

## HEIDI-SS

~15° smooth spot beam

### TECHNICAL SPECIFICATIONS:

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

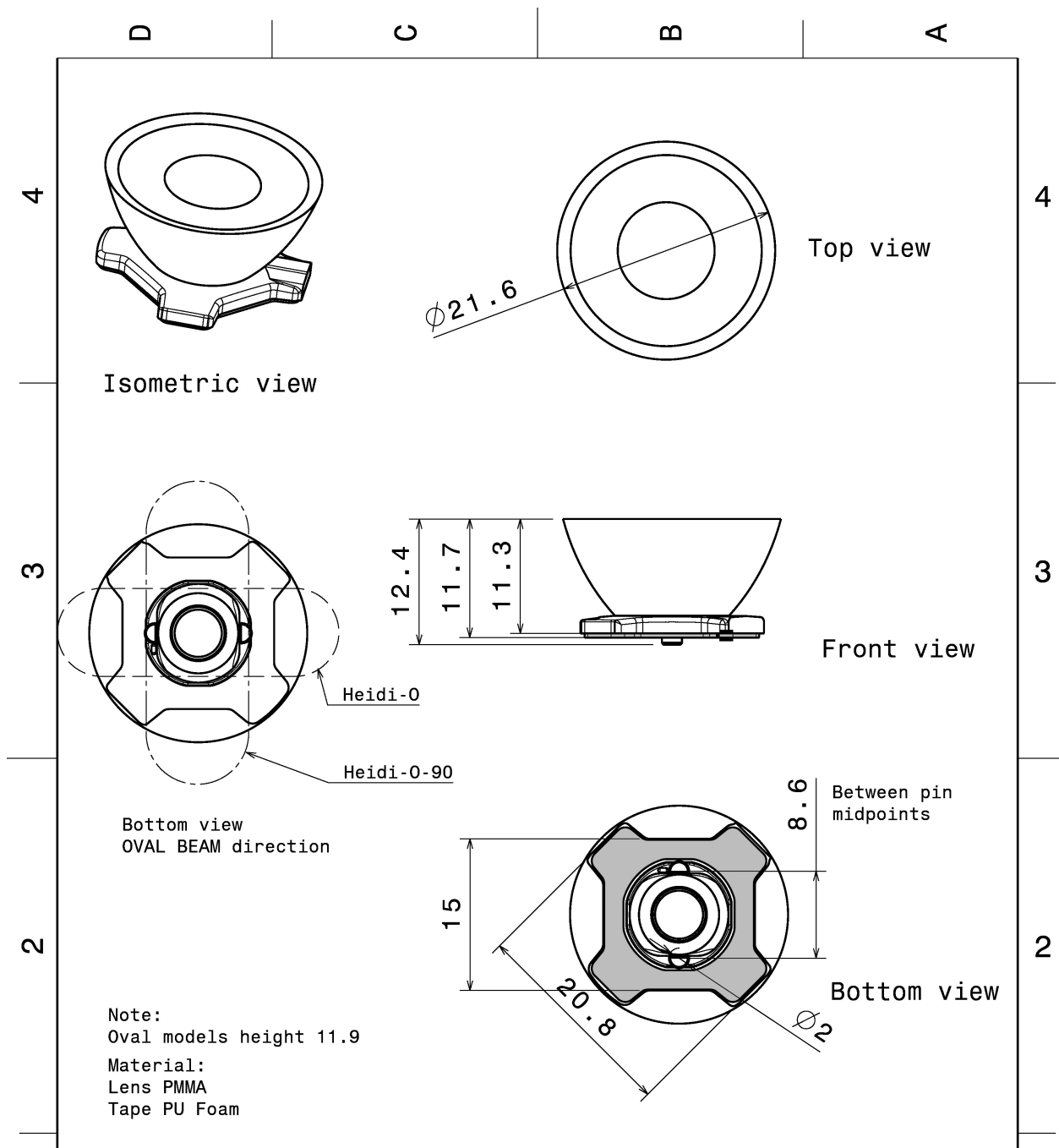
### MATERIAL SPECIFICATIONS:

