

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
ROHS compliant	yes ⓘ

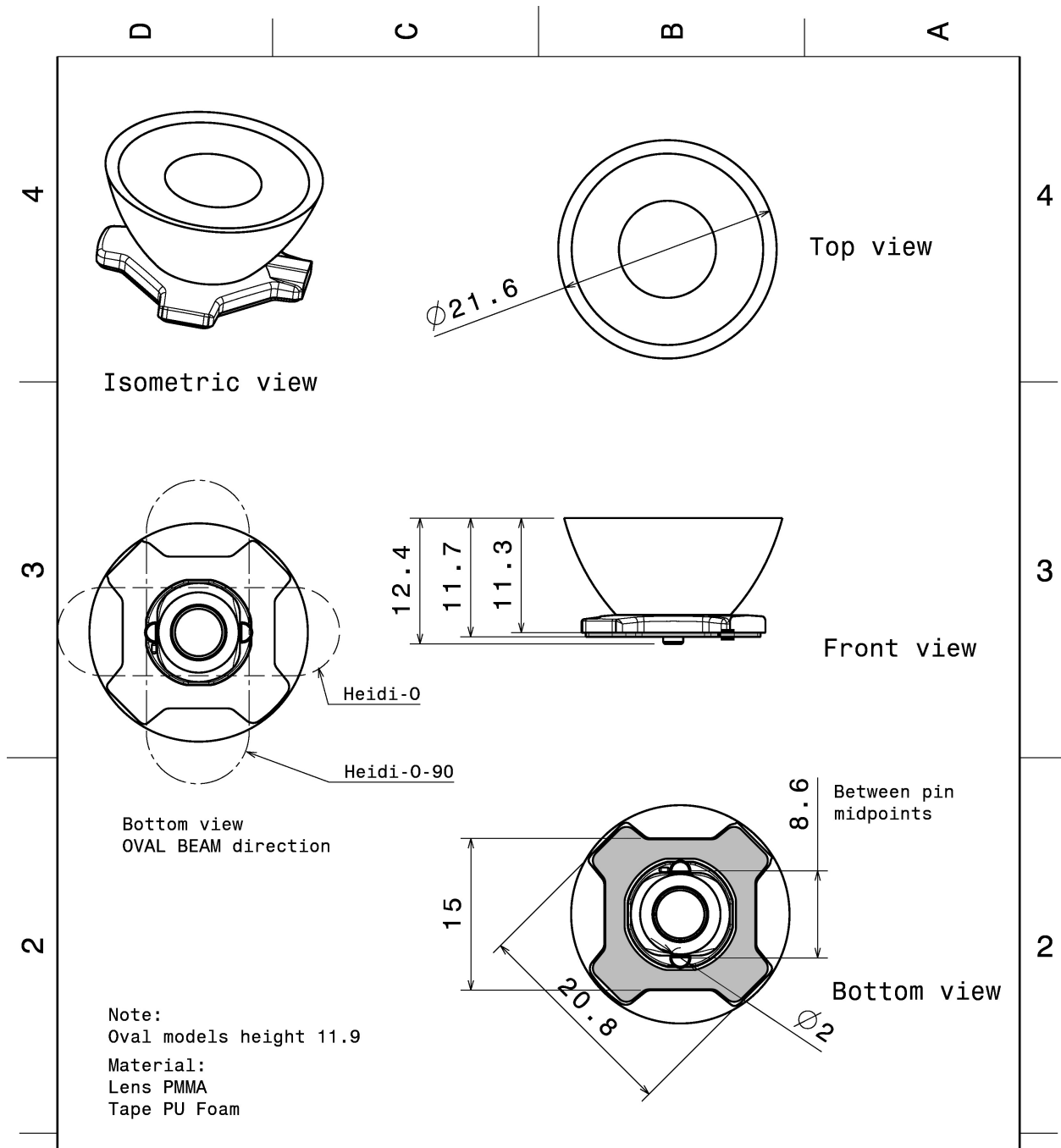
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HEIDI-O-90	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	PU tape	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12815_HEIDI-O-90	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					





