

SURI-RS

~6° real spot beam with holder

SPECIFICATION:

Dimensions	Ø 37.8 mm
Height	23.9 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
C16197_SURI-RS	Single lens	PMMA	clear	
C16192_GABRIELLA-MIDI-HLD	Holder	PC	black	

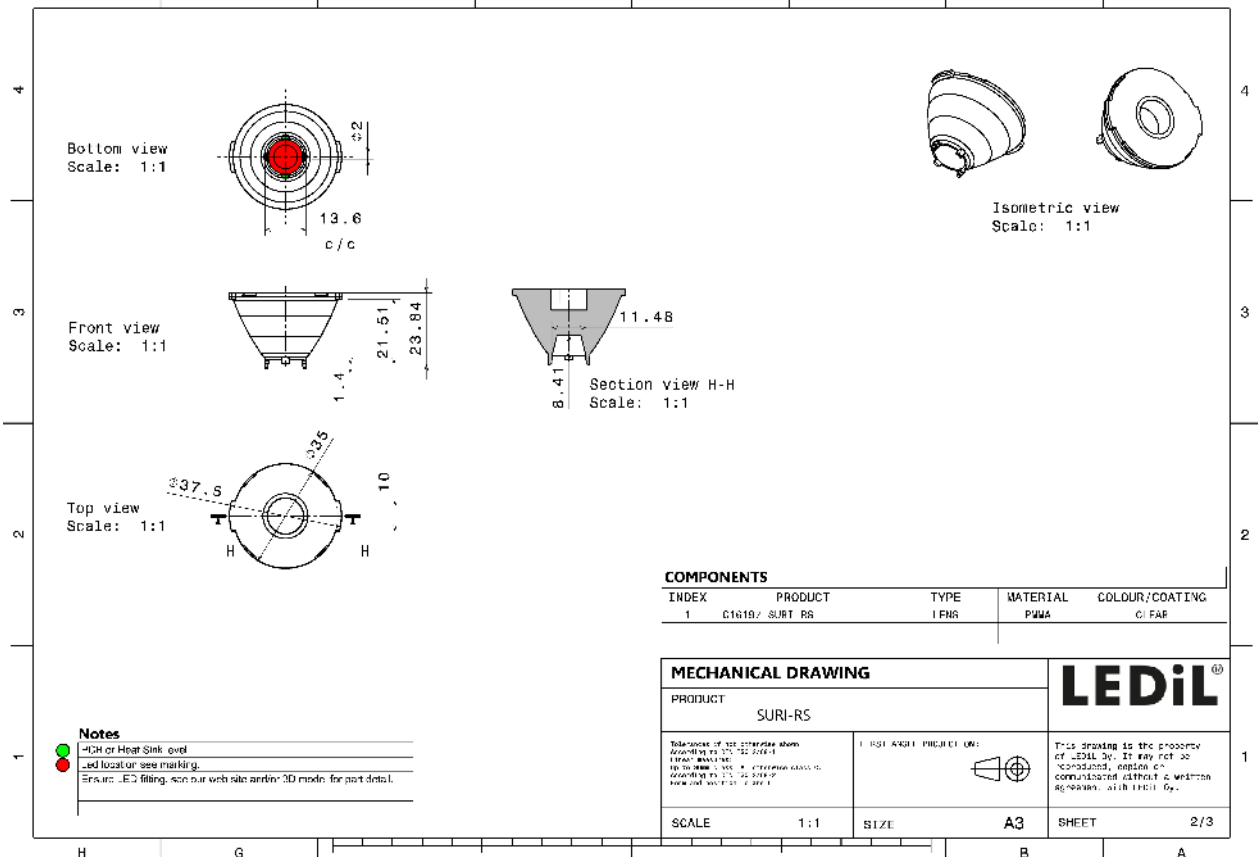
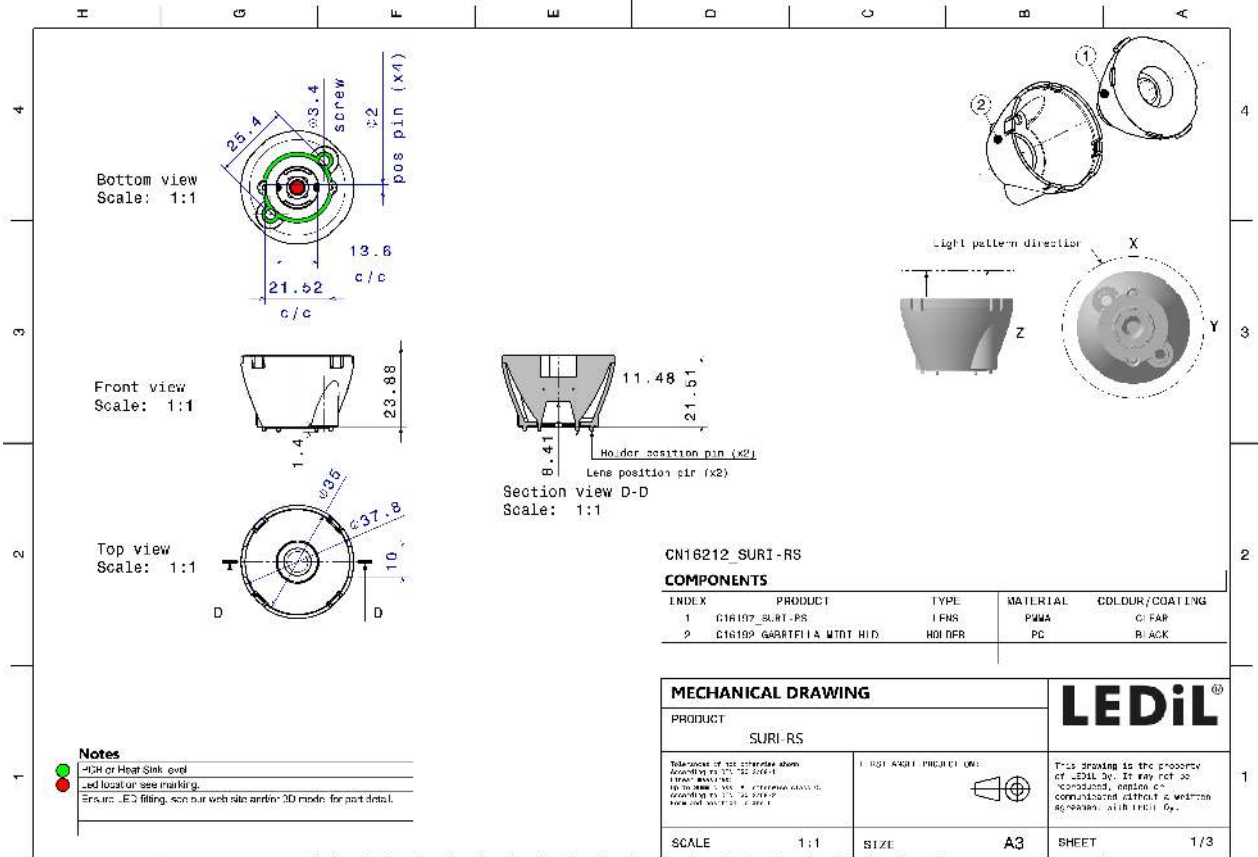
ORDERING INFORMATION:

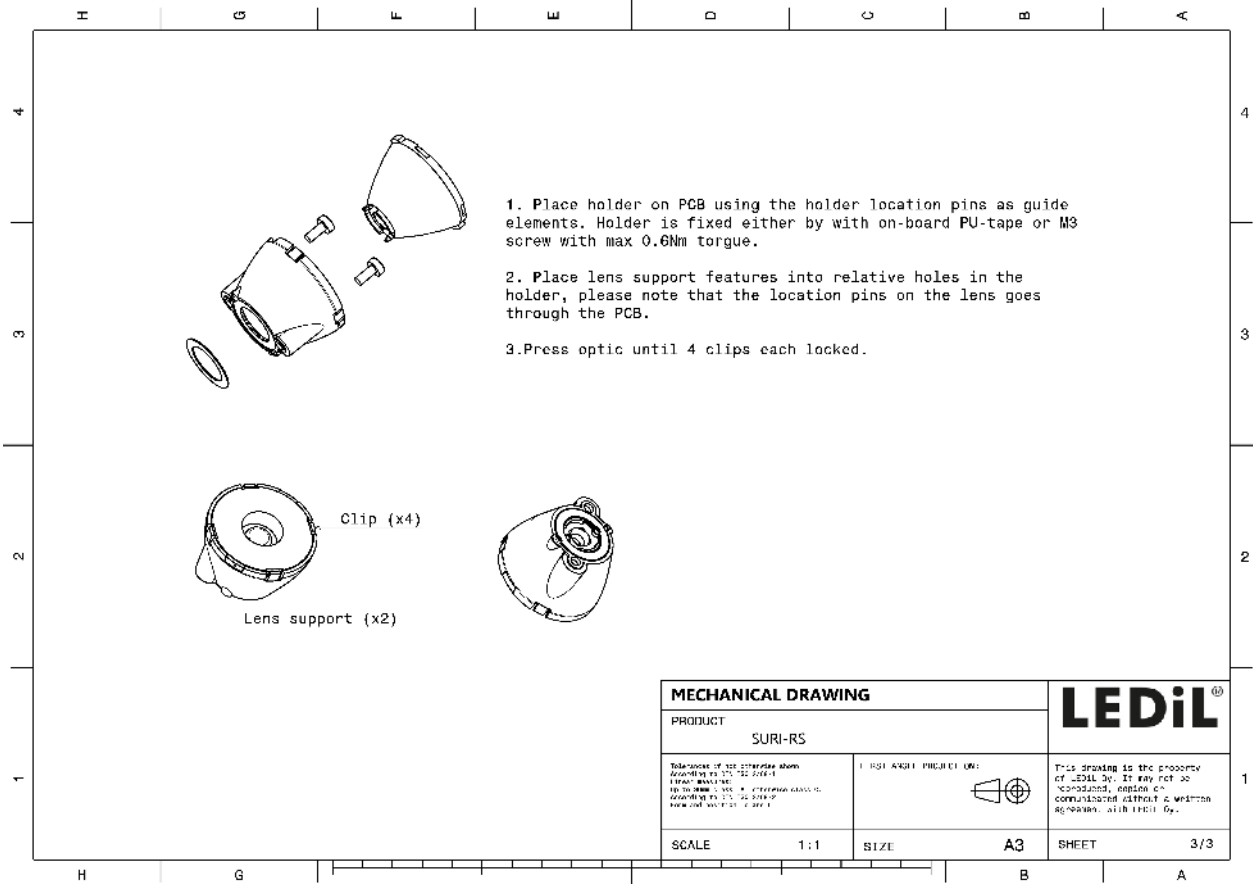
Quantities for one set:

Single lens	1
Holder	1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
C16197_SURI-RS	Single lens	500	100	50	7.4
» Box size: 476 x 273 x 292 mm					
C16192_GABRIELLA-MIDI-HLD	Holder	500	100	50	3.6
» Box size: 476 x 273 x 292 mm					



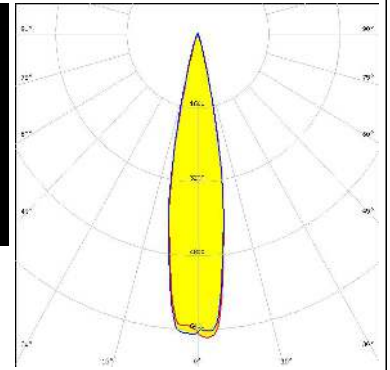


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

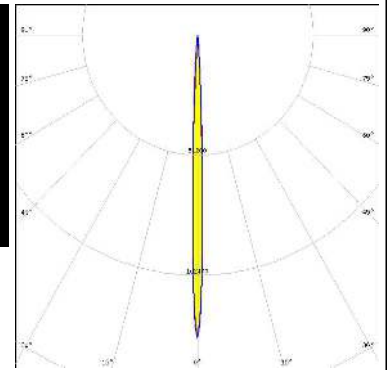
CREE LED

LED XHP70.2
 FWHM / FWTM 20.0° / 32.0°
 Efficiency 88 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



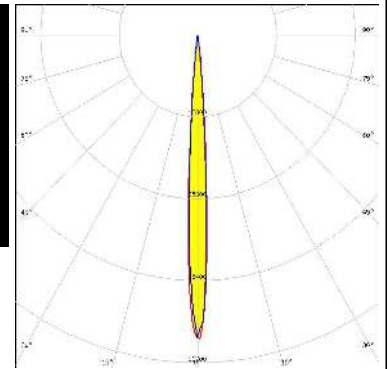
CREE LED

LED XQ-E HI
 FWHM / FWTM 4.0° / 8.0°
 Efficiency 91 %
 Peak intensity 129.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



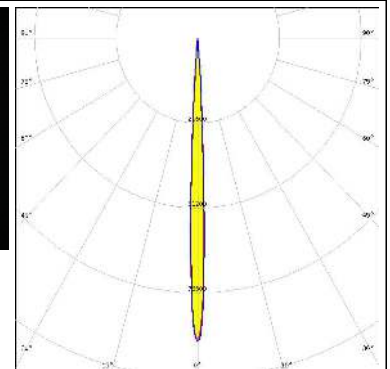
CREE LED

LED XT-E
 FWHM / FWTM 7.0° / 12.0°
 Efficiency 86 %
 Peak intensity 47.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


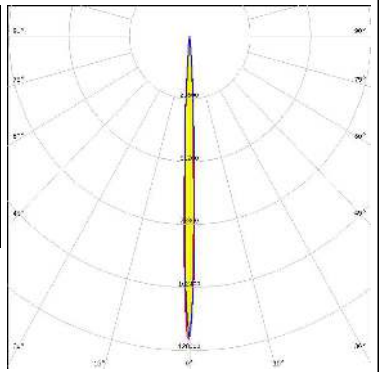
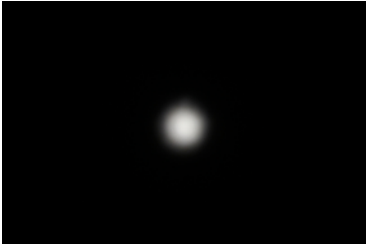
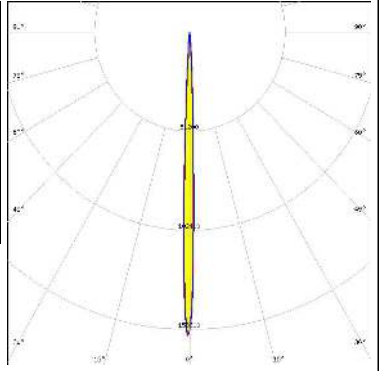

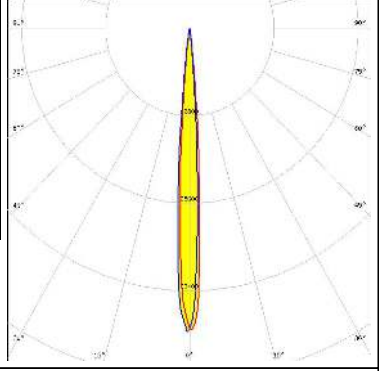

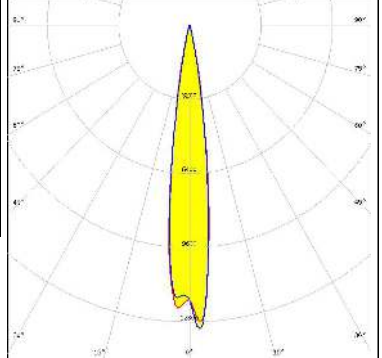


LUMILEDS

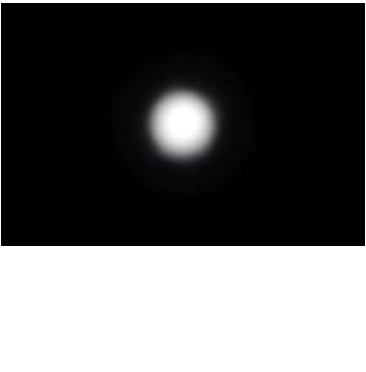
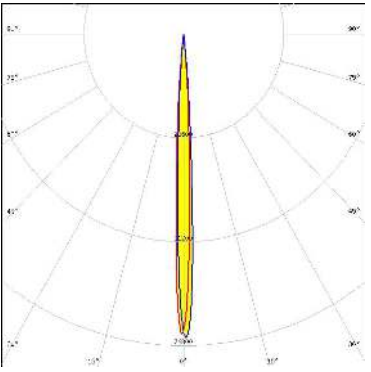

