HEIDI-O

~50° x 11° oval 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-O	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	PU tape	black	
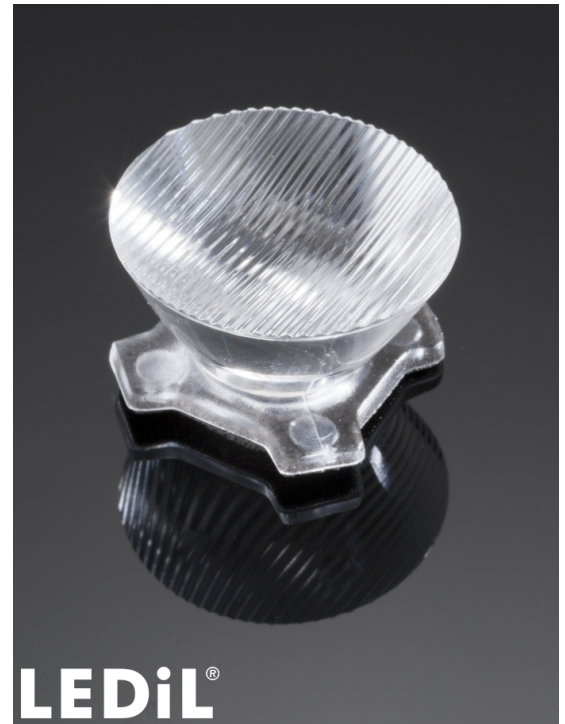
ORDERING INFORMATION:

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

LEDiL®

D C B A

Top view

Isometric view

⌀21.6

Heidi-O

Heidi-O-90

Bottom view
OVAL BEAM direction

12.4 11.7 11.3

Front view

8.6 Between pin
midpoints

15

20.8

⌀2

Bottom view

Note:
Oval models height 11.9

Material:
Lens PMMA
Tape PU Foam
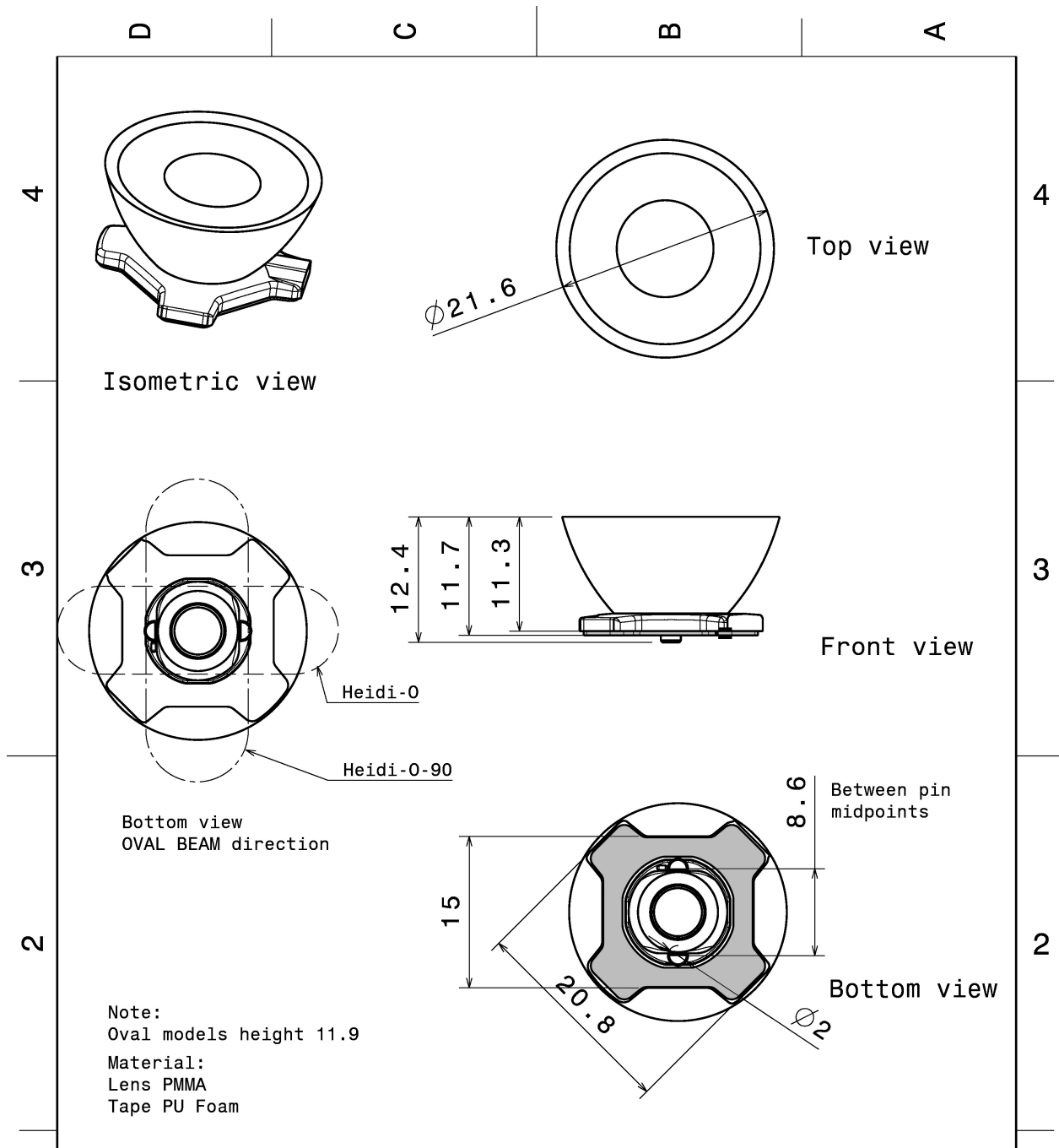
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Ledil Oy
Joensuunkatu 13
FIN-24100 SALO
Finland

