

## HEIDI-SS

~15° smooth spot beam

### TECHNICAL SPECIFICATIONS:

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

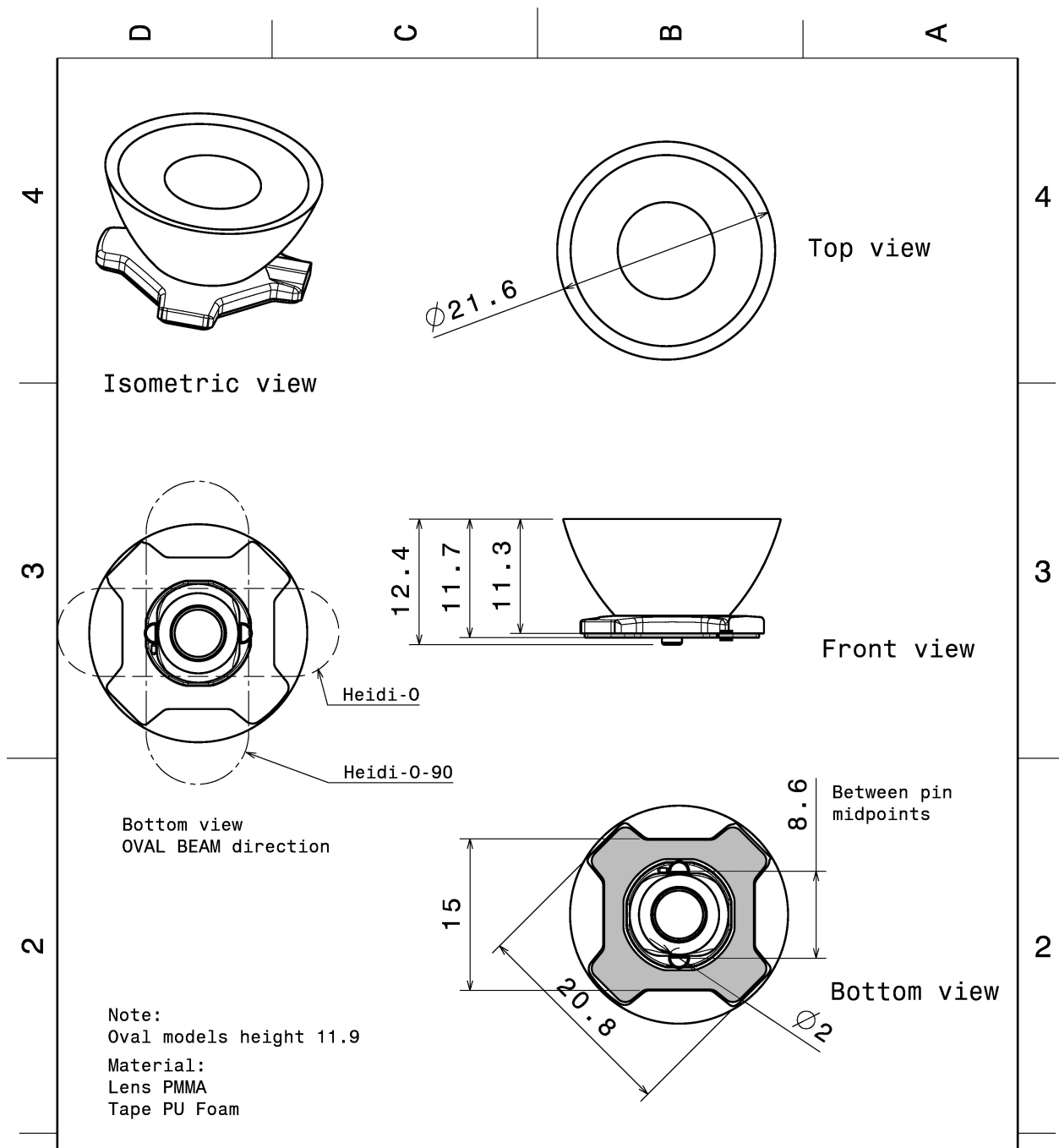
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HEIDI-SS	Single lens	PMMA		
HEIDI-TAPE	Tape	PU tape		

### 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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 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 7.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

