

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 ⓘ

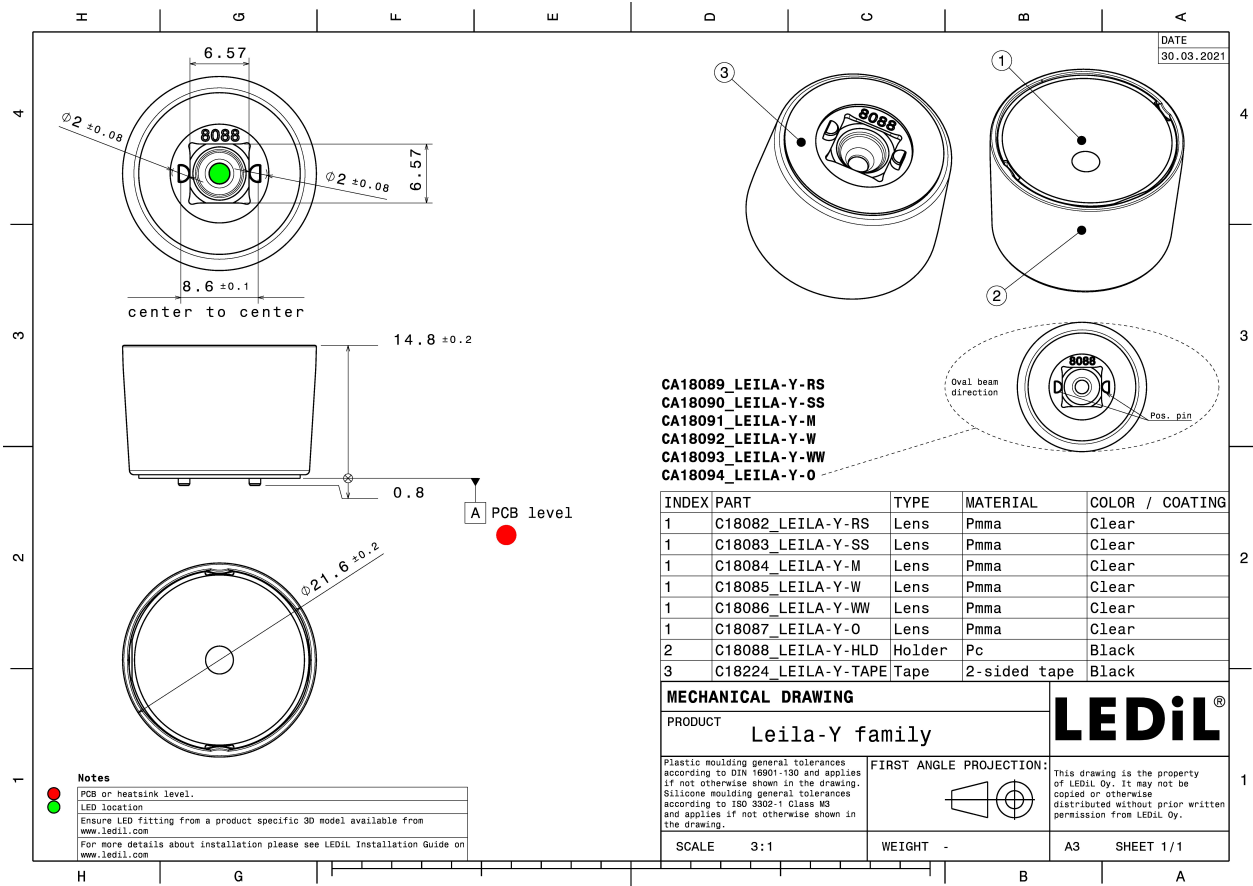
MATERIALS:

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:


