HEIDI-O-90

~13° x 45° oval beam optimized for Luxeon Rebel. Variant with beam direction rotated 90°.
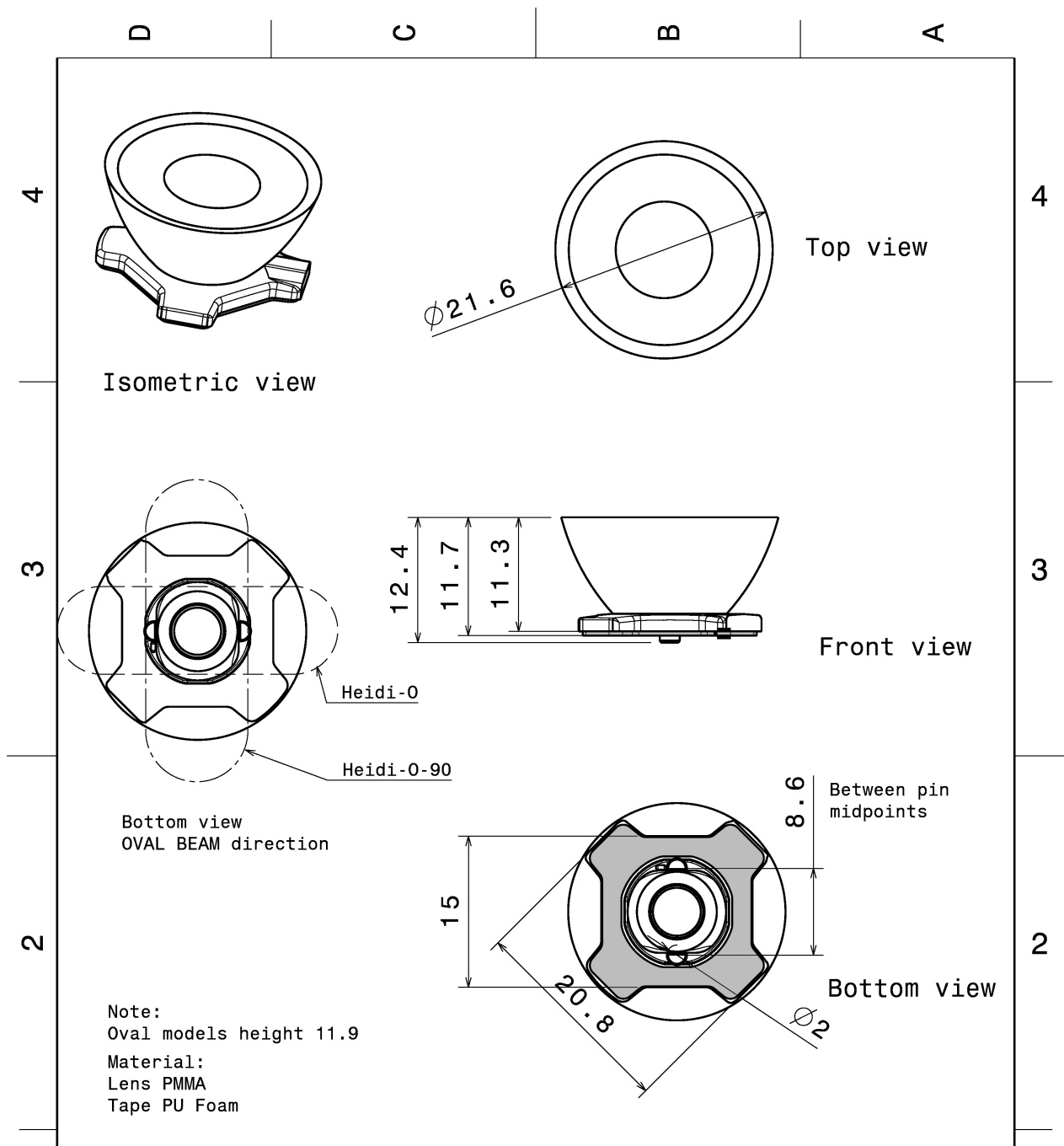
TECHNICAL SPECIFICATIONS:

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-O-90	Single lens	PMMA	clear
HEIDI-TAPE	Tape	PU tape	black