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 Finland

DRAWING TITLE

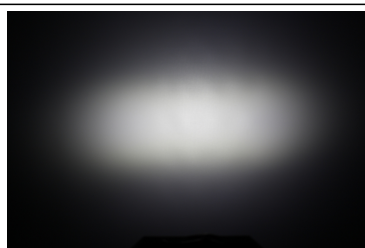
Datasheet Heidi-Series Assy

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

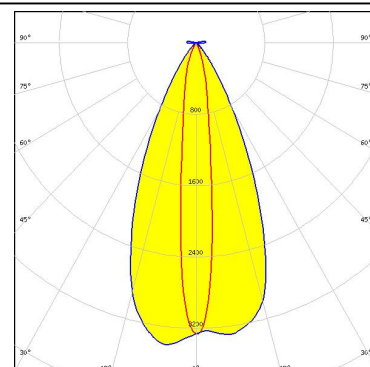
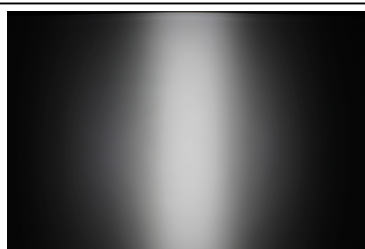
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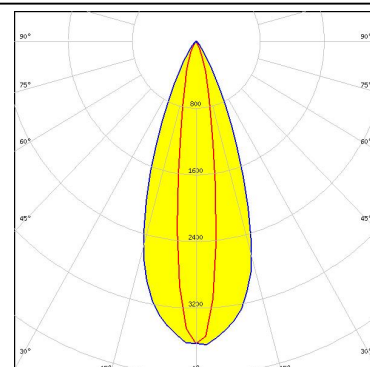
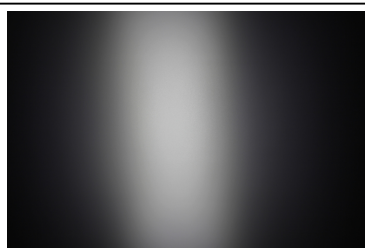
LED XHP35 HD
FWHM 17.0 + 38.0°
Efficiency 84 %
Peak intensity 3.2 cd/Im
LEDs/each optic 1
Light colour White
Required components:



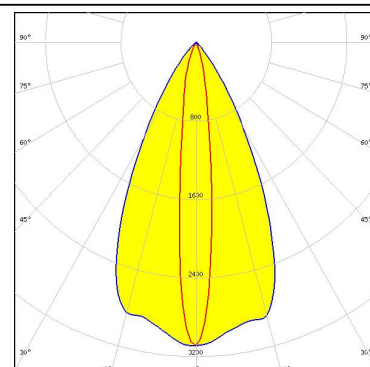
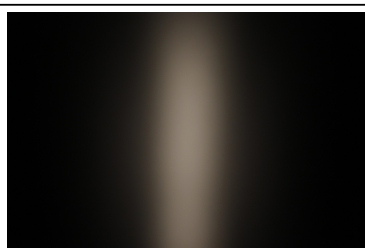
LED XHP35 HI
FWHM 13.0 + 47.0°
Efficiency 94 %
Peak intensity 3.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED XP-L HD
FWHM 16.0 + 40.0°
Efficiency 88 %
Peak intensity 3.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:



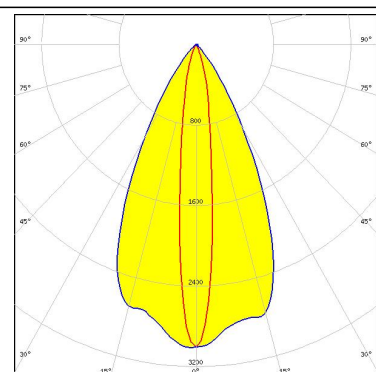
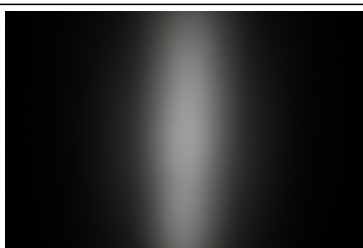
LED LUXEON A
FWHM 14.0 + 54.0°
Efficiency 82 %
Peak intensity 3.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



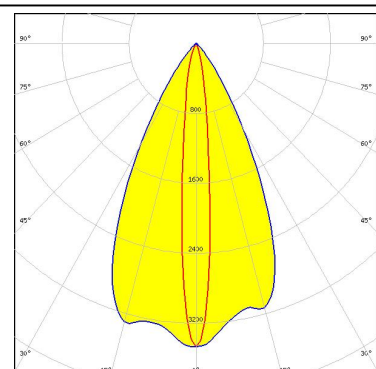
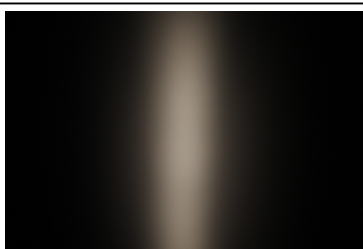
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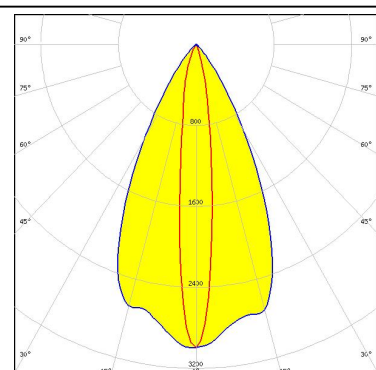
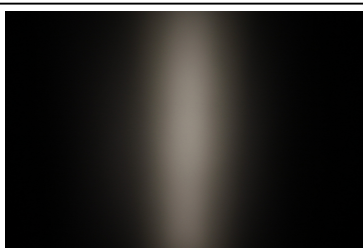
LED LUXEON R
FWHM 13.0 + 54.0°
Efficiency 82 %
Peak intensity 3 cd/Im
LEDs/each optic 1
Light colour White
Required components:



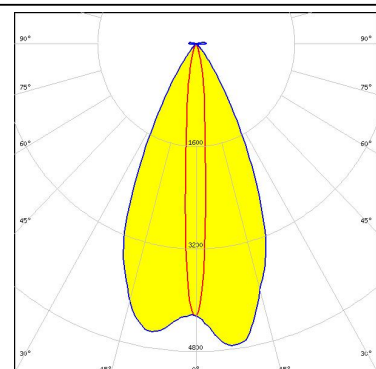
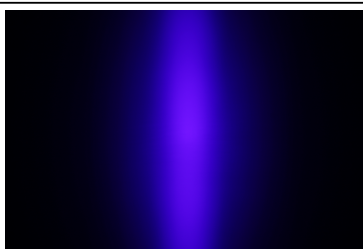
LED LUXEON Rebel
FWHM 12.0 + 54.0°
Efficiency 82 %
Peak intensity 3.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON Rebel ES
FWHM 13.0 + 53.0°
Efficiency 81 %
Peak intensity 3 cd/Im
LEDs/each optic 1
Light colour White
Required components:



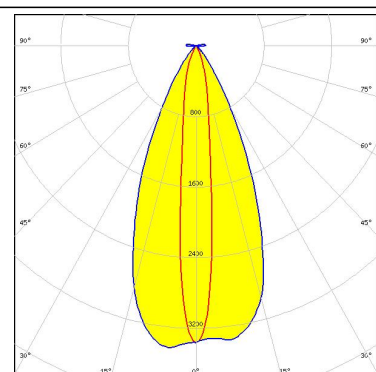
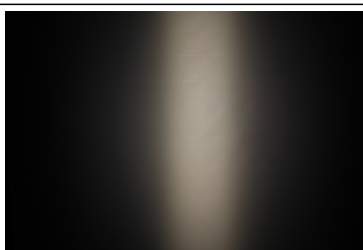
LED SST-10-B130
FWHM 9.0 + 49.0°
Efficiency 93 %
Peak intensity 4.7 cd/Im
LEDs/each optic 1
Light colour Blue
Required components:



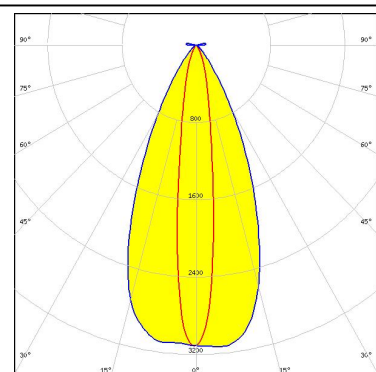
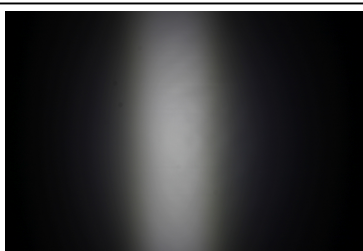
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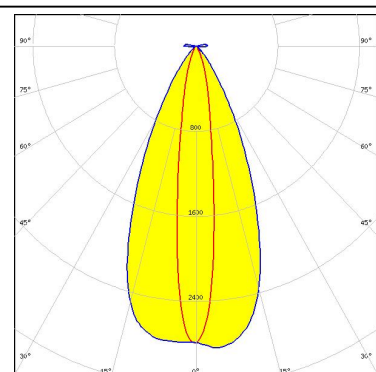
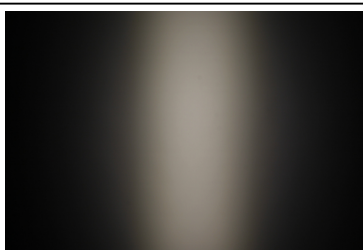
LED NVSW219D
FWHM 12.0 + 46.0°
Efficiency 94 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



