

## HEIDI-RS

~8° spot beam

### TECHNICAL SPECIFICATIONS:

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

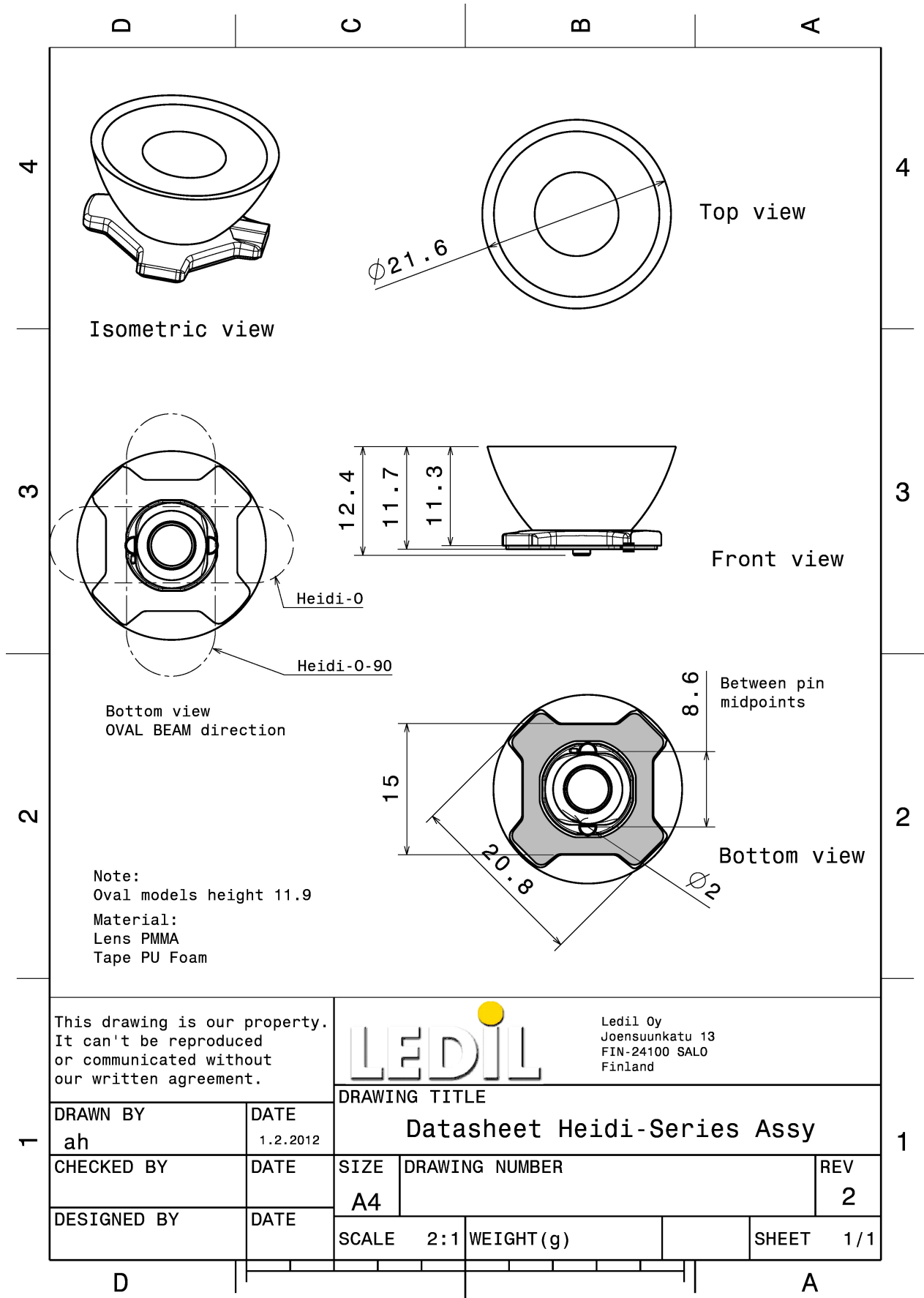


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HEIDI-RS	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12537_HEIDI-RS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					

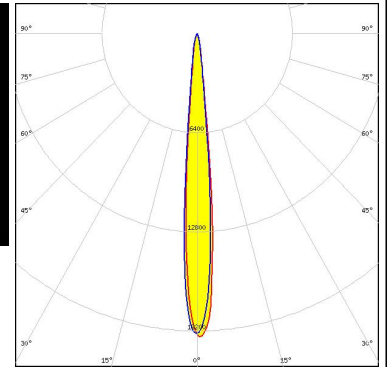


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### PHOTOMETRIC DATA (MEASURED):