Isometric view

Top view

⌀21.6

12.4 11.7 11.3

Front view

Heidi-O

Heidi-O-90

Bottom view
OVAL BEAM direction

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

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

PHOTOMETRIC DATA (MEASURED):

CREE

LED	XHP35 HD
FWHM	17.0 + 38.0°
Efficiency	84 %
Peak intensity	3.230 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE

LED	XHP35 HI
FWHM	13.0 + 47.0°
Efficiency	94 %
Peak intensity	3.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE
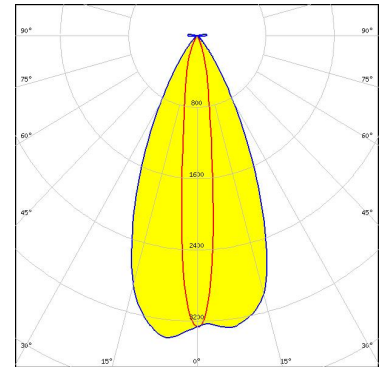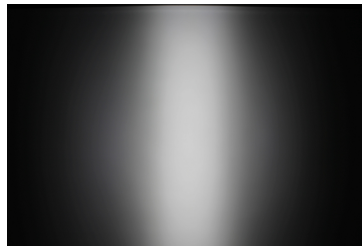
LED	XP-L HD
FWHM	16.0 + 40.0°
Efficiency	88 %
Peak intensity	3.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
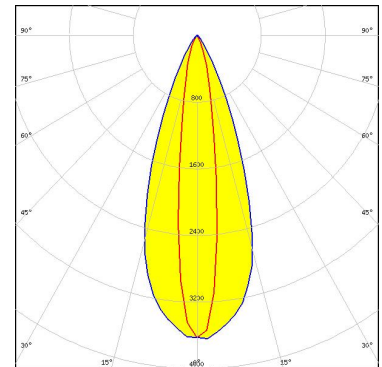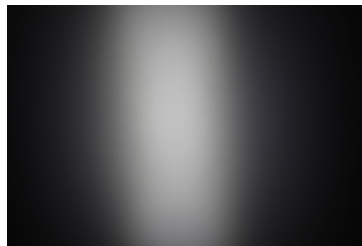
LUMILEDS

LED	LUXEON A
FWHM	14.0 + 54.0°
Efficiency	82 %
Peak intensity	3.090 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
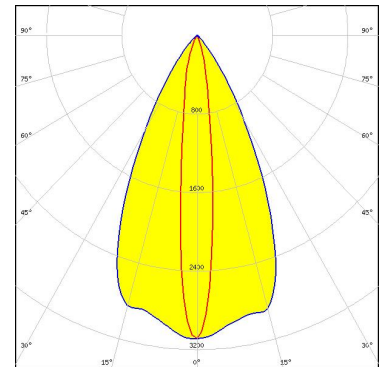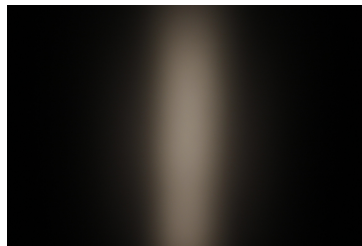
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON R
FWHM	13.0 + 54.0°
Efficiency	82 %
Peak intensity	3.010 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
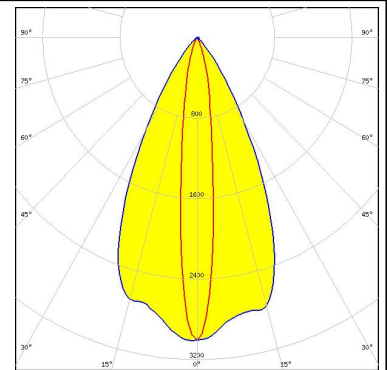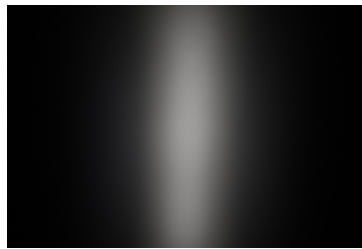
LUMILEDS

