

## LEILA-Y-SS

~14° smooth 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 ⓘ

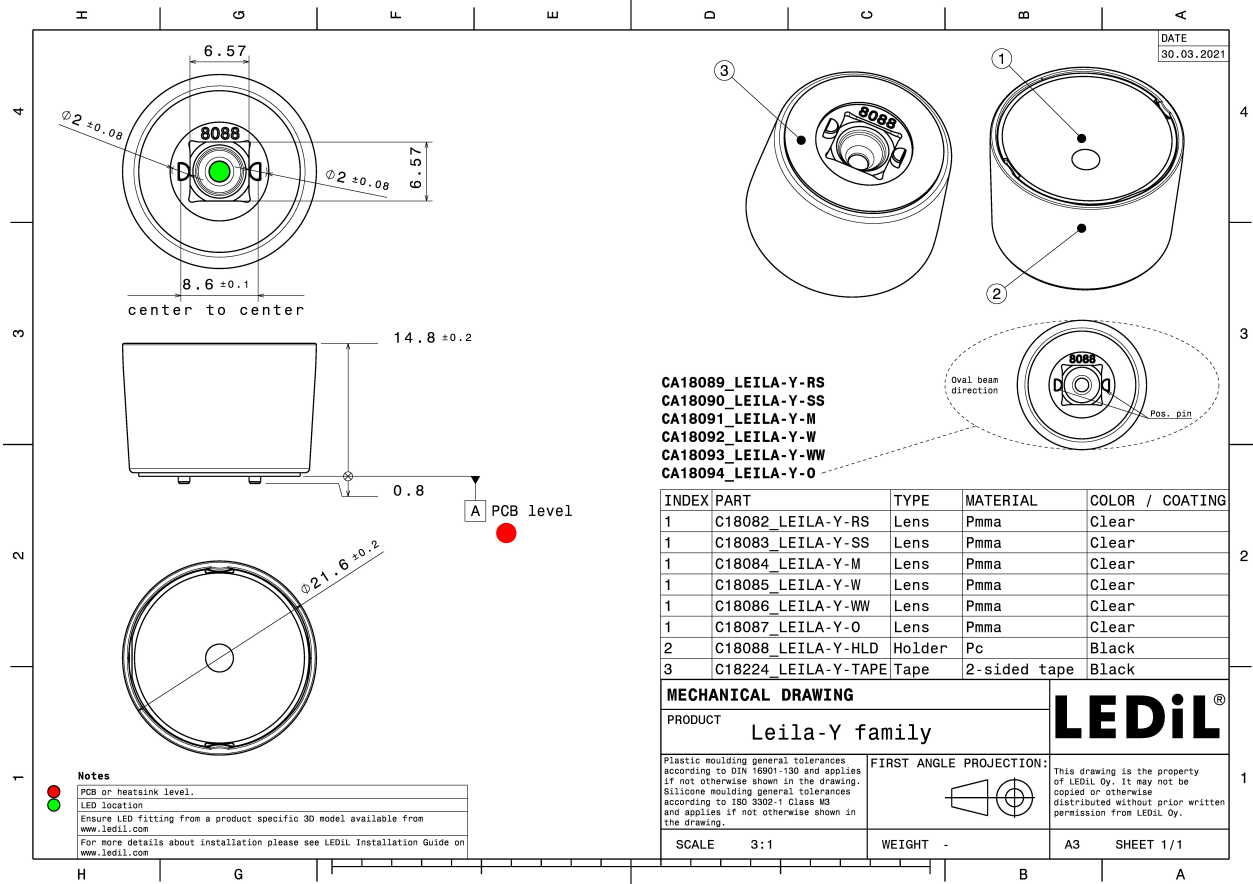
### MATERIALS:

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

### ORDERING INFORMATION:


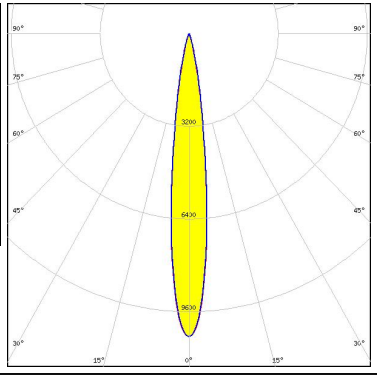

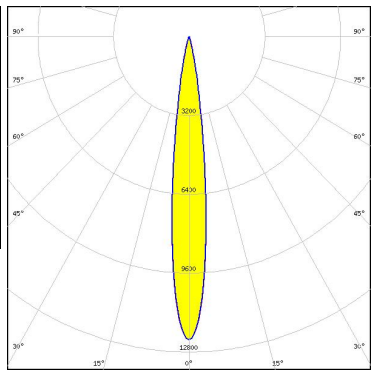

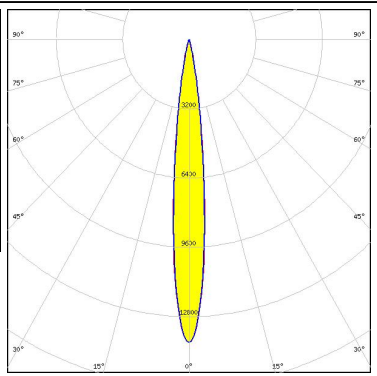

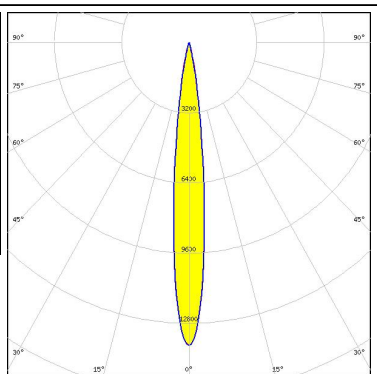
Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18090_LEILA-Y-SS » Box size: 476 x 273 x 197 mm	1800	180	180	7.2



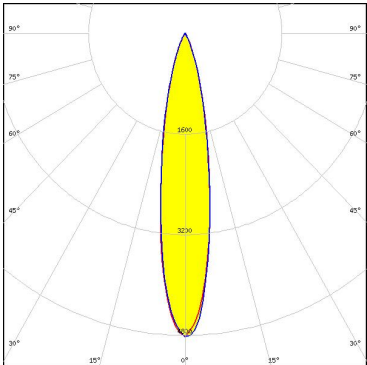
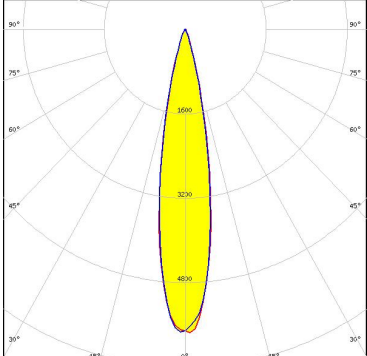
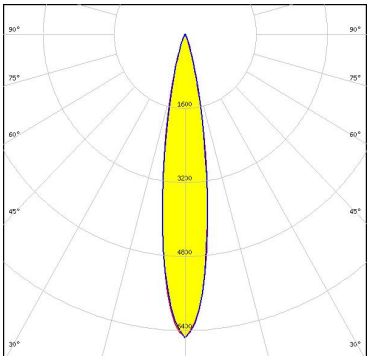
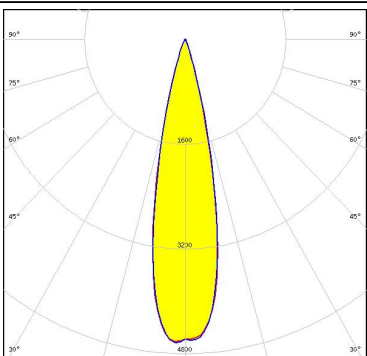