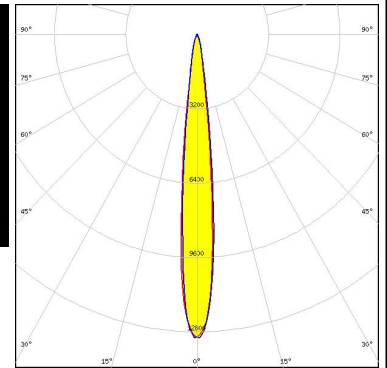
#### CREE LED

LED XP-G2  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 94 %  
 Peak intensity 20 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



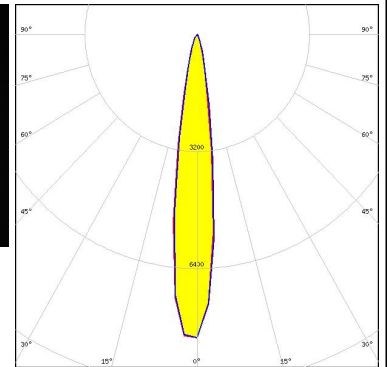
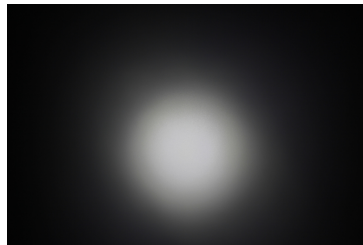
#### CREE LED

LED XP-G3  
 FWHM / FWTM 12.0° / 23.0°  
 Efficiency 94 %  
 Peak intensity 13 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



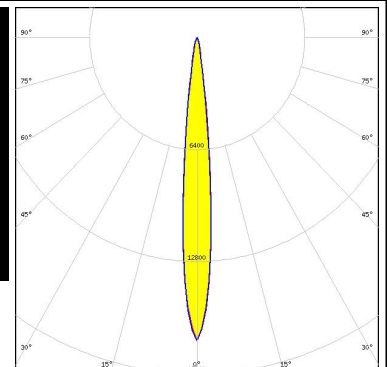
#### CREE LED

LED XP-L HD  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 89 %  
 Peak intensity 8.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

LED LUXEON A  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 87 %  
 Peak intensity 15.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

#### LUMILEDS

LED LUXEON Rebel  
 FWHM / FWTM 8.0° / 17.0°  
 Efficiency 88 %  
 Peak intensity 26 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



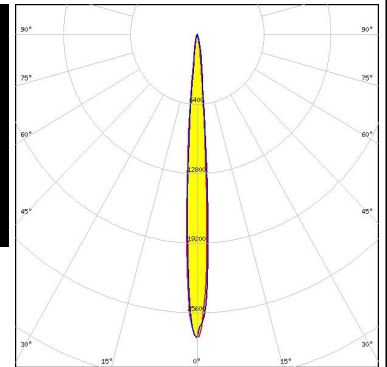
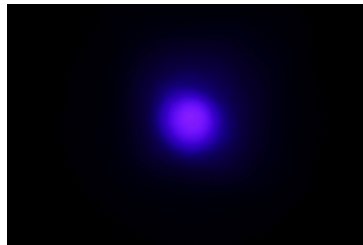
#### LUMILEDS

LED LUXEON Rebel ES  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 86 %  
 Peak intensity 15.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



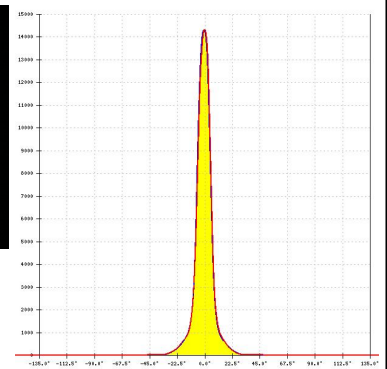
#### LUMINUS

LED SST-10-B130  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 96 %  
 Peak intensity 27.9 cd/lm  
 LEDs/each optic 1  
 Light colour Blue  
 Required components:



#### NICHIA

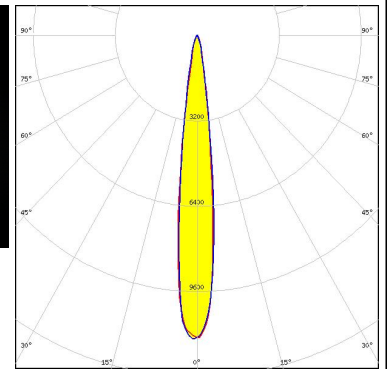
LED NVSW219D  
 FWHM / FWTM 11.0° / 21.0°  
 Efficiency 94 %  
 Peak intensity 14.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



