

## HEIDI-RS

~8° spot beam

### TECHNICAL SPECIFICATIONS:

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

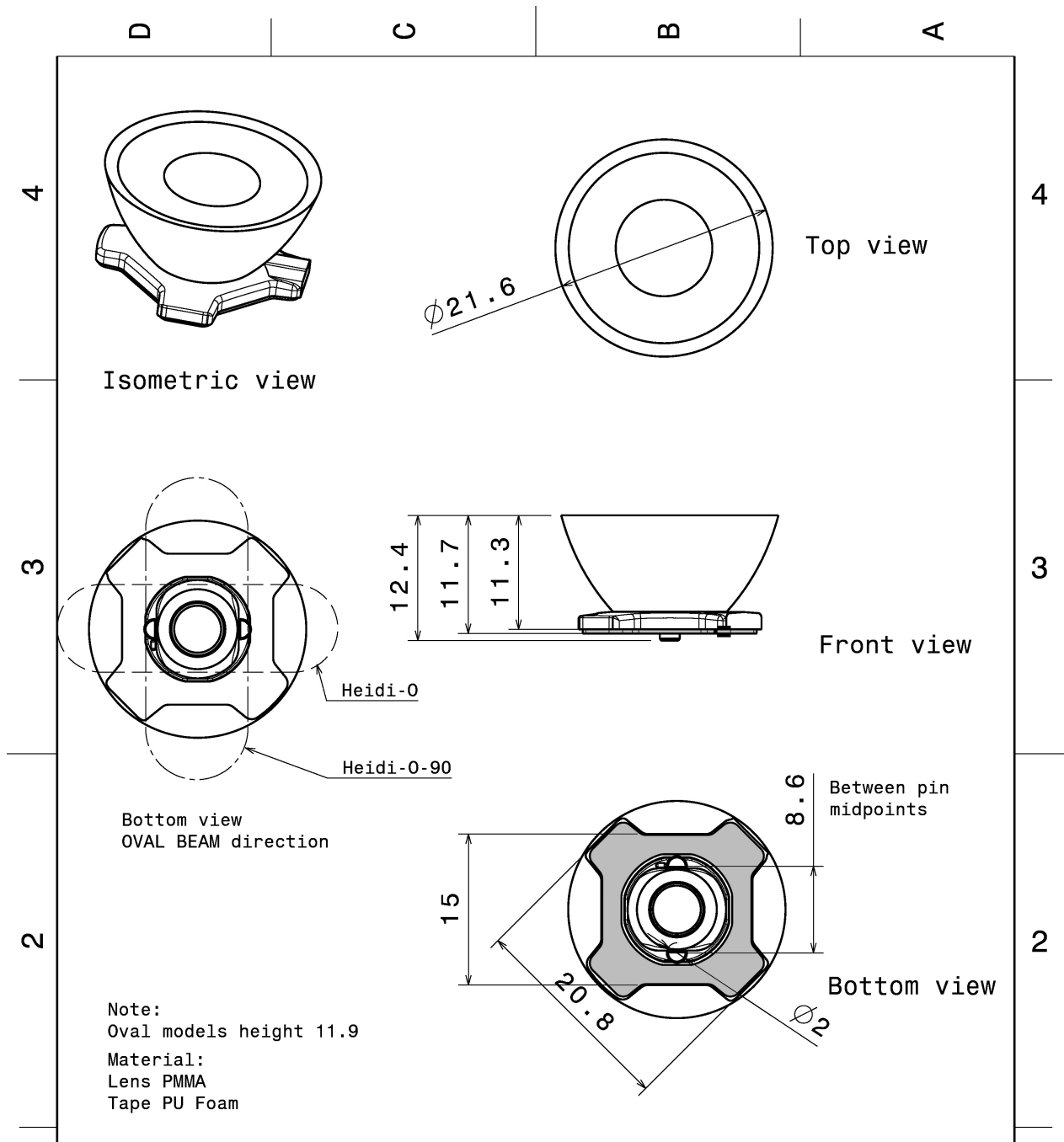
### MATERIAL SPECIFICATIONS:

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



### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11663_HEIDI-RS	Single lens	3264	204	204	10.4
» Box size: 480 x 280 x 300 mm					



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DRAWING TITLE		<b>Datasheet Heidi-Series Assy</b>			
DRAWN BY ah	DATE 1.2.2012	SIZE A4	DRAWING NUMBER		REV 2
CHECKED BY	DATE	SCALE 2:1	WEIGHT (g)	SHEET 1/1	
DESIGNED BY	DATE				

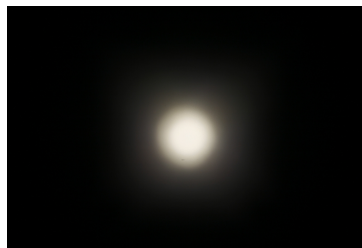
**PHOTOMETRIC DATA (MEASURED):**

**CREE** 

LED XB-D  
FWHM 8.0°  
Efficiency 91 %  
Peak intensity 19.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

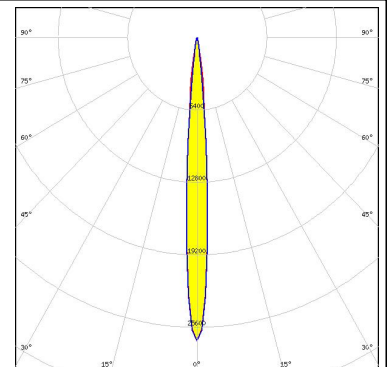
**CREE** 

LED XB-H  
FWHM 10.0°  
Efficiency 90 %  
Peak intensity 18.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



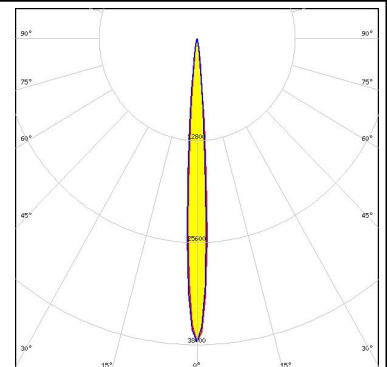
**CREE** 

LED XP-E  
FWHM 8.0°  
Efficiency 93 %  
Peak intensity 26.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**CREE** 

LED XP-E2  
FWHM 8.0°  
Efficiency 90 %  
Peak intensity 38 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



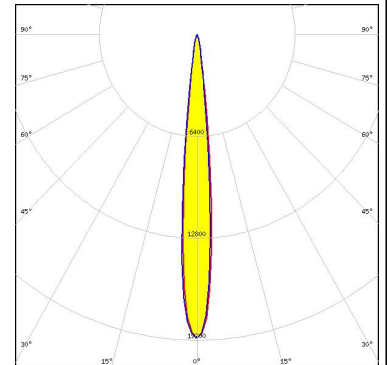
**PHOTOMETRIC DATA (MEASURED):**

**CREE** 

LED XP-G  
FWHM 9.0°  
Efficiency 93 %  
Peak intensity 16.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

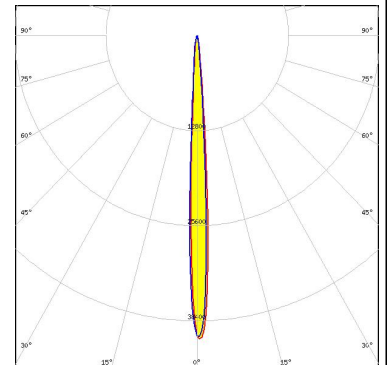
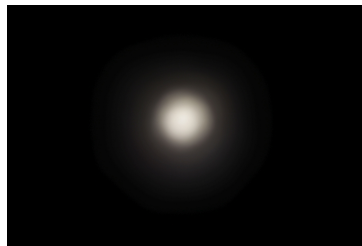
**CREE** 