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					





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**LEDiL**

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 FIN-24100 SALO  
 Finland

**DRAWING TITLE**

**Datasheet Heidi-Series Assy**

**DRAWN BY**  
ah  
**DATE**  
1.2.2012

**CHECKED BY**  
**DATE**

**DESIGNED BY**  
**DATE**

**SIZE**  
A4  
**DRAWING NUMBER**  
**REV**  
2

**SCALE** 2:1 **WEIGHT (g)**  
**SHEET** 1/1

#### PHOTOMETRIC DATA (MEASURED):



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

SetPlotSizeRatio: 3 range error - min >= max

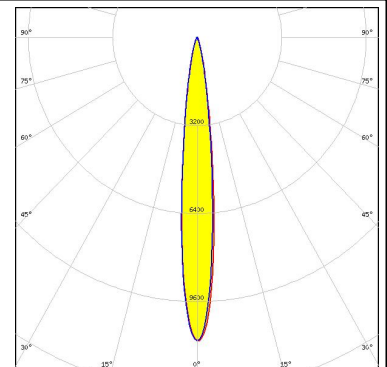


LED XP-G  
FWHM 16.0°  
Efficiency 92 %  
Peak intensity 5.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

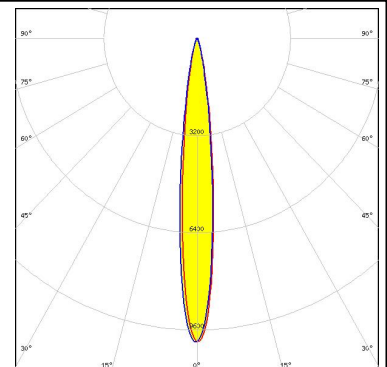
SetPlotSizeRatio: 3 range error - min >= max



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



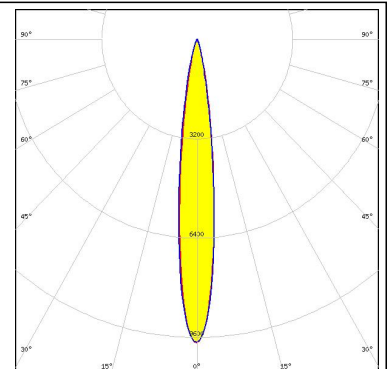
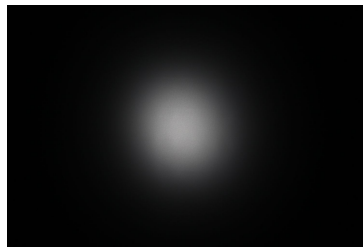
LED XQ-E HI  
FWHM 12.0°  
Efficiency 92 %  
Peak intensity 10 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

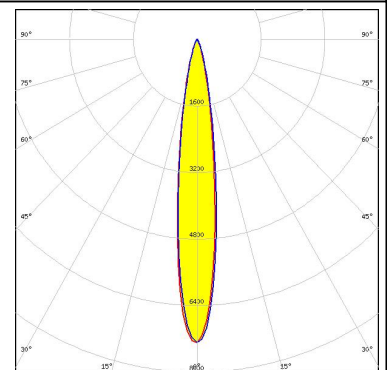
#### LUMILEDS

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



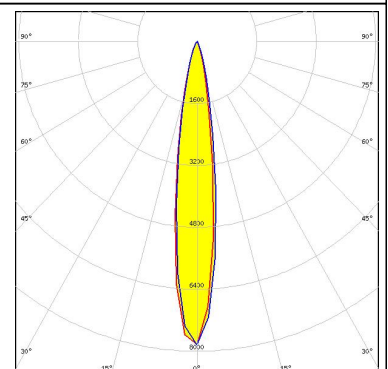
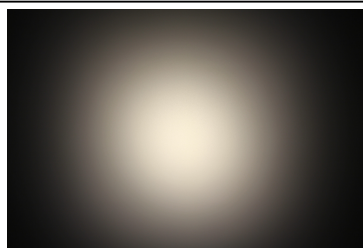
#### LUMILEDS

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



#### LUMILEDS

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



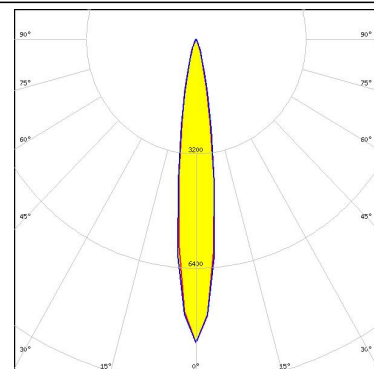
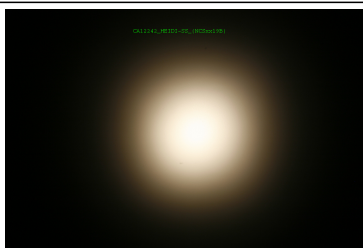
#### NICHIA

