

## LEILA-Y-RS

~10° spot beam. 14.8 mm high assembly with holder, installation tape and pins.

### SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

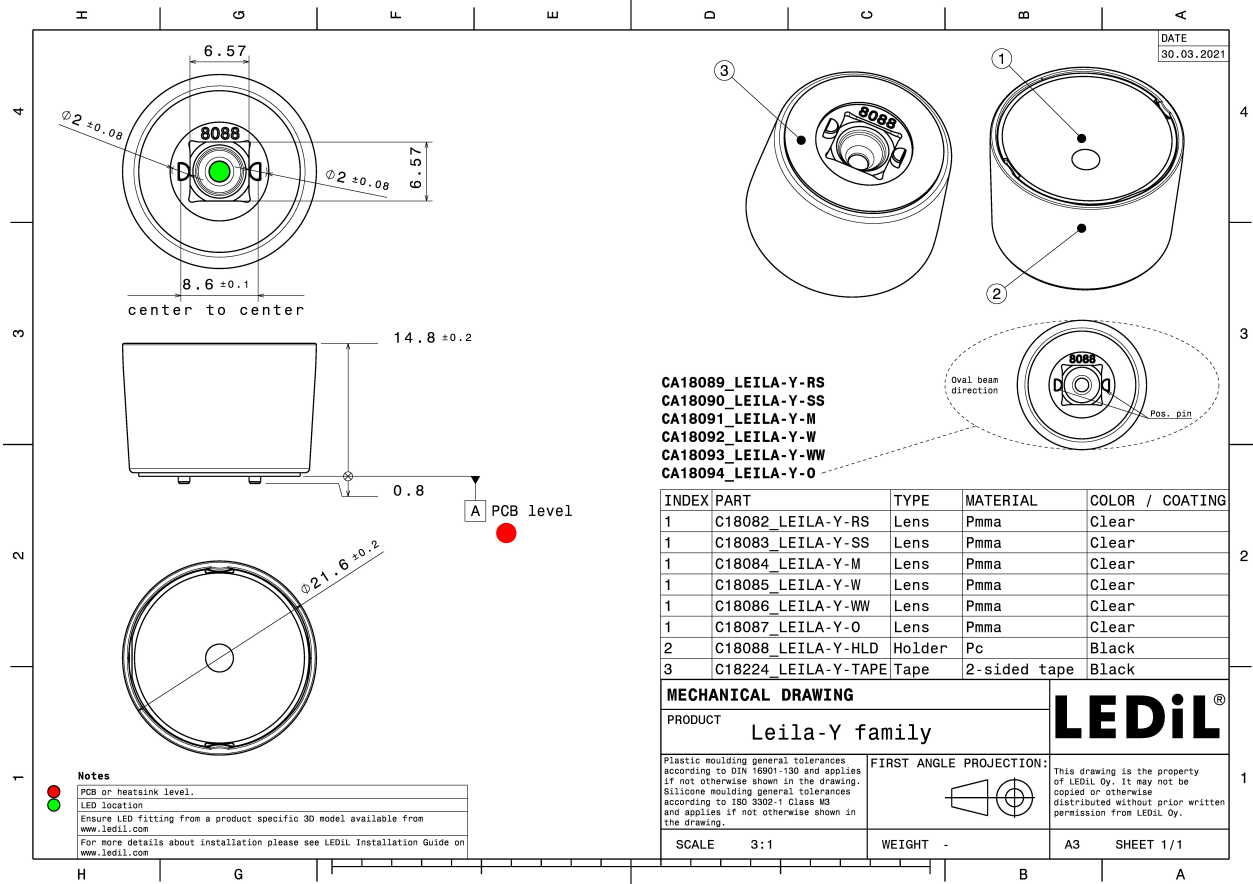
### MATERIALS:

Component	Type	Material	Colour	Finish
LEILA-Y-RS	Single lens	PMMA	clear	gloss
LEILA-Y-HLD	Holder	PC	black	gloss
LEILA-Y-TAPE	Tape	Acrylic foam		