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

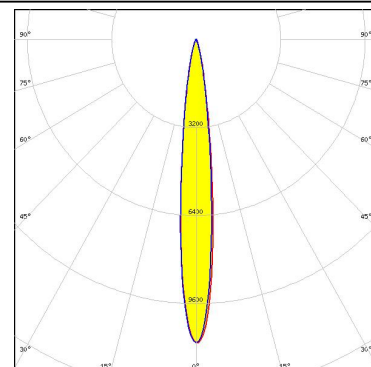


LED XP-G  
FWHM 16.0°  
Efficiency 92 %  
Peak intensity 5.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

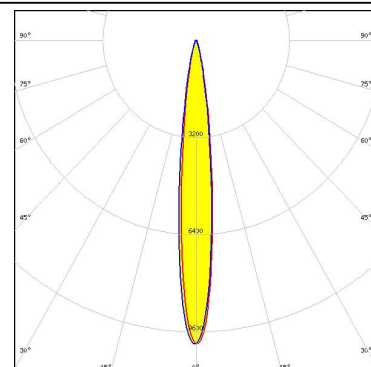
SetPlotSizeWidth(1): 3 range error - min >= max



LED XQ-E HD  
FWHM 12.0°  
Efficiency 94 %  
Peak intensity 11.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



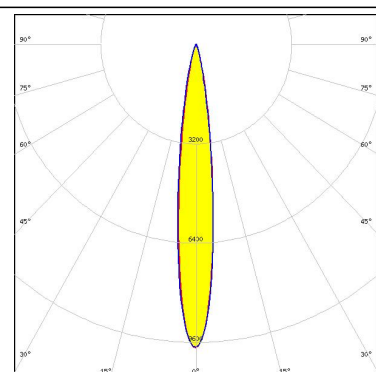
LED XQ-E HI  
FWHM 12.0°  
Efficiency 92 %  
Peak intensity 10.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

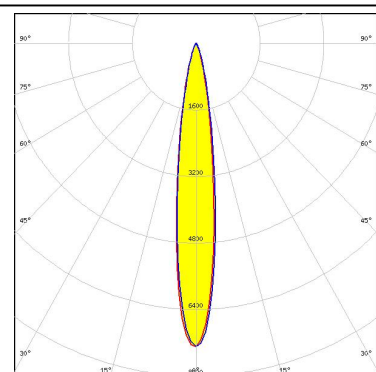
#### LUMILEDS

LED LUXEON C  
FWHM 13.0°  
Efficiency 87 %  
Peak intensity 9.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



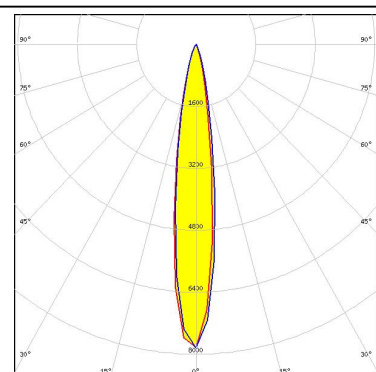
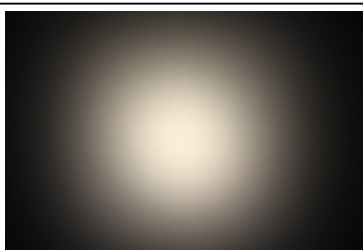
#### LUMILEDS

LED LUXEON T  
FWHM 15.0°  
Efficiency 87 %  
Peak intensity 7.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

LED LUXEON TX  
FWHM 16.0°  
Efficiency 86 %  
Peak intensity 7.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



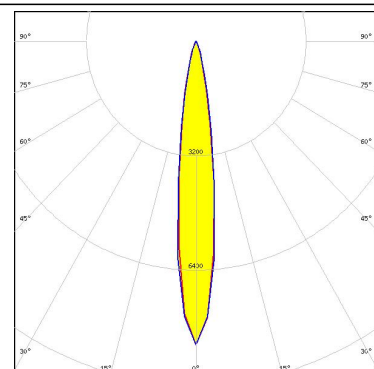
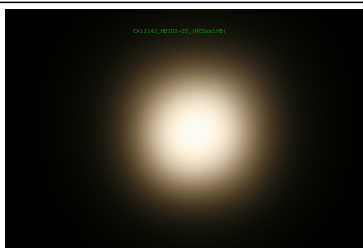
#### NICHIA