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

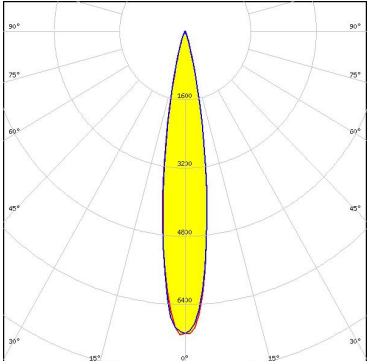
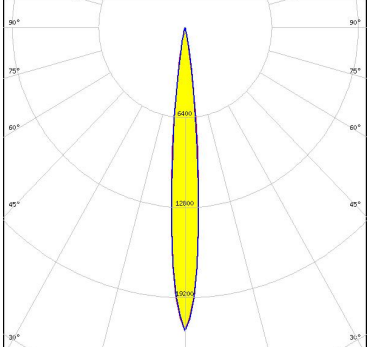
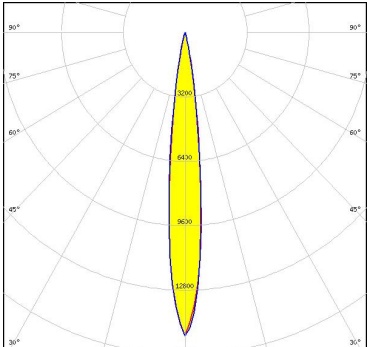
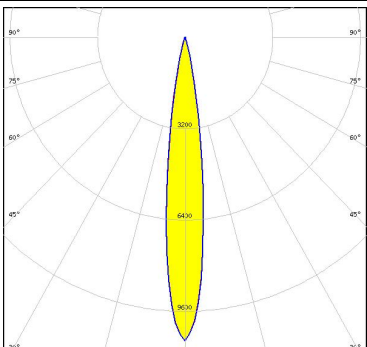
#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LEDs</p> <p>LED XHP35 HI            FWHM / FWTM 14.0° / 27.0°            Efficiency 83 %            Peak intensity 10.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> LEDs</p> <p>LED XP-G4            FWHM / FWTM 13.0° / 25.0°            Efficiency 85 %            Peak intensity 12.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW719AC            FWHM / FWTM 12.0° / 24.0°            Efficiency 85 %            Peak intensity 14 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 12.0° / 24.0°            Efficiency 84 %            Peak intensity 13.8 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 5050 Round LES</p> <p>FWHM / FWTM 19.0° / 42.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 4.8 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 XHP35 HD</p> <p>FWHM / FWTM 20.0° / 36.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 5.8 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 XHP35.2 HI</p> <p>FWHM / FWTM 18.0° / 34.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 6.6 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-L RGBW (XMLDCL HD)</p> <p>FWHM / FWTM 24.0° / 38.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 4.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>	