### ORDERING INFORMATION:

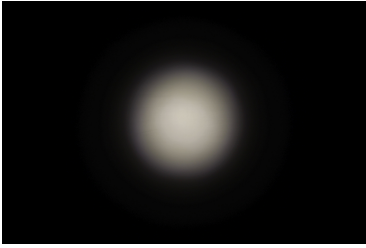
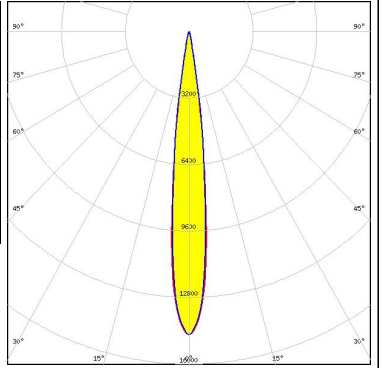
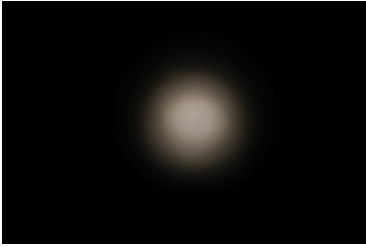
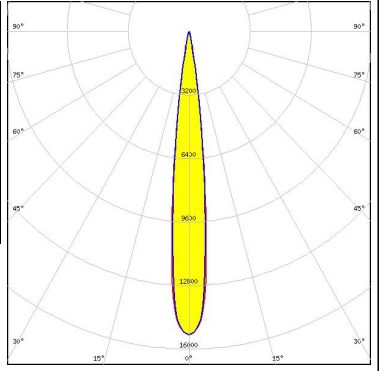
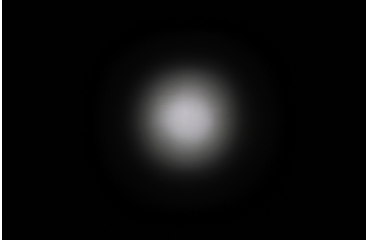
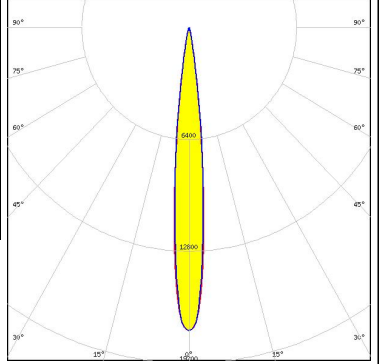
Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18089_LEILA-Y-RS » Box size: 476 x 273 x 197 mm	1800	180	180	7.6



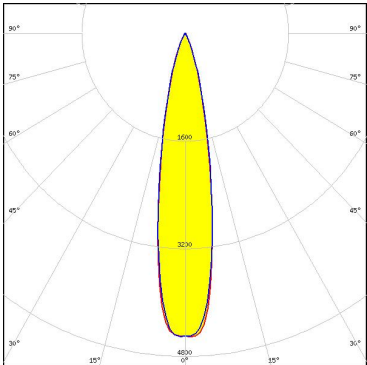
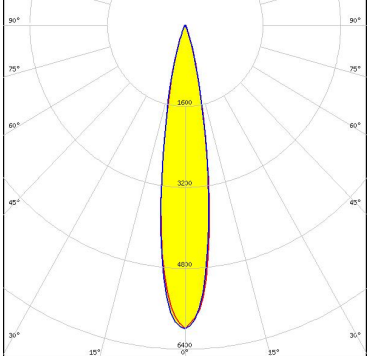
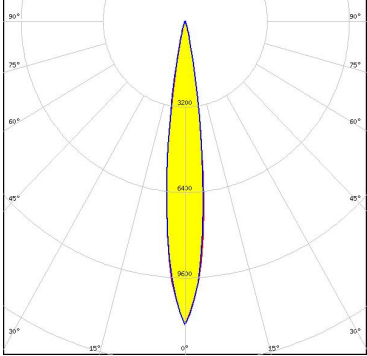
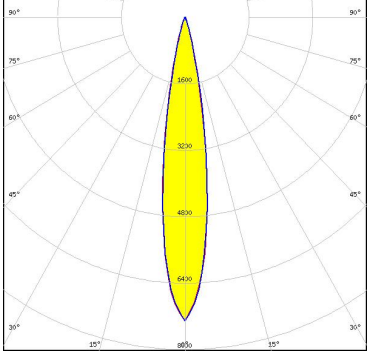