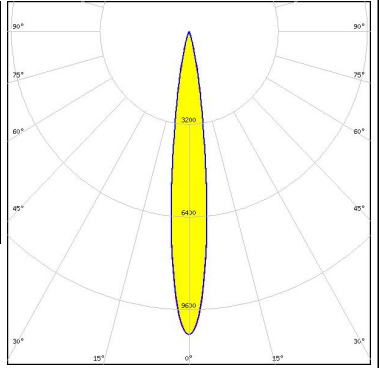
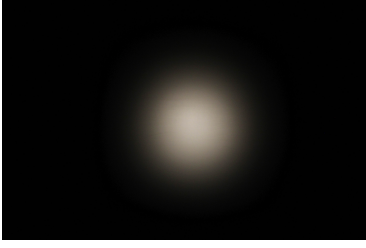
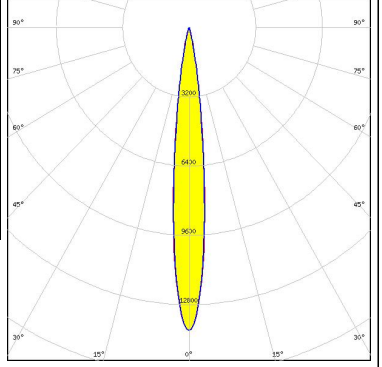
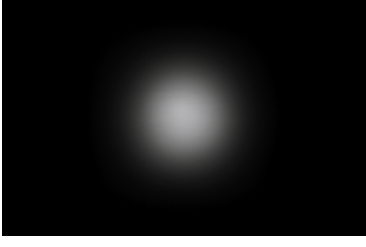
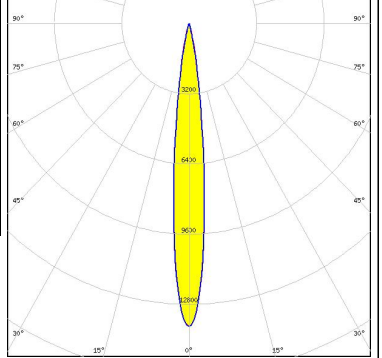
Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18090_LEILA-Y-SS » Box size: 476 x 273 x 197 mm	1800	180	180	7.2





See also our general installation guide: www.ledil.com/installation_guide

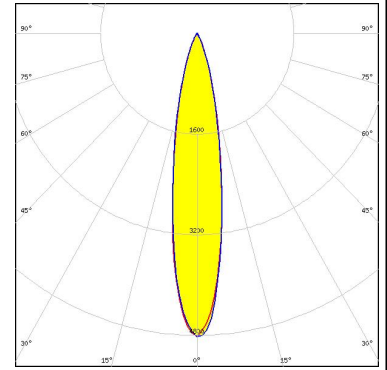
OPTICAL RESULTS (MEASURED):

<p>CREE LED</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>NICHIA</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>OSRAM <small>Opto Semiconductors</small></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>		

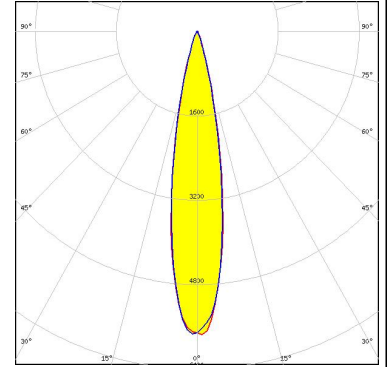
OPTICAL RESULTS (SIMULATED):



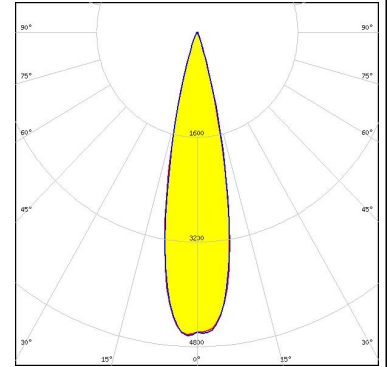
LED J Series 5050 Round LES
 FWHM / FWTM 19.0° / 42.0°
 Efficiency 82 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



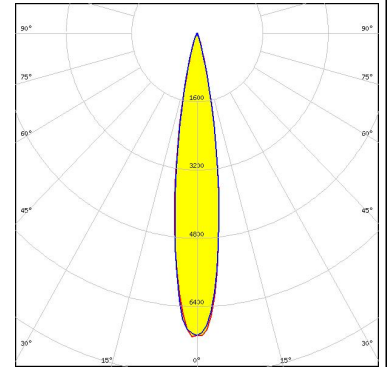
LED XHP35 HD
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 83 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 24.0° / 38.0°
 Efficiency 83 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour RGBW
 Required components:



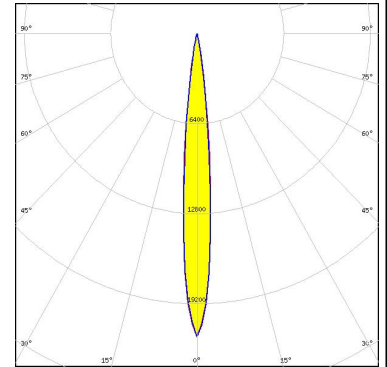
LED XM-L3
 FWHM / FWTM 17.0° / 31.0°
 Efficiency 80 %
 Peak intensity 7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

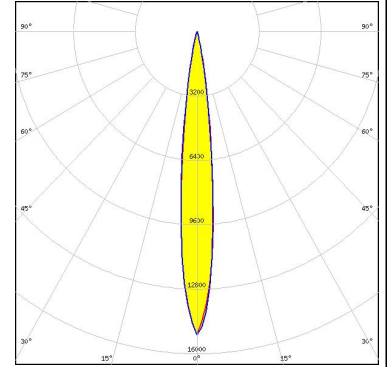
CREE LED

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:



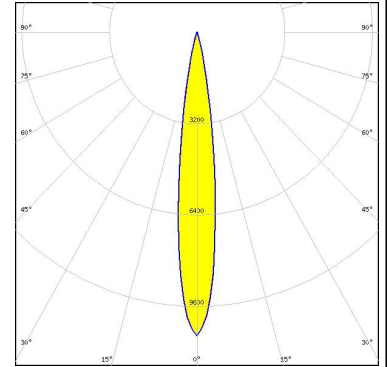
CREE LED

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:



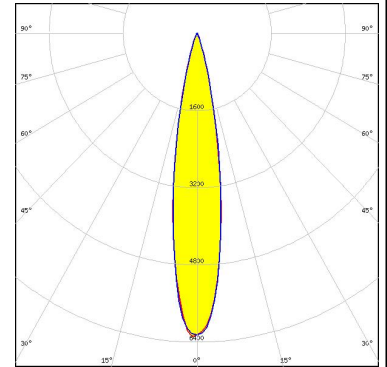
CREE LED

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:

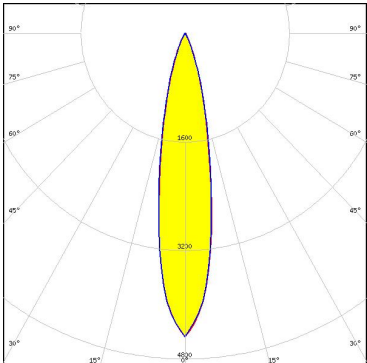
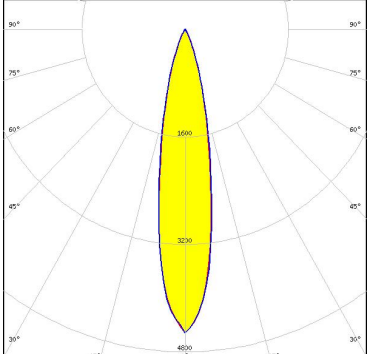
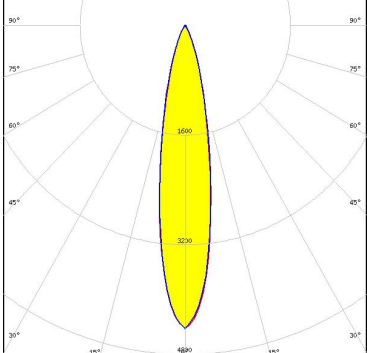
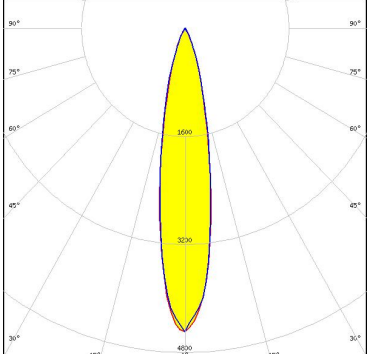


CREE LED

LED XP-L2
 FWHM / FWTM 18.0° / 34.0°
 Efficiency 81 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



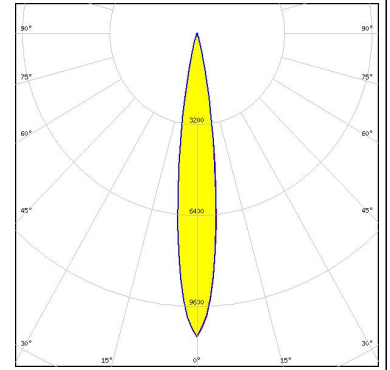
OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</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>LUMILEDS</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>LUMILEDS</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>LUMILEDS</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):