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

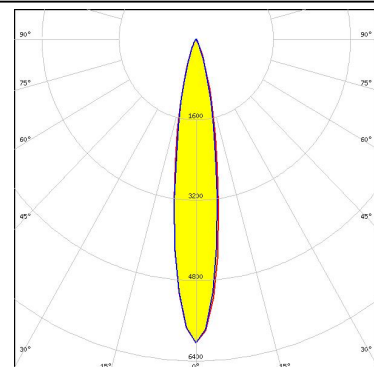
#### PHOTOMETRIC DATA (MEASURED):



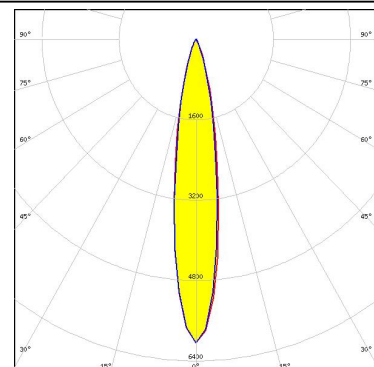
LED NCSxx19B  
FWHM 15.0°  
Efficiency 86 %  
Peak intensity 8.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



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



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



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

SetPlotSize=100: 3 range error - min >= max

#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

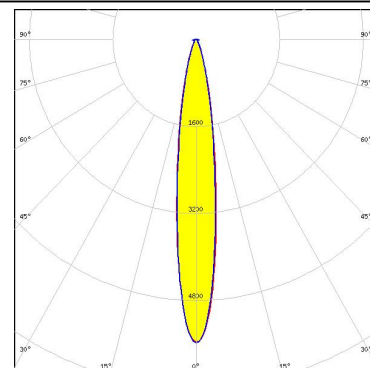
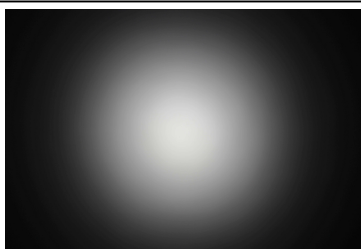
Opto Semiconductors

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

SetPlotSizeWidth(1): 3 range error - min >= max

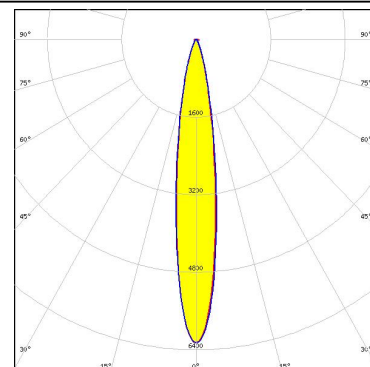
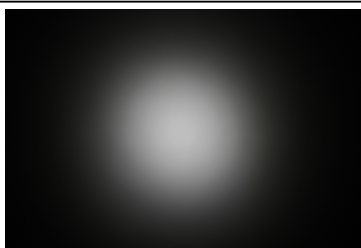
#### SAMSUNG

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



#### SAMSUNG

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



SEOUL SEMICONDUCTOR

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

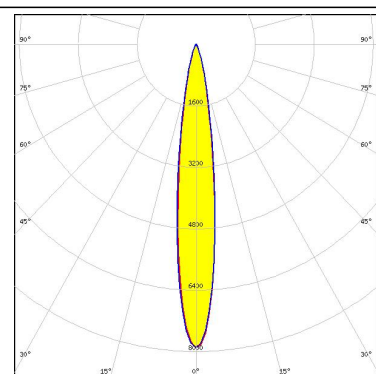
SetPlotSizeWidth(1): 3 range error - min >= max