LED NCSxx19A  
FWHM 14.0°  
Efficiency 89 %  
Peak intensity 7.230 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

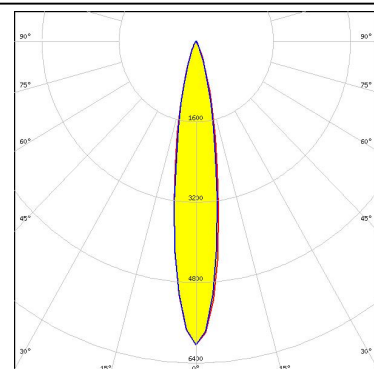
#### PHOTOMETRIC DATA (MEASURED):



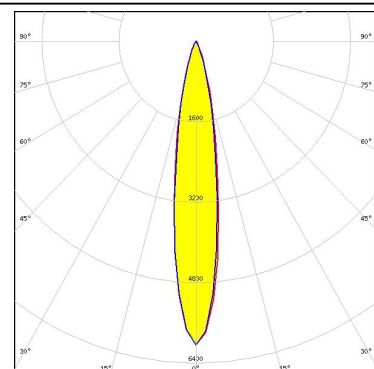
LED NCSxx19B  
FWHM 15.0°  
Efficiency 86 %  
Peak intensity 8.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxx19A  
FWHM 15.0°  
Efficiency 89 %  
Peak intensity 6.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxx19B/NVSxx19C  
FWHM 18.0°  
Efficiency 87 %  
Peak intensity 6.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSLOM SSL 150  
FWHM 14.0°  
Efficiency 91 %  
Peak intensity 7.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

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

#### PHOTOMETRIC DATA (MEASURED):

##### OSRAM

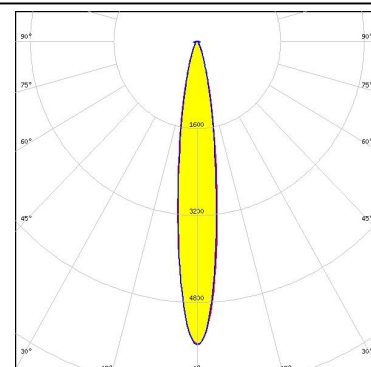
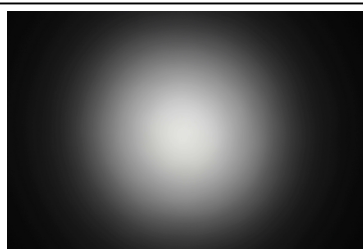
Opto Semiconductors

LED OSLON SSL 80  
FWHM 14.0°  
Efficiency 89 %  
Peak intensity 7.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

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

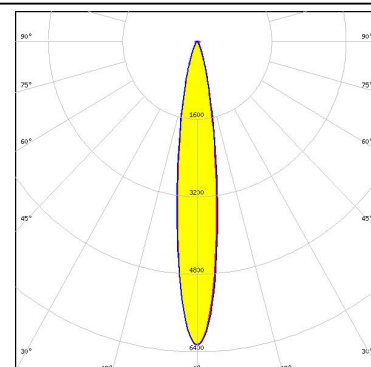
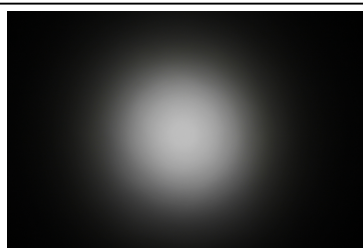
##### SAMSUNG

LED LH181A  
FWHM 15.0°  
Efficiency 88 %  
Peak intensity 5.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### SAMSUNG

LED LH181B  
FWHM 15.0°  
Efficiency 93 %  
Peak intensity 6.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z5  
FWHM 14.0°  
Efficiency 92 %  
Peak intensity 6.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