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

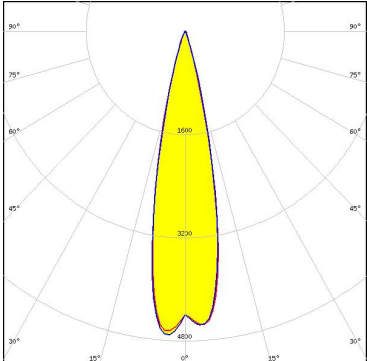
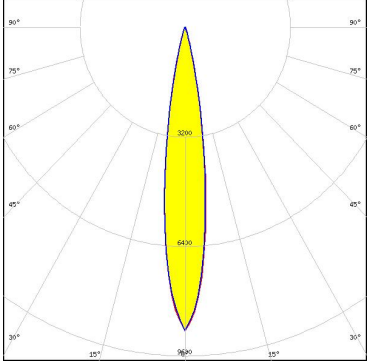
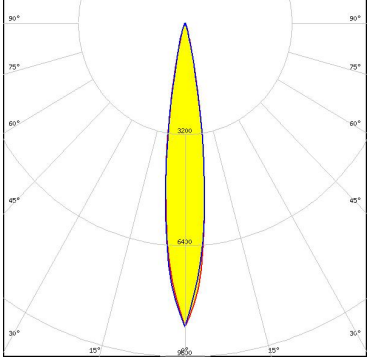
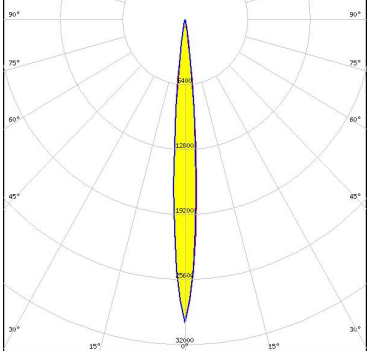
### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LEDs</p> <p>LED XP-G4            FWHM / FWTM 13.0° / 21.0°            Efficiency 87 %            Peak intensity 14.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW719AC            FWHM / FWTM 12.0° / 21.0°            Efficiency 87 %            Peak intensity 15.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3            FWHM / FWTM 11.0° / 20.0°            Efficiency 87 %            Peak intensity 17.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LEDs</p> <p>LED J Series 5050B 6V K Class            FWHM / FWTM 20.0° / 41.0°            Efficiency 79 %            Peak intensity 4.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> LEDs</p> <p>LED XHP35 HD            FWHM / FWTM 18.0° / 35.0°            Efficiency 79 %            Peak intensity 6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> LEDs</p> <p>LED XHP35 HI            FWHM / FWTM 14.0° / 26.0°            Efficiency 87 %            Peak intensity 11.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> LEDs</p> <p>LED XHP35.2 HI            FWHM / FWTM 18.0° / 32.0°            Efficiency 83 %            Peak intensity 7.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

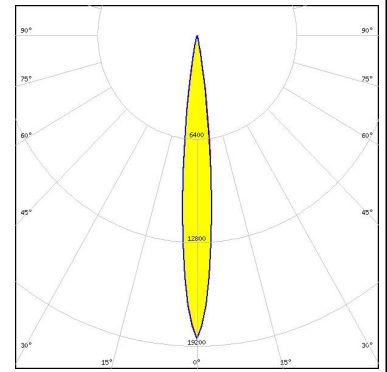
#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LEDs</p> <p>LED XM-L RGBW (XMLDCL HD)</p> <p>FWHM / FWTM 22.0° / 36.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 4.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>	
<p><b>CREE</b> LEDs</p> <p>LED XM-L2</p> <p>FWHM / FWTM 16.0° / 30.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>CREE</b> LEDs</p> <p>LED XM-L3</p> <p>FWHM / FWTM 15.0° / 29.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 8.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>CREE</b> LEDs</p> <p>LED XP-E2</p> <p>FWHM / FWTM 9.0° / 18.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 30 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

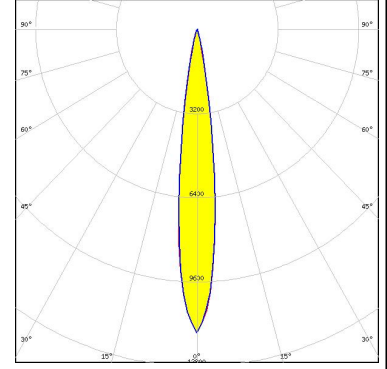
### OPTICAL RESULTS (SIMULATED):