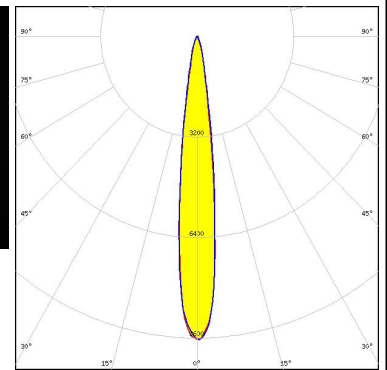
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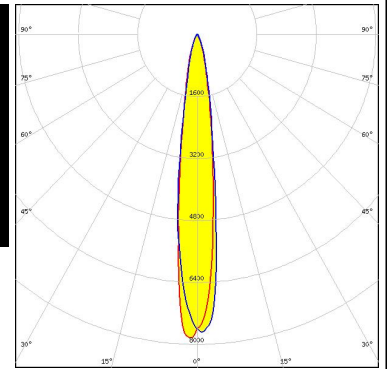
LED NVSW319B  
 FWHM / FWTM 13.0° / 25.0°  
 Efficiency 94 %  
 Peak intensity 11.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



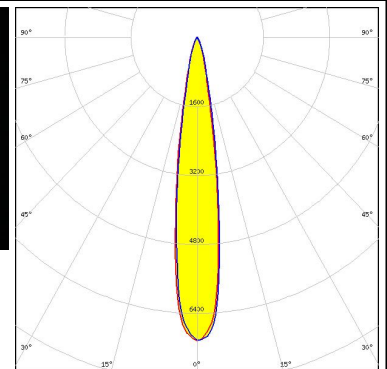
LED NVSW3x9A  
 FWHM / FWTM 13.0° / 27.0°  
 Efficiency 92 %  
 Peak intensity 9.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




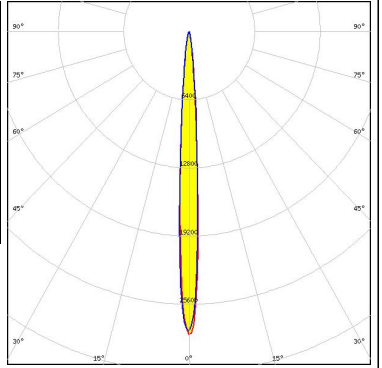

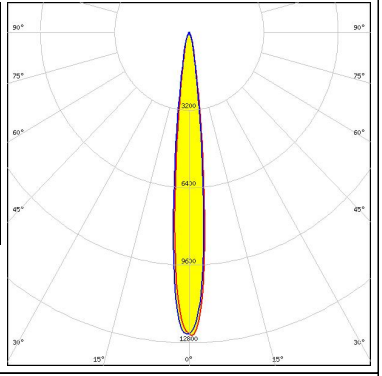

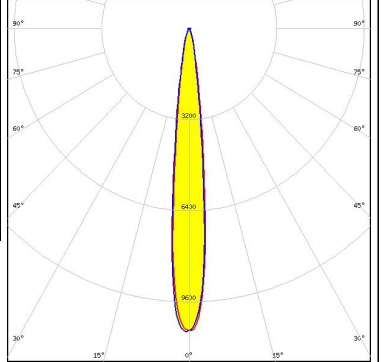
LED NVSW519A  
 FWHM / FWTM 14.0° / 33.0°  
 Efficiency 93 %  
 Peak intensity 8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NWSx229A  
 FWHM / FWTM 16.0° / 32.0°  
 Efficiency 87 %  
 Peak intensity 7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 7.0° / 16.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 28.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED PLPVEC2 850A</p> <p>FWHM / FWTM 6.0° / 16.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z5M3</p> <p>FWHM / FWTM 11.0° / 23.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 12.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 12.0° / 25.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 10.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED: XHP35 HI            FWHM / FWTM: 12.0° / 22.0°            Efficiency: 96 %            Peak intensity: 14.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED: XP-G2 HE            FWHM / FWTM: 12.0° / 26.0°            Efficiency: 95 %            Peak intensity: 12 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON HL2X            FWHM / FWTM: 14.0° / 26.0°            Efficiency: 95 %            Peak intensity: 11.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON IR Domed 150            FWHM / FWTM: 11.0° / 22.0°            Efficiency: 94 %            LEDs/each optic: 1            Light colour: White            Required components:</p>	

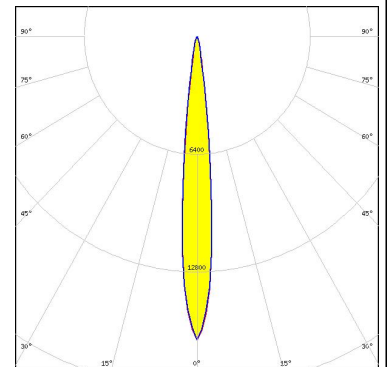
### PHOTOMETRIC DATA (SIMULATED):