LEDiL

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
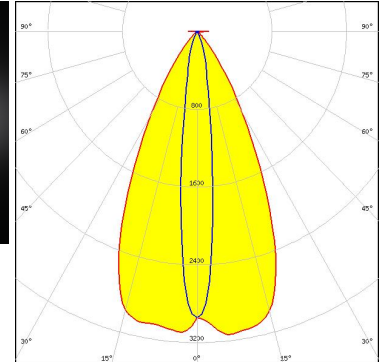
PHOTOMETRIC DATA (MEASURED):

CREE ⇔ LED

LED	XHP35 HD
FWHM / FWTM	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:	
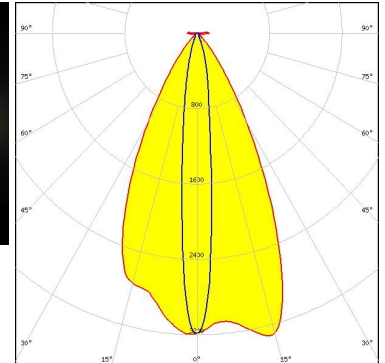
CREE ⇔ LED

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:	
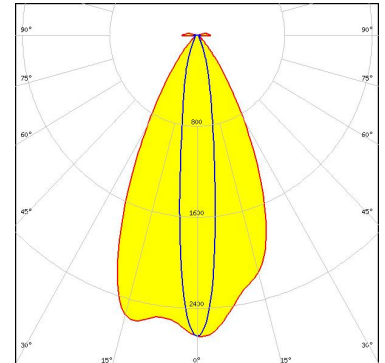
PHOTOMETRIC DATA (MEASURED):