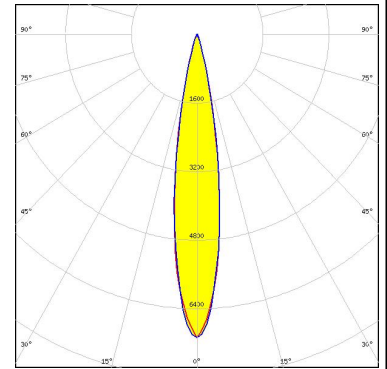
LED XP-G2  
 FWHM / FWTM 11.0° / 21.0°  
 Efficiency 90 %  
 Peak intensity 19 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



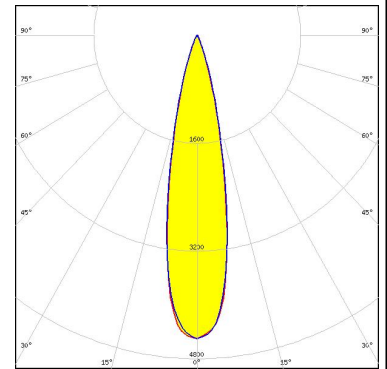
LED XP-G3  
 FWHM / FWTM 13.9° / 25.4°  
 Efficiency 85 %  
 Peak intensity 11.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



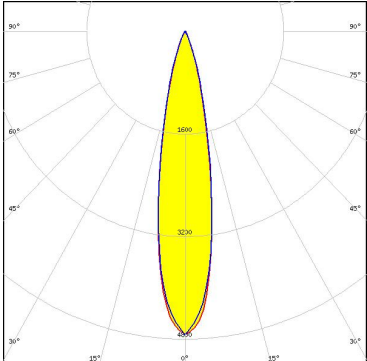
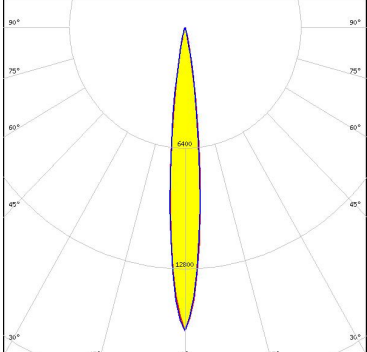
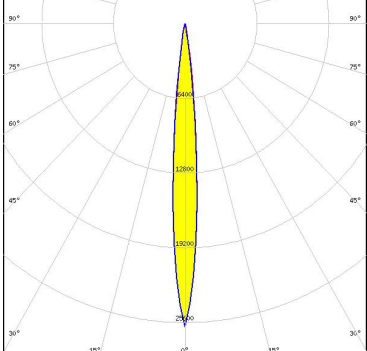
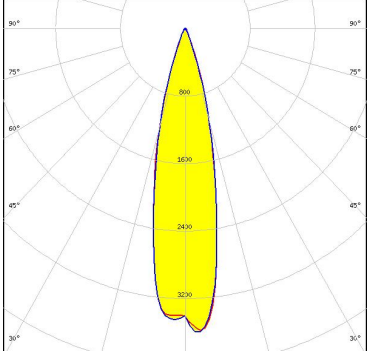
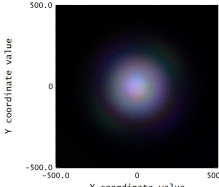
LED XP-L2  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 81 %  
 Peak intensity 7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



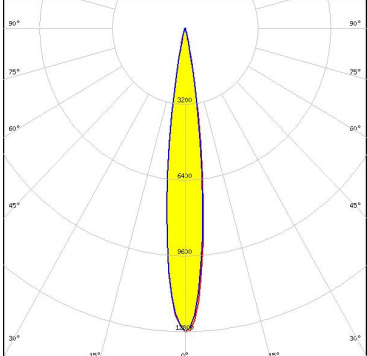
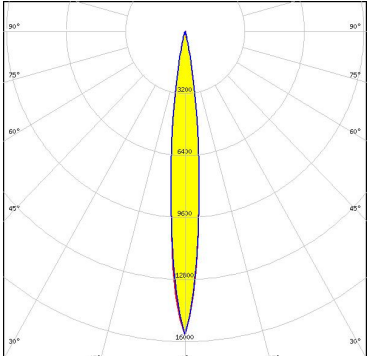
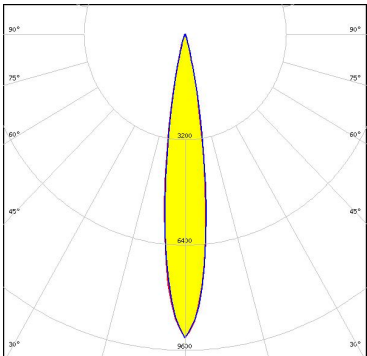
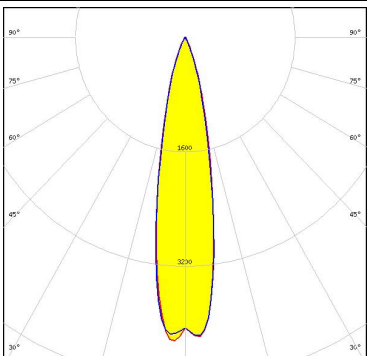
LED LUXEON 5050 Round LES  
 FWHM / FWTM 22.0° / 40.0°  
 Efficiency 81 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