LED	LUXEON Rebel
FWHM	12.0 + 54.0°
Efficiency	82 %
Peak intensity	3.470 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
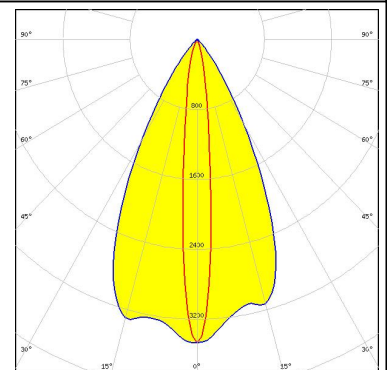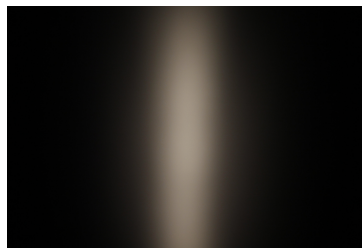
LUMILEDS

LED	LUXEON Rebel ES
FWHM	13.0 + 53.0°
Efficiency	81 %
Peak intensity	3.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
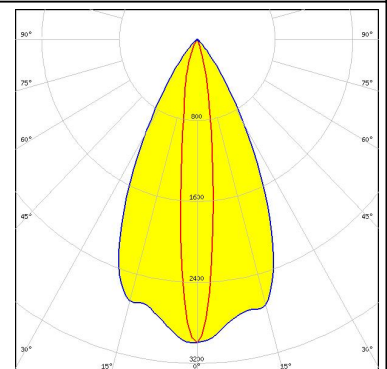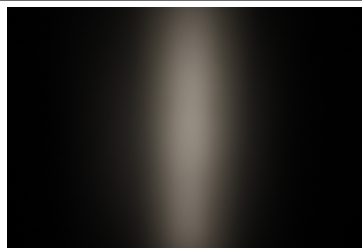
NICHIA

LED	NVSW219D
FWHM	12.0 + 46.0°
Efficiency	94 %
Peak intensity	3.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

NICHIA
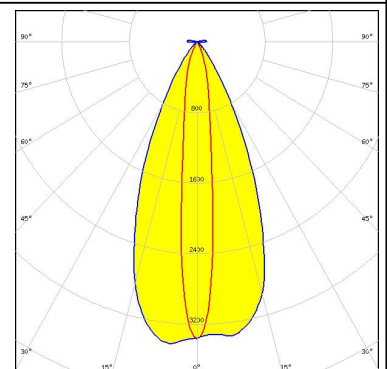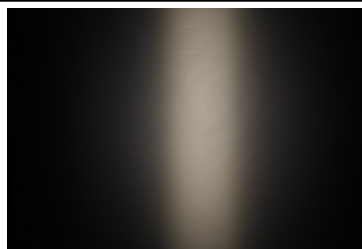
LED	NVSW319B
FWHM	14.0 + 47.0°
Efficiency	94 %
Peak intensity	3.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA
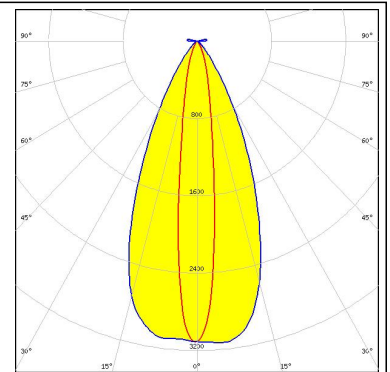
LED	NVSW3x9A
FWHM	15.0 + 47.0°
Efficiency	90 %
Peak intensity	2.800 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors
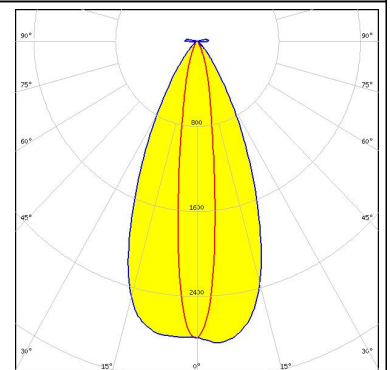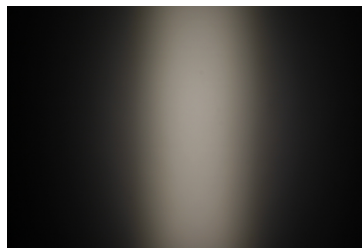
LED	OSLON SSL 150
FWHM	9.0 + 50.0°
Efficiency	93 %
Peak intensity	4.850 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR
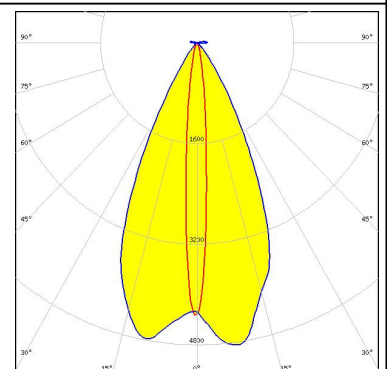
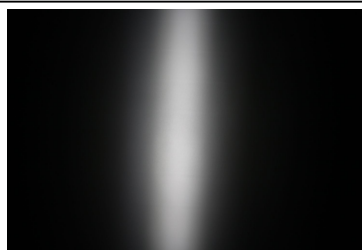|	
LED	Z5M3
FWHM	13.0 + 47.0°
Efficiency	94 %
Peak intensity	3.200 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM	13.0 + 47.0°
Efficiency	92 %
Peak intensity	2.900 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
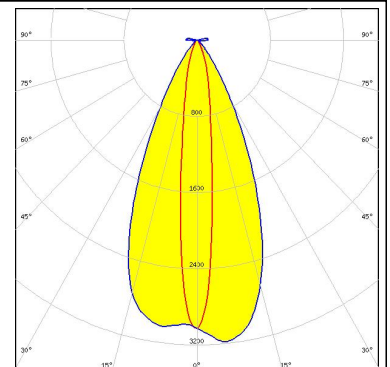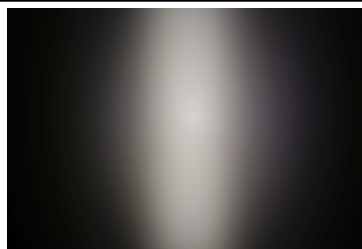
PHOTOMETRIC DATA (SIMULATED):