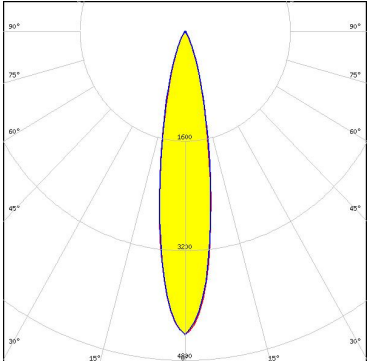
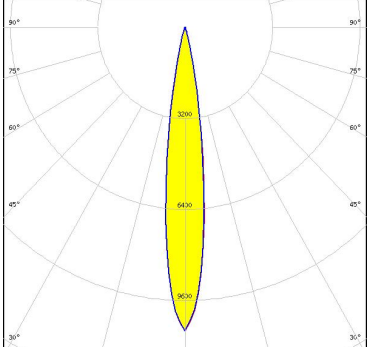
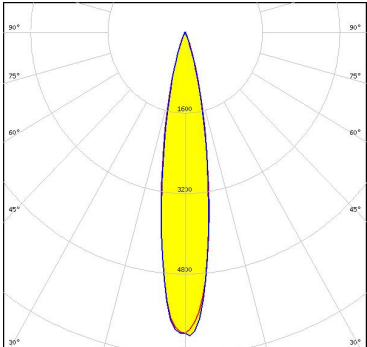
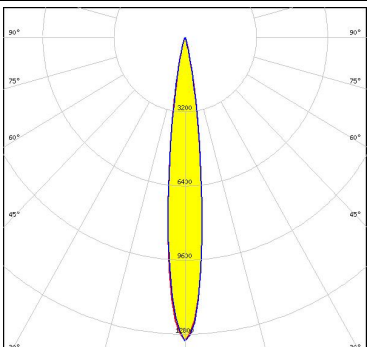
#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LEDs</p> <p>LED XM-L3            FWHM / FWTM 17.0° / 31.0°            Efficiency 80 %            Peak intensity 7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> LEDs</p> <p>LED XP-E2            FWHM / FWTM 11.0° / 20.0°            Efficiency 91 %            Peak intensity 21 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> LEDs</p> <p>LED XP-G2            FWHM / FWTM 13.0° / 24.0°            Efficiency 90 %            Peak intensity 15 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> LEDs</p> <p>LED XP-G3            FWHM / FWTM 14.0° / 27.0°            Efficiency 84 %            Peak intensity 10 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	


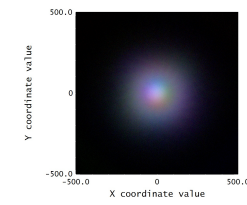
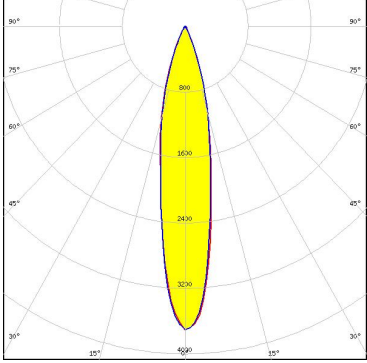

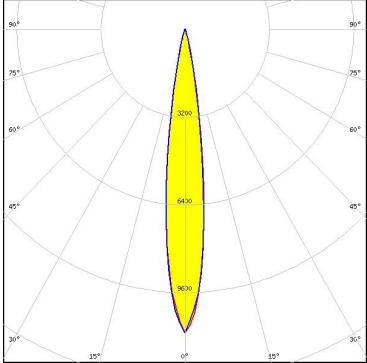

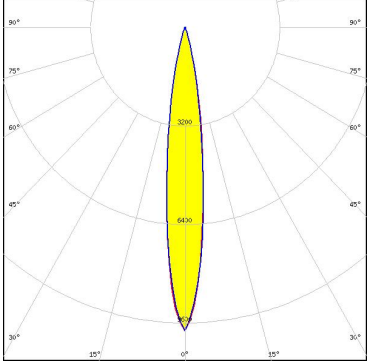

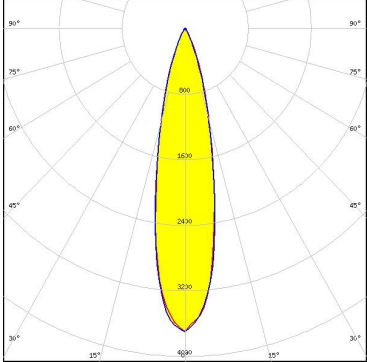
#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LEDs</p> <p>LED: XP-L2</p> <p>FWHM / FWTM: 18.0° / 34.0°</p> <p>Efficiency: 81 %</p> <p>Peak intensity: 6 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 5050 Round LES</p> <p>FWHM / FWTM: 20.0° / 43.0°</p> <p>Efficiency: 82 %</p> <p>Peak intensity: 4.5 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 5050 Round LES</p> <p>FWHM / FWTM: 20.0° / 42.0°</p> <p>Efficiency: 82 %</p> <p>Peak intensity: 4.5 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 5050 Square LES</p> <p>FWHM / FWTM: 20.0° / 43.0°</p> <p>Efficiency: 81 %</p> <p>Peak intensity: 4.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM 20.0° / 44.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 4.4 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 HL2X</p> <p>FWHM / FWTM 14.0° / 28.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 10.7 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 MZ</p> <p>FWHM / FWTM 18.0° / 36.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 6 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 13.0° / 25.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 13 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