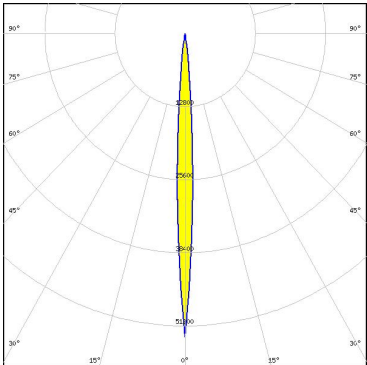
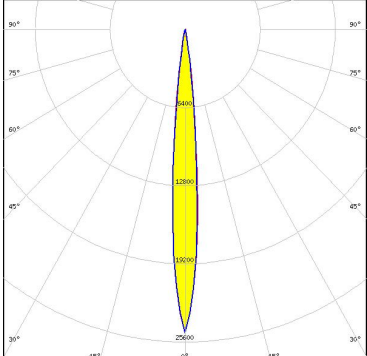
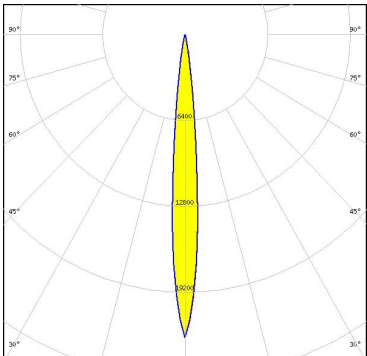
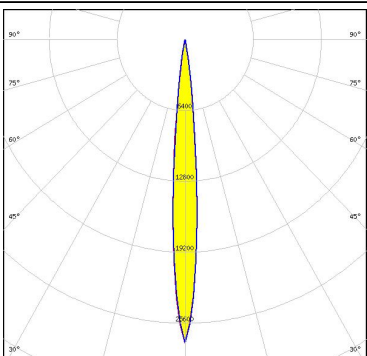

<p><b>LUMILEDS</b></p> <p>LED: LUXEON 5050 Square LES</p> <p>FWHM / FWTM: 20.0° / 40.0°</p> <p>Efficiency: 81 %</p> <p>Peak intensity: 4.7 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON TX</p> <p>FWHM / FWTM: 12.0° / 23.0°</p> <p>Efficiency: 88 %</p> <p>Peak intensity: 16 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 Z ES</p> <p>FWHM / FWTM: 10.0° / 18.0°</p> <p>Efficiency: 90 %</p> <p>Peak intensity: 26 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: NCSxE17A</p> <p>FWHM / FWTM: 24.0° / 42.0°</p> <p>Efficiency: 76 %</p> <p>Peak intensity: 3.6 cd/lm</p> <p>LEDs/each optic: 4</p> <p>Light colour: RGBW</p> <p>Required components:</p>	 <div data-bbox="758 1608 1109 1870" style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Detector Image: Illuminance</p> <p>Zemax Zemax OpticStudio 21.1</p> </div> </div>