LED XP-G2  
FWHM 11.0°  
Efficiency 91 %  
Peak intensity 19.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



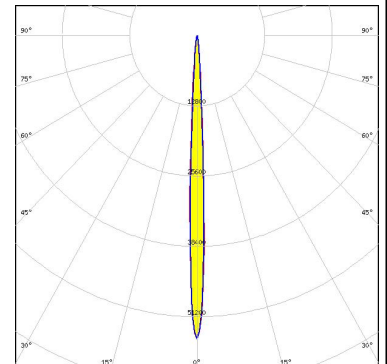
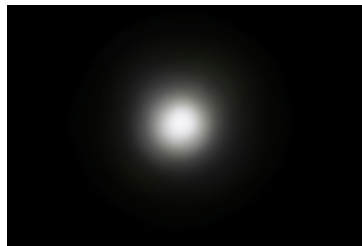
**CREE** 

LED XQ-E HD  
FWHM 6.0°  
Efficiency 94 %  
Peak intensity 42.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**CREE** 

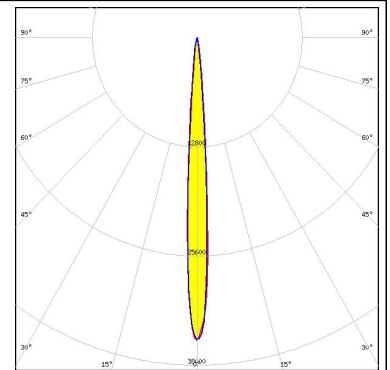
LED XQ-E HI  
FWHM 5.0°  
Efficiency 94 %  
Peak intensity 55.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

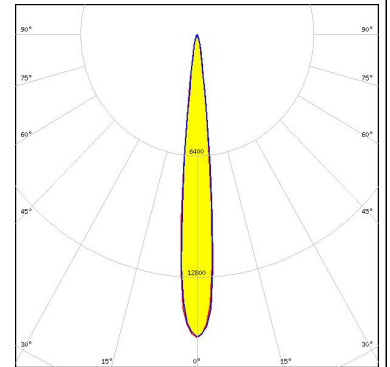
#### LUMILEDS

LED LUXEON C  
 FWHM 7.0°  
 Efficiency 92 %  
 Peak intensity 35.6 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



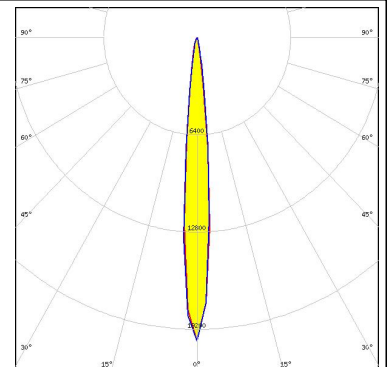
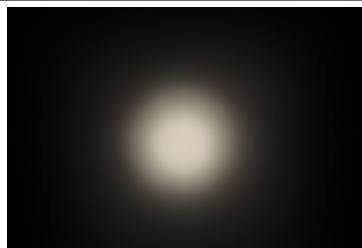
#### LUMILEDS

LED LUXEON T  
 FWHM 11.0°  
 Efficiency 92 %  
 Peak intensity 16.3 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

LED LUXEON TX  
 FWHM 10.0°  
 Efficiency 90 %  
 Peak intensity 19.5 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



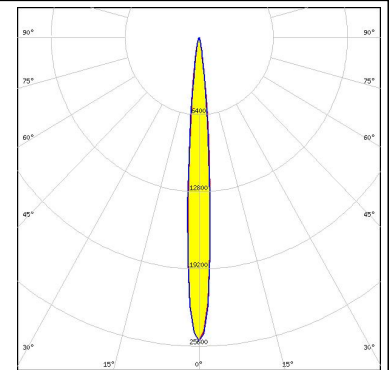
#### NICHIA

LED NCSxx19A  
 FWHM 8.0°  
 Efficiency 89 %  
 Peak intensity 19 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:

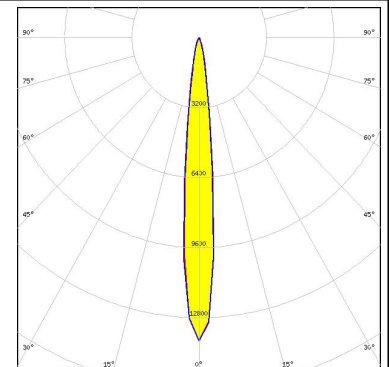
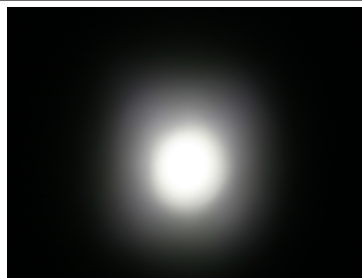
#### PHOTOMETRIC DATA (MEASURED):



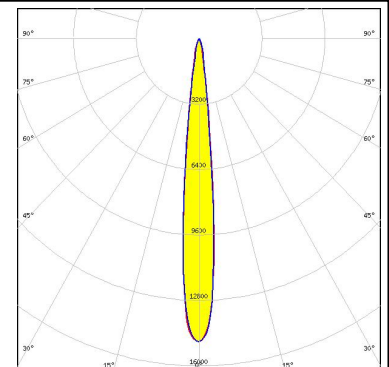
LED NCSxx19B  
 FWHM 9.0°  
 Efficiency 90 %  
 Peak intensity 25.2 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19A  
 FWHM 10.0°  
 Efficiency 89 %  
 Peak intensity 13.9 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM 12.0°  
 Efficiency 92 %  
 Peak intensity 13.9 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM 12.0°  
 Efficiency 96 %  
 Peak intensity 14.8 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:

## PHOTOMETRIC DATA (MEASURED):

### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM 10.0°  
Efficiency 89 %  
Peak intensity 20.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



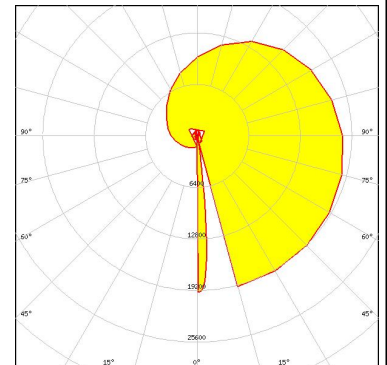
### OSRAM

Opto Semiconductors

LED OSLON SSL 150  
FWHM 7.0°  
Efficiency 93 %  
Peak intensity 24.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

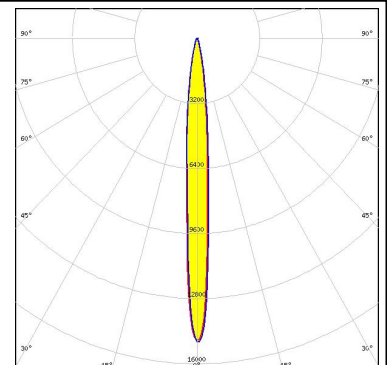
### PHILIPS

LED Fortimo FastFlex 2x8 DS G3  
FWHM 10.0°  
Efficiency 92 %  
Peak intensity 19 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### SAMSUNG

LED LH181A  
FWHM 8.0°  
Efficiency 94 %  
Peak intensity 14.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