### OPTICAL RESULTS (SIMULATED):

 LED: NCSxE17A FWHM / FWTM: 20.0° / 46.0° Efficiency: 75 % Peak intensity: 3.7 cd/lm LEDs/each optic: 4 Light colour: RGBW Required components:	 Detector Image: Illuminance Zemax OpticStudio 21.3 Zemax OpticStudio 21.3 Zemax OpticStudio 21.3 Zemax OpticStudio 21.3	
 LED: NVSW219F FWHM / FWTM: 14.0° / 27.0° Efficiency: 88 % Peak intensity: 11 cd/lm LEDs/each optic: 1 Light colour: White Required components:		
 LED: NVSxE21A FWHM / FWTM: 14.0° / 30.0° Efficiency: 84 % Peak intensity: 9.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:		
 Opto Semiconductors LED: Duris S8 FWHM / FWTM: 23.0° / 47.0° Efficiency: 80 % Peak intensity: 3.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:		

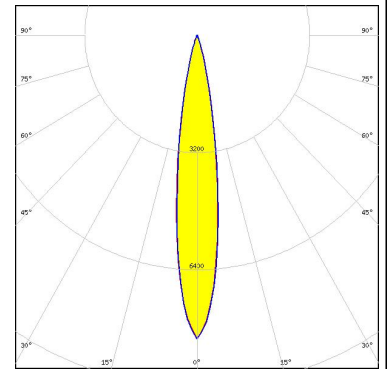


#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

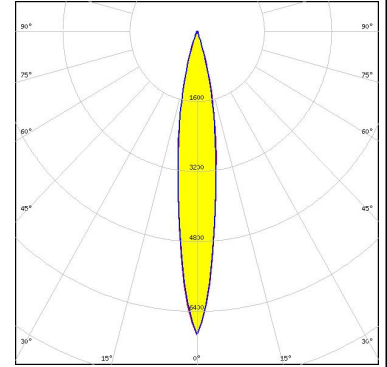
LED OSCONIQ P 3737 (3W version)  
 FWHM / FWTM 16.0° / 32.0°  
 Efficiency 86 %  
 Peak intensity 8.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

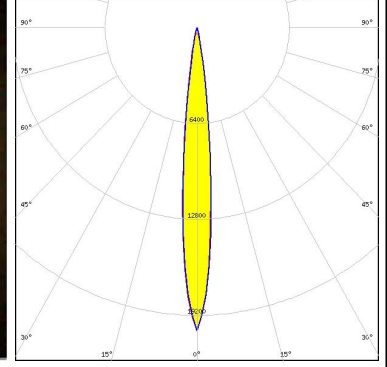
LED OSLON PURE 1010  
 FWHM / FWTM 15.0° / 34.0°  
 Efficiency 79 %  
 Peak intensity 6.9 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:



##### OSRAM

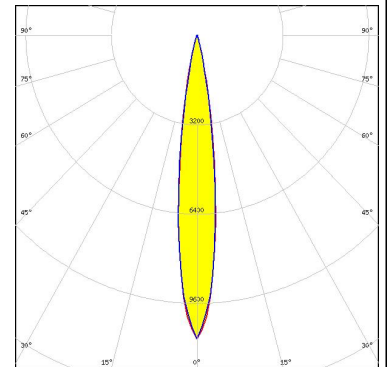
Opto Semiconductors

LED OSLON SSL 150  
 FWHM / FWTM 11.0° / 21.0°  
 Efficiency 91 %  
 Peak intensity 20 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### SAMSUNG

LED LH351B  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 86 %  
 Peak intensity 11 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