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

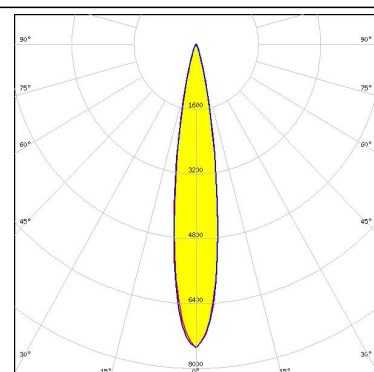
### PHOTOMETRIC DATA (MEASURED):



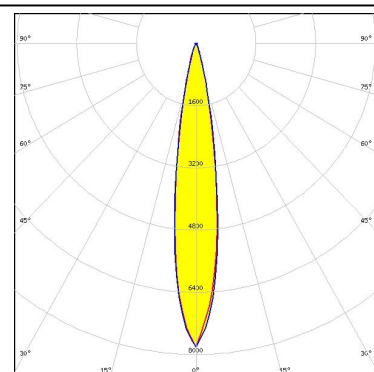
### PHOTOMETRIC DATA (SIMULATED):



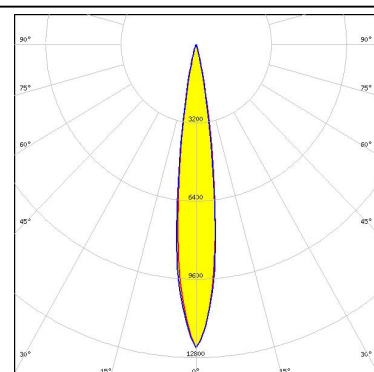
LED XP-G2 HE  
FWHM 16.0°  
Efficiency 94 %  
Peak intensity 7.492 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



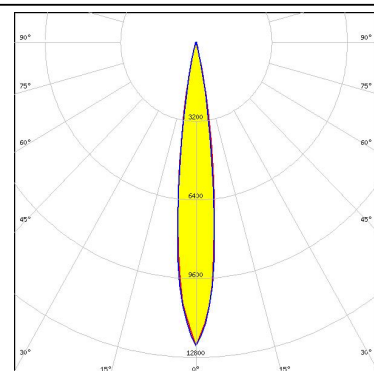
LED XP-G3  
FWHM 17.0°  
Efficiency 94 %  
Peak intensity 7.810 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON SunPlus 20 Line (120 deg)  
FWHM 14.0°  
Efficiency 96 %  
Peak intensity 12.403 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 12.333 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

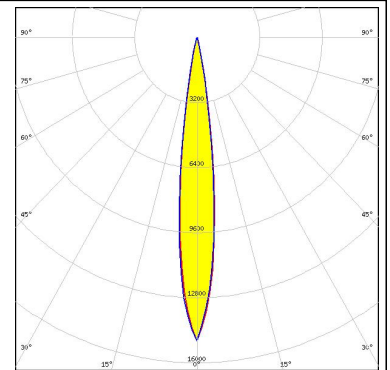




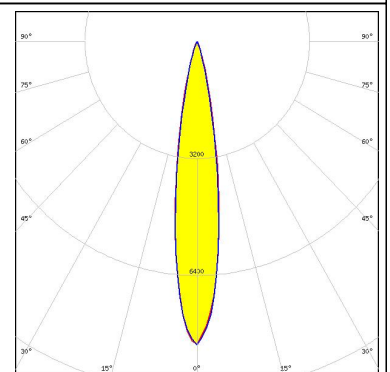
### PHOTOMETRIC DATA (SIMULATED):



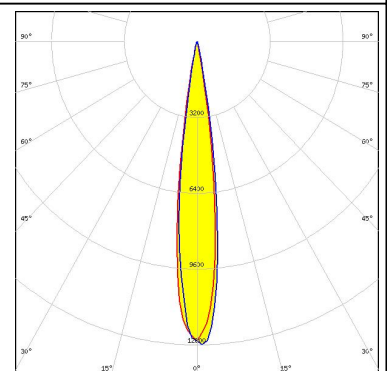
LED LUXEON Z ES  
FWHM 13.0°  
Efficiency 94 %  
Peak intensity 14.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSLO Square CSSRM2/CSSRM3  
FWHM 17.0°  
Efficiency 94 %  
Peak intensity 8.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED SFH 4170S  
FWHM 15.0°  
Efficiency 88 %  
Peak intensity cd/lm  
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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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