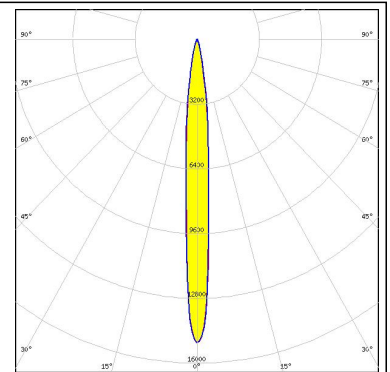




**PHOTOMETRIC DATA (MEASURED):**

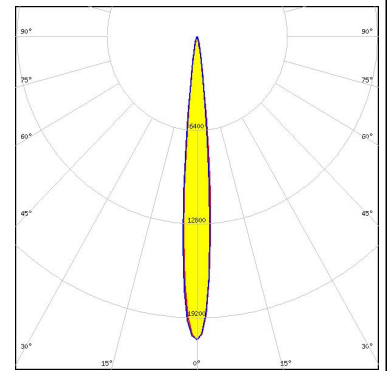
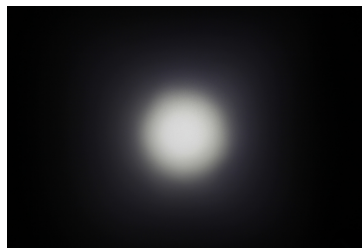
**SAMSUNG**

LED LH181B  
FWHM 9.0°  
Efficiency 94 %  
Peak intensity 15 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



**SAMSUNG**

LED LH351Z  
FWHM 11.0°  
Efficiency 89 %  
Peak intensity 20.7 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



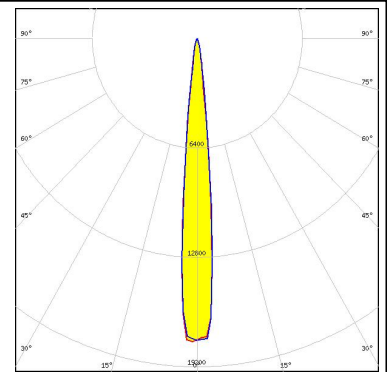
SEOUL SEMICONDUCTOR

LED Z5  
FWHM 7.0°  
Efficiency 93 %  
Peak intensity 32.7 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2  
FWHM 11.0°  
Efficiency 94 %  
Peak intensity 17.8 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

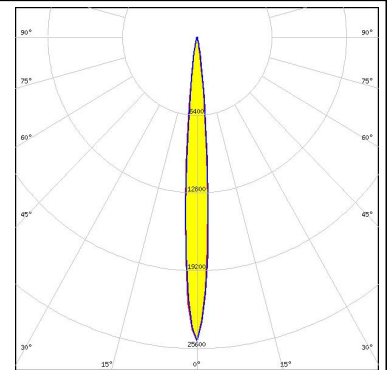




#### PHOTOMETRIC DATA (SIMULATED):

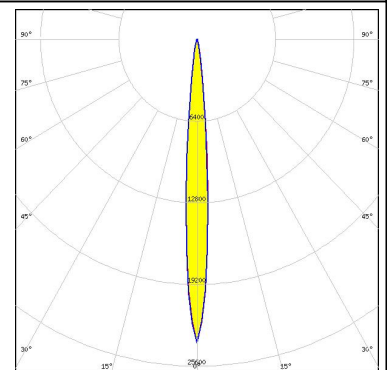
#### CREE

LED XB-D  
 FWHM 8.0°  
 Efficiency 93 %  
 Peak intensity 25 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



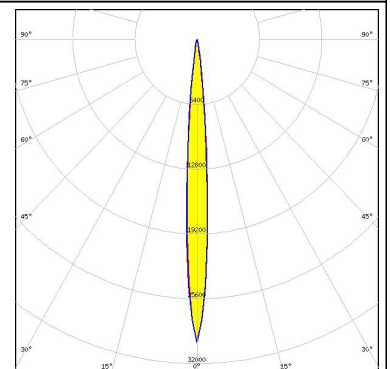
#### CREE

LED XD16  
 FWHM 8.0°  
 Efficiency 96 %  
 Peak intensity 23.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