### OPTICAL RESULTS (SIMULATED):

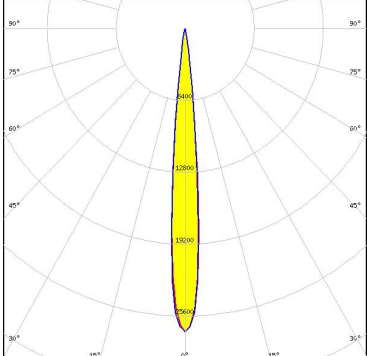
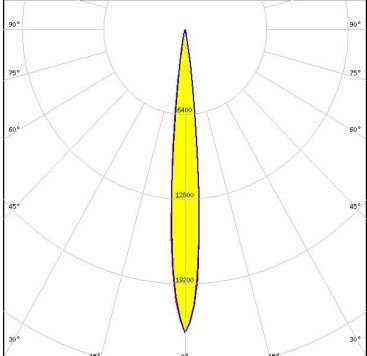
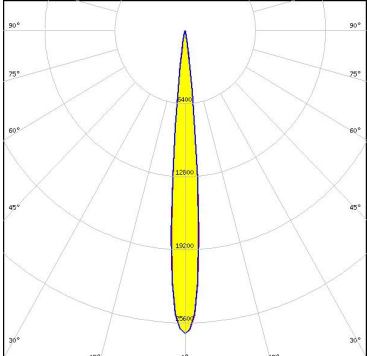
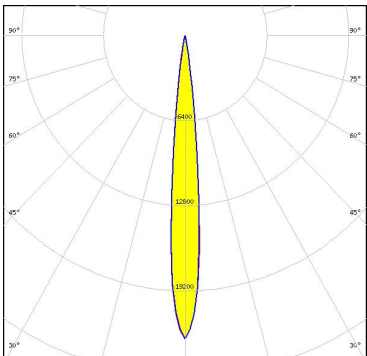
<p><b>NICHIA</b></p> <p>LED: NVSW219F            FWHM / FWTM: 14.0° / 25.0°            Efficiency: 88 %            Peak intensity: 12 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM / FWTM: 12.0° / 24.0°            Efficiency: 86 %            Peak intensity: 15.7 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 3737 (3W version)            FWHM / FWTM: 16.0° / 28.0°            Efficiency: 87 %            Peak intensity: 9.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: OSCONIQ S 5050            FWHM / FWTM: 22.0° / 42.0°            Efficiency: 80 %            Peak intensity: 4.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	



### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Black Flat (LUW HWQP)</p> <p>FWHM / FWTM 6.0° / 14.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 53.1 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 OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 10.0° / 18.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 24.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Far Red</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square Flat</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 22.6 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 OSLON SSL 150</p> <p>FWHM / FWTM 9.0° / 18.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 27 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	 

### OPTICAL RESULTS (SIMULATED):

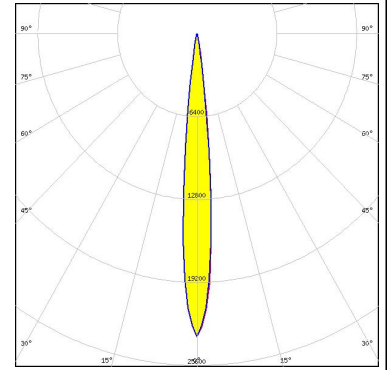
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: SYNIOS S2222</p> <p>FWHM / FWTM: 10.0° / 16.0°</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 27 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: Yellow</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: SYNIOS S2222</p> <p>FWHM / FWTM: 10.0° / 18.0°</p> <p>Efficiency: 90 %</p> <p>Peak intensity: 22.9 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: Blue</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: SYNIOS S2222</p> <p>FWHM / FWTM: 10.0° / 16.0°</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 26.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: Red</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: SYNIOS S2222</p> <p>FWHM / FWTM: 10.0° / 18.0°</p> <p>Efficiency: 90 %</p> <p>Peak intensity: 22.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: Green</p> <p>Required components:</p>	

### OPTICAL RESULTS (SIMULATED):

#### OSRAM

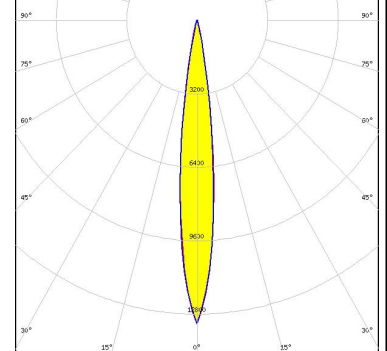
Opto Semiconductors

LED SYNIOS S2222  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 90 %  
 Peak intensity 23.4 cd/lm  
 LEDs/each optic 1  
 Light colour Blue  
 Required components:



#### SAMSUNG

LED LH351B  
 FWHM / FWTM 13.0° / 24.0°  
 Efficiency 86 %  
 Peak intensity 13 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SEMI

SEOUL SEMICONDUCTOR

LED Z5M4  
 FWHM / FWTM 15.0° / 28.0°  
 Efficiency 87 %  
 Peak intensity 10.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

