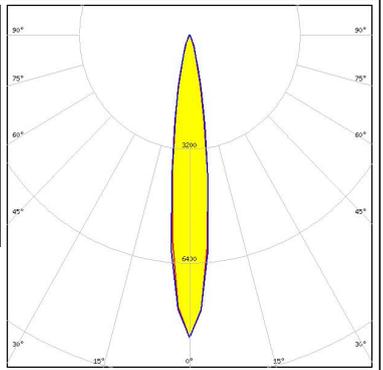
NICHIA

LED	NVSxx19A
FWHM / FWTM	15.0° / 32.0°
Efficiency	89 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	18.0° / 38.0°
Efficiency	87 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
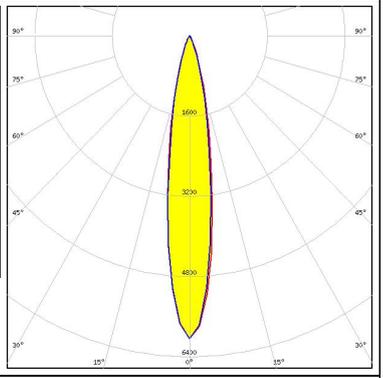
OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	14.0° / 30.0°
Efficiency	91 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SetPlotAreaWorld(): X range error – min >= max

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	14.0° / 32.0°
Efficiency	89 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SetPlotAreaWorld(): X range error – min >= max

SAMSUNG

LED	LH181A
FWHM / FWTM	15.0° / 36.0°
Efficiency	88 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
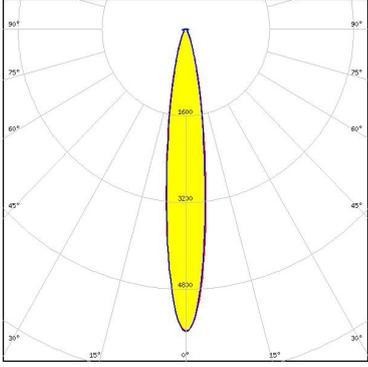
SAMSUNG

LED	LH181B
FWHM / FWTM	15.0° / 36.0°
Efficiency	93 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
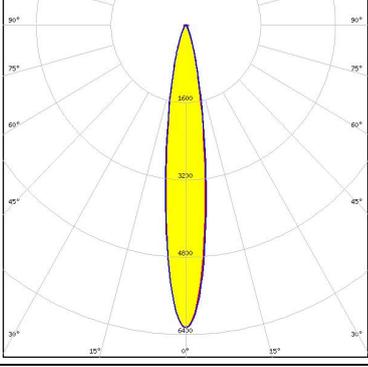
SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	14.0° / 31.0°
Efficiency	92 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SetPlotAreaWorld(): X range error – min >= max

PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	14.0° / 32.0°
Efficiency	91 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

CREE LED

LED	XP-G2 HE
FWHM / FWTM	16.0° / 32.0°
Efficiency	94 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

LED	XP-G3
FWHM / FWTM	17.0° / 32.0°
Efficiency	94 %
Peak intensity	7.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON 3030 HE Plus
FWHM / FWTM	14.0° / 28.0°
Efficiency	95 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM	14.0° / 26.0°
Efficiency	96 %
Peak intensity	12.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	14.0° / 26.0°
Efficiency	92 %
Peak intensity	12.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	13.0° / 24.0°
Efficiency	94 %
Peak intensity	14.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NVSxE21A
FWHM / FWTM	14.0° / 28.0°
Efficiency	95 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	OSCONIQ S 3030
FWHM / FWTM	15.0° / 28.0°
Efficiency	95 %
Peak intensity	11.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	17.0° / 33.0°
Efficiency	94 %
Peak intensity	8.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
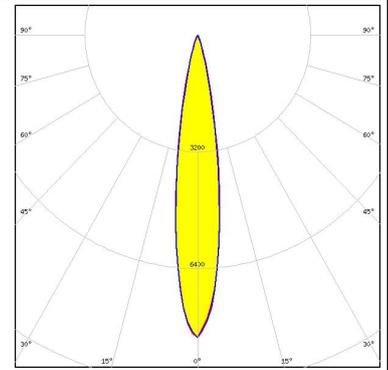
OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	15.0° / 29.0°
Efficiency	95 %
Peak intensity	10.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
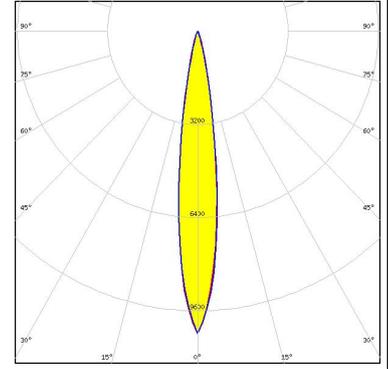
OSRAM Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	15.0° / 23.0°
Efficiency	88 %
LEDs/each optic	1
Light colour	IR
Required components:	
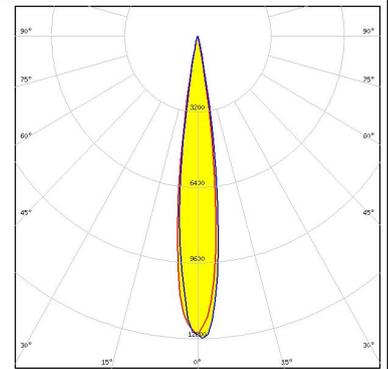
OSRAM Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	14.0° / 24.0°
Efficiency	88 %
LEDs/each optic	1
Light colour	IR
Required components:	
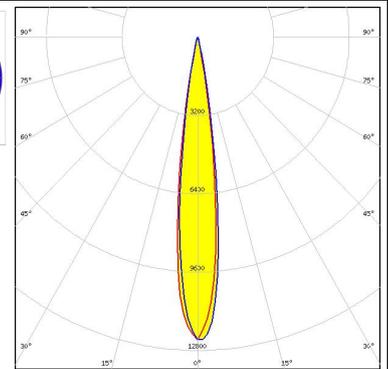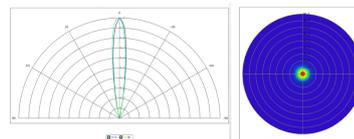
GENERAL INFORMATION:

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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