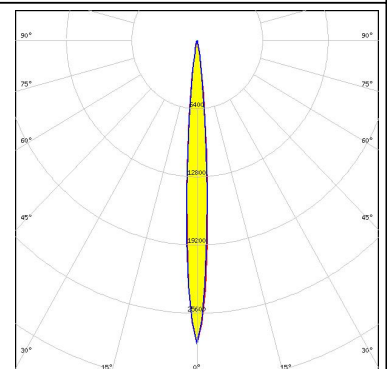
#### LUMILEDS

LED LUXEON SunPlus 20 Line (120 deg)  
 FWHM 8.0°  
 Efficiency 96 %  
 Peak intensity 30 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

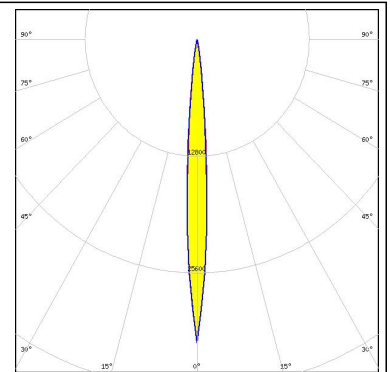
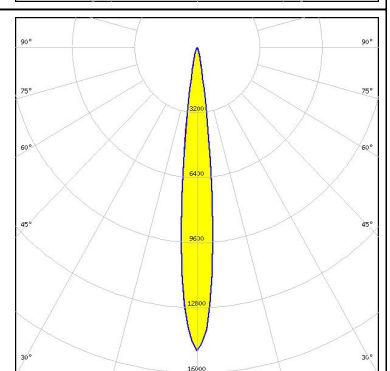
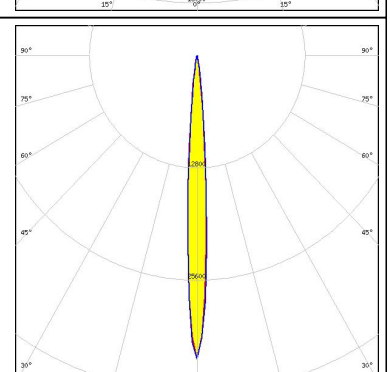
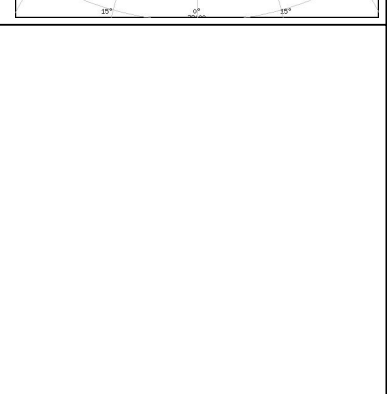


#### LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM 8.0°  
 Efficiency 91 %  
 Peak intensity 28.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



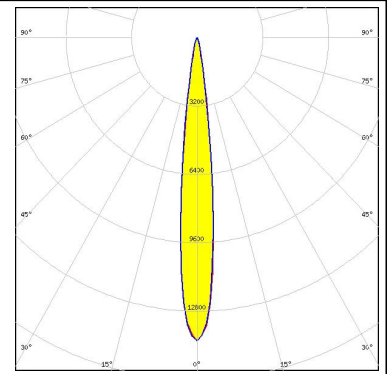
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON Z ES            FWHM 7.7°            Efficiency 94 %            Peak intensity 33.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM 12.0°            Efficiency 94 %            Peak intensity 14.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3030            FWHM 7.1°            Efficiency 96 %            Peak intensity 34.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM Square EC            FWHM 12.0°            Efficiency %            Peak intensity 11.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

## PHOTOMETRIC DATA (SIMULATED):

### SAMSUNG

LED	LH351B
FWHM	12.0°
Efficiency	94 %
Peak intensity	14.2 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:

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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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#### Distribution Partners

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