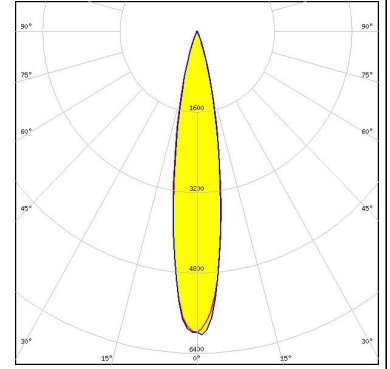
LUMILEDS

LED LUXEON HL2X
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 87 %
 Peak intensity 10.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



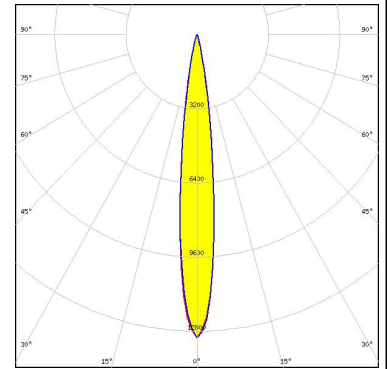
LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 18.0° / 36.0°
 Efficiency 84 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



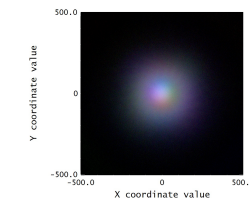
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 13.0° / 25.0°
 Efficiency 88 %
 Peak intensity 13 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

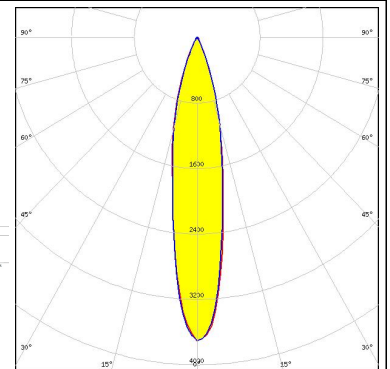


NICHIA

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
 Zemax OpticStudio 21.1



OPTICAL RESULTS (SIMULATED):

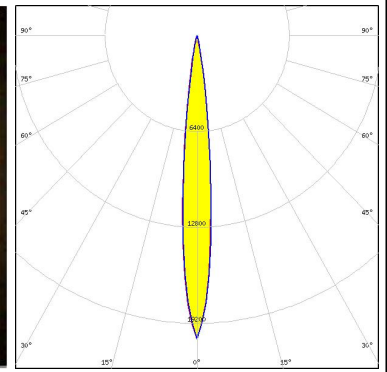
<p>NICHIA</p> <p>LED: NVSW219F FWHM / FWTM: 14.0° / 27.0° Efficiency: 88 % Peak intensity: 11 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: Duris S8 FWHM / FWTM: 23.0° / 47.0° Efficiency: 80 % Peak intensity: 3.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>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:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSOLON 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:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

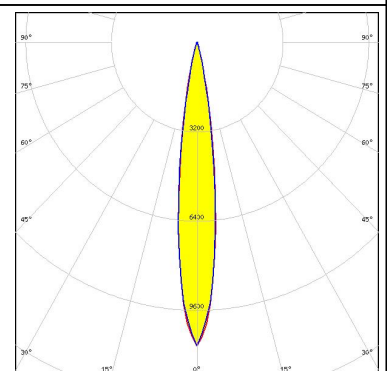
Opto Semiconductors

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:



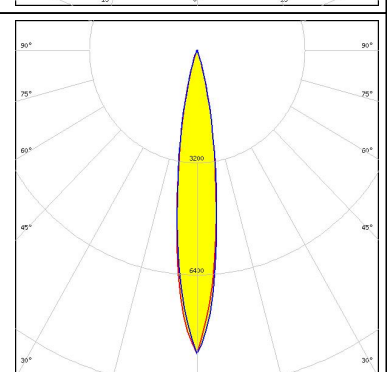
SAMSUNG

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



SEOUL SEMICONDUCTOR

LED Z5M4
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 87 %
 Peak intensity 8.7 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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