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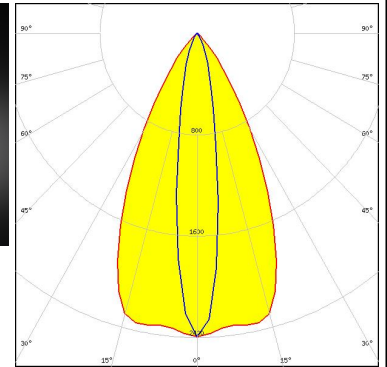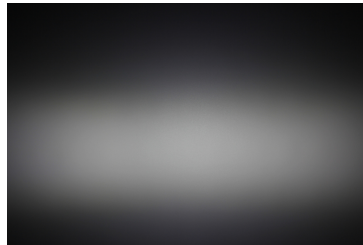
LED	LUXEON Rebel ES
FWHM / FWTM	53.0 + 12.0° / 76.0 + 33.0°
Efficiency	82 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMINUS
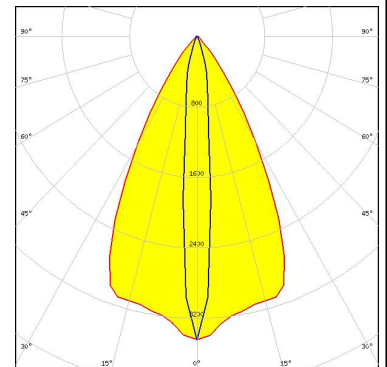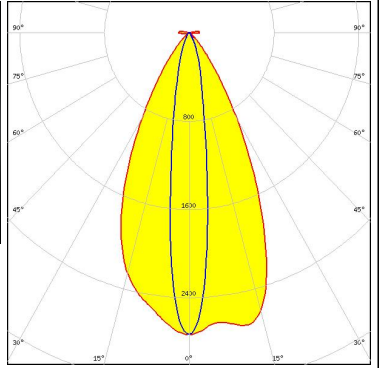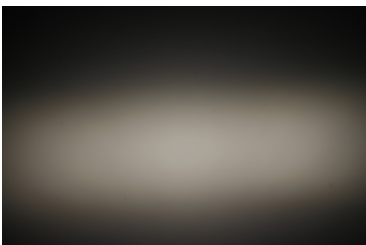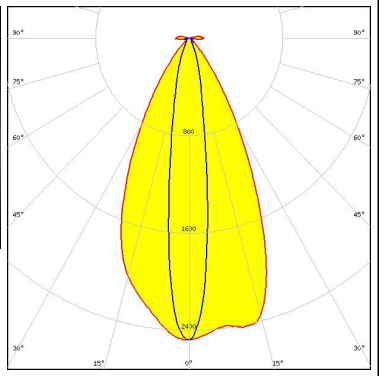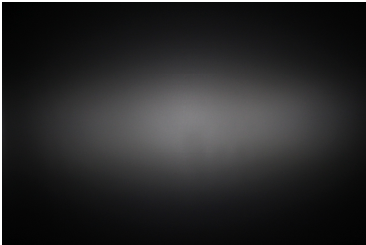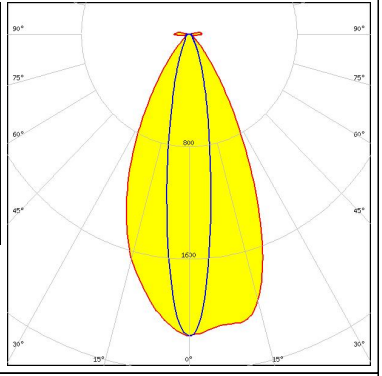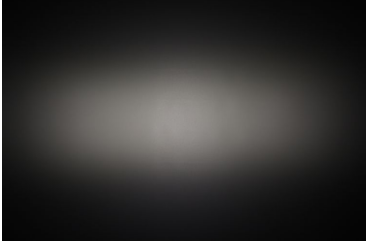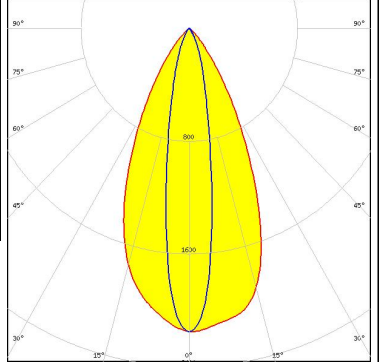
LED	SST-10-B130
FWHM / FWTM	54.0 + 9.5° / 77.0 + 28.0°
Efficiency	90 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	
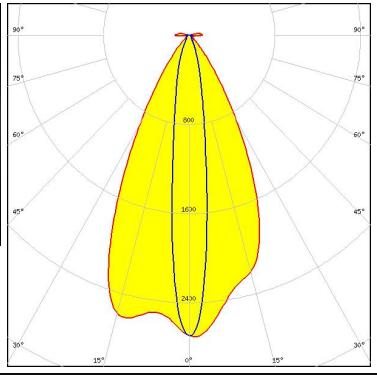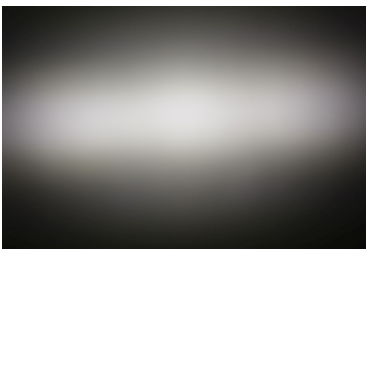
NICHIA
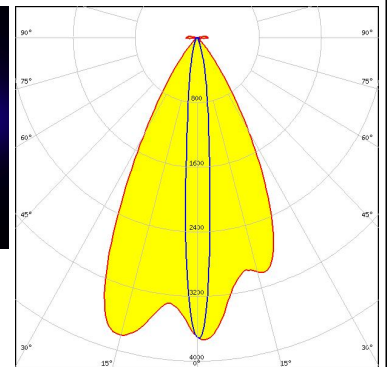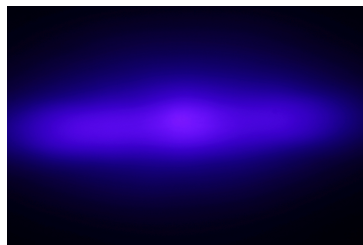
LED	NVSW219D
FWHM / FWTM	51.0 + 13.0° / 78.0 + 40.0°
Efficiency	91 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (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:	