### PHOTOMETRIC DATA (MEASURED):



SEOUL SEMICONDUCTOR

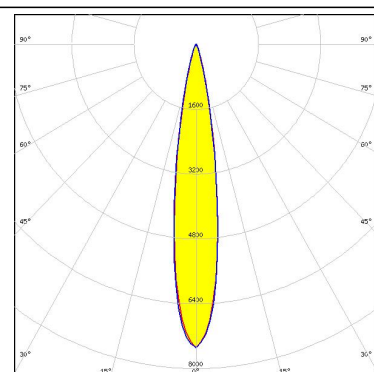
LED Z5M1/Z5M2  
FWHM 14.0°  
Efficiency 91 %  
Peak intensity 7.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



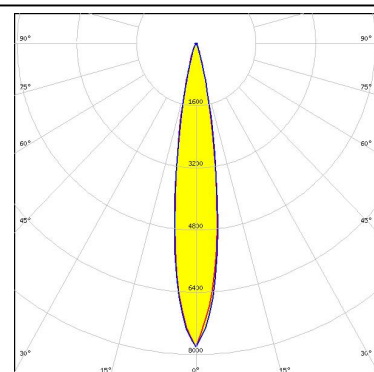
### PHOTOMETRIC DATA (SIMULATED):



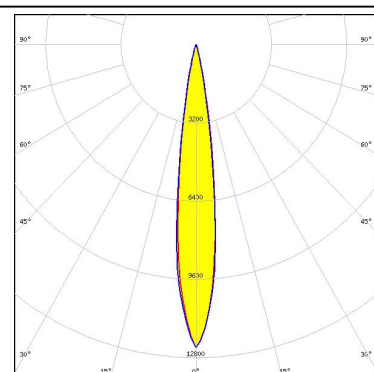
LED XP-G2 HE  
FWHM 16.0°  
Efficiency 94 %  
Peak intensity 7.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



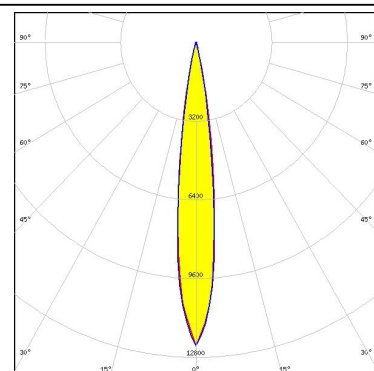
LED XP-G3  
FWHM 17.0°  
Efficiency 94 %  
Peak intensity 7.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



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



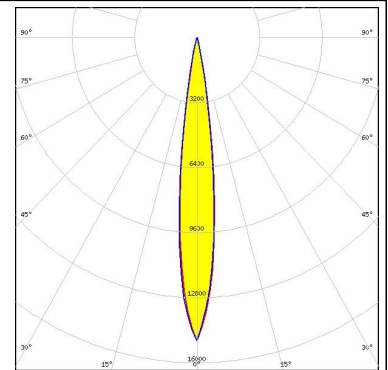
LED LUXEON SunPlus 20 Line (150 deg)  
FWHM 14.0°  
Efficiency 92 %  
Peak intensity 12.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



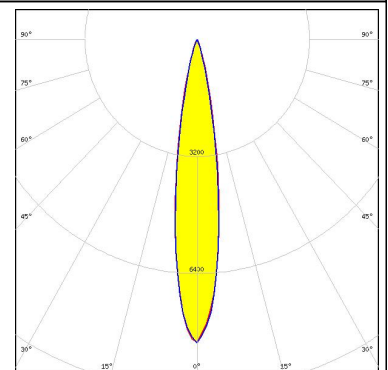
### PHOTOMETRIC DATA (SIMULATED):



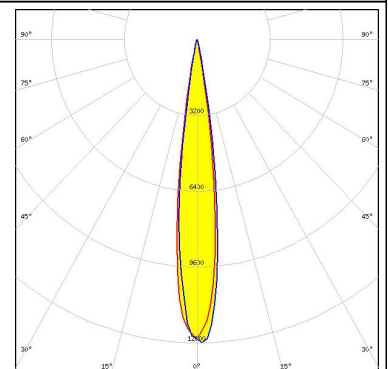
LED LUXEON Z ES  
FWHM 13.0°  
Efficiency 94 %  
Peak intensity 14.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSOLON Square CSSRM2/CSSRM3  
FWHM 17.0°  
Efficiency 94 %  
Peak intensity 8.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED SFH 4170S  
FWHM 15.0°  
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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