#### LUMILEDS

LED LUXEON IR Domed 90  
 FWHM / FWTM 11.0° / 23.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

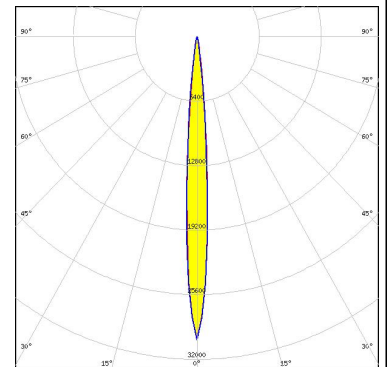
#### LUMILEDS

LED LUXEON R  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 92 %  
 Peak intensity 16.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



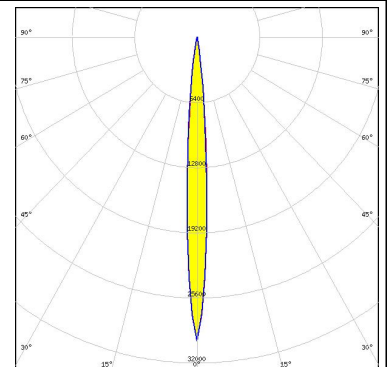
#### LUMILEDS

LED LUXEON SunPlus 20 Line (120 deg)  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 96 %  
 Peak intensity 30.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM / FWTM 7.8° / 17.0°  
 Efficiency 93 %  
 Peak intensity 29.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON SunPlus 20 Line (150 deg)</p> <p>FWHM / FWTM 8.0° / 16.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 28.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON SunPlus 35 Line</p> <p>FWHM / FWTM 7.8° / 17.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 31.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 19.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NV4WB35AM</p> <p>FWHM / FWTM 16.0° / 30.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

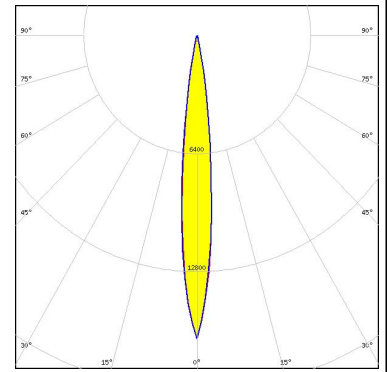
<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM / FWTM 10.0° / 20.0°            Efficiency 94 %            Peak intensity 19.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 12.0° / 22.0°            Efficiency 95 %            Peak intensity 15 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ C 2424            FWHM / FWTM 8.0° / 18.0°            Efficiency 96 %            Peak intensity 26.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 3737 Flat            FWHM / FWTM 10.0° / 22.0°            Efficiency 96 %            Peak intensity 16.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

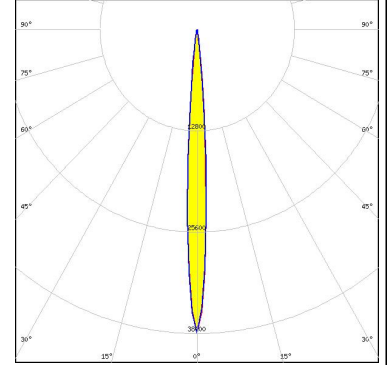
LED OSLON Black  
 FWHM / FWTM 11.0° / 22.0°  
 Efficiency 93 %  
 Peak intensity 16.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

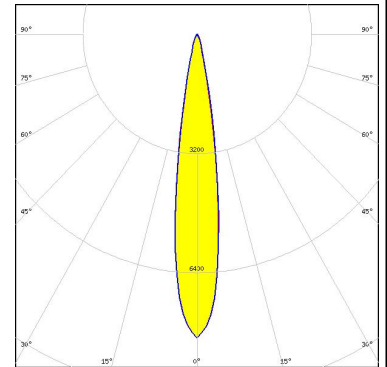
Opto Semiconductors

LED OSLON Black Flat  
 FWHM / FWTM 7.3° / 15.0°  
 Efficiency 94 %  
 Peak intensity 38.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



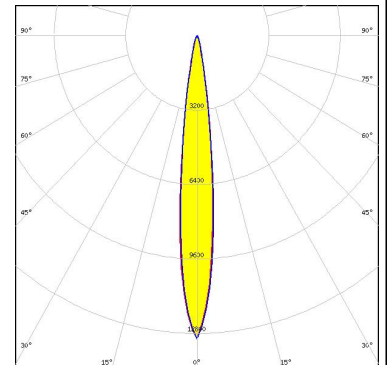
#### SAMSUNG

LED LH351D  
 FWHM / FWTM 16.0° / 29.0°  
 Efficiency 94 %  
 Peak intensity 8.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Z5M4  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 96 %  
 Peak intensity 13 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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#### Local sales and technical support

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