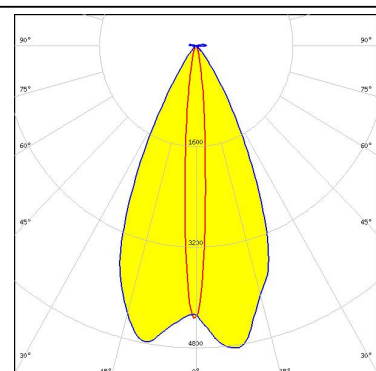
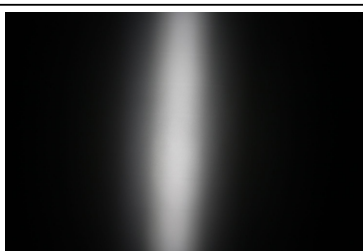
LED NVSW319B
FWHM 14.0 + 47.0°
Efficiency 94 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



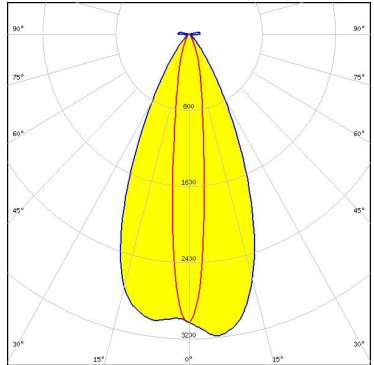
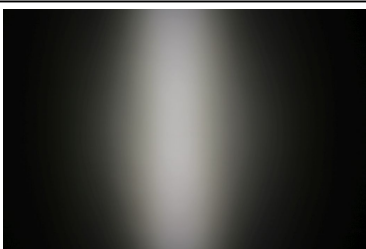
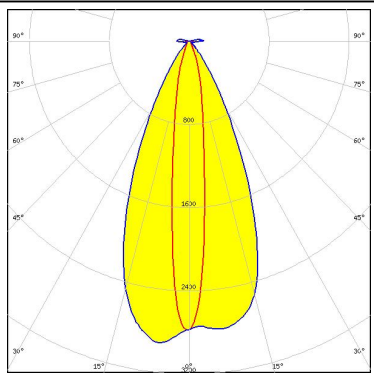
LED NVSW3x9A
FWHM 15.0 + 47.0°
Efficiency 90 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSLOM SSL 150
FWHM 9.0 + 50.0°
Efficiency 93 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



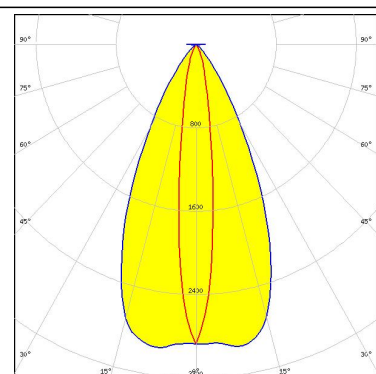
PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR LED Z5M3 FWHM 13.0 + 47.0° Efficiency 94 % Peak intensity 3.2 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR LED Z8Y22P FWHM 13.0 + 47.0° Efficiency 92 % Peak intensity 2.9 cd/lm LEDs/each optic 1 Light colour White Required components:		

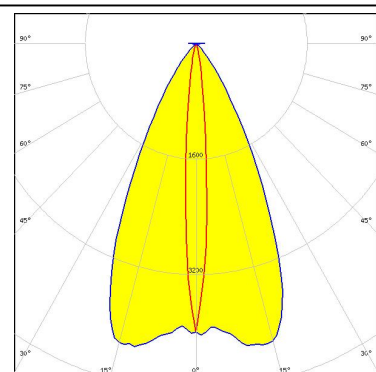
PHOTOMETRIC DATA (SIMULATED):



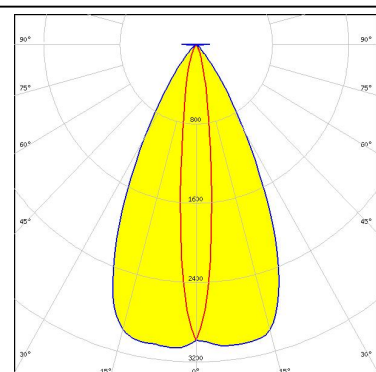
LED XP-G2 HE
FWHM 14.0 + 50.0°
Efficiency 88 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON SunPlus 20 Line (150 deg)
FWHM 9.0 + 52.0°
Efficiency 88 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSCONIQ P 3737 Flat
FWHM 12.0 + 54.0°
Efficiency 91 %
Peak intensity 3.1 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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