CREE⇕

LED	XP-G2 HE
FWHM	14.0 + 50.0°
Efficiency	88 %
Peak intensity	2.938 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
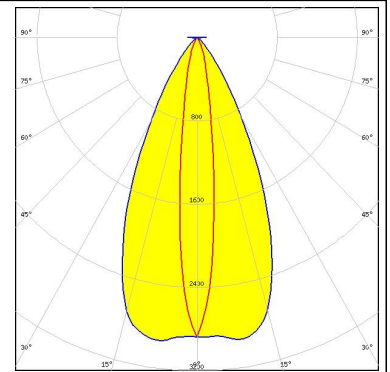
LED	LUXEON SunPlus 20 Line (150 deg)
FWHM	9.0 + 52.0°
Efficiency	88 %
Peak intensity	4.298 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors
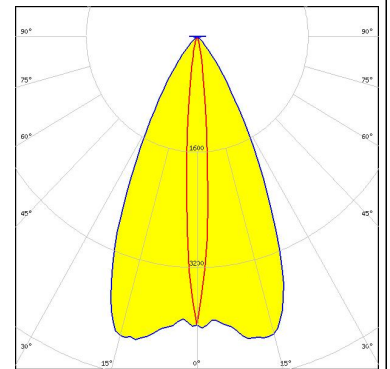
LED	OSCONIQ P 3737 Flat
FWHM	12.0 + 54.0°
Efficiency	91 %
Peak intensity	3.068 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
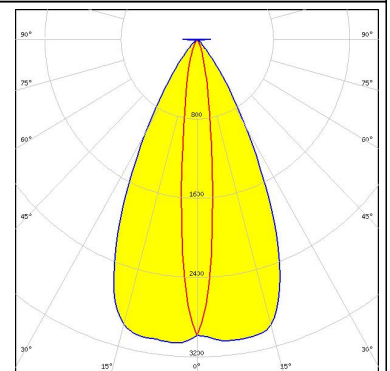
GENERAL INFORMATION:

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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