PHOTOMETRIC DATA (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:		

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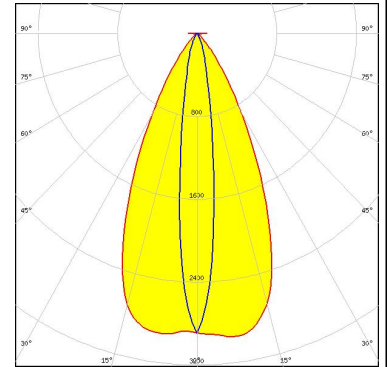
LED	LUXEON A
FWHM / FWTM	51.0 + 12.0° / 76.0 + 30.0°
Efficiency	84 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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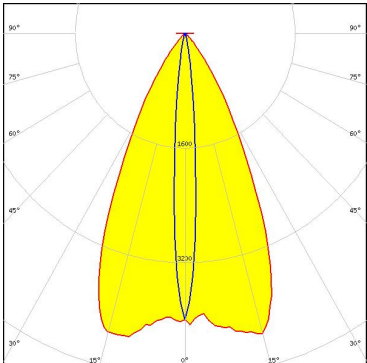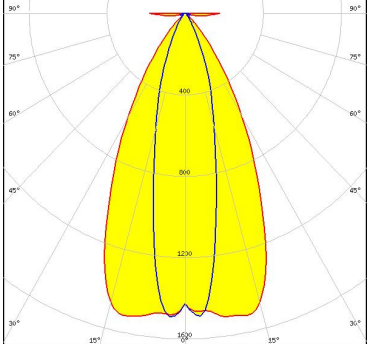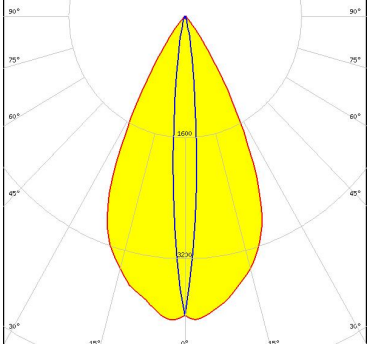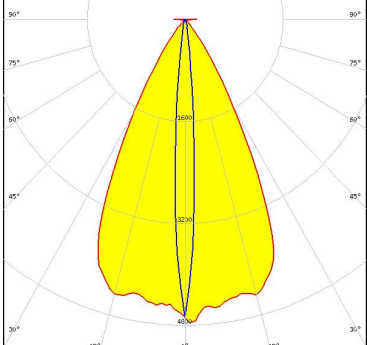
LED	LUXEON R
FWHM / FWTM	53.0 + 12.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

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:	

PHOTOMETRIC DATA (SIMULATED):

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:	

OSRAM
Opto Semiconductors

LED	OSLON Black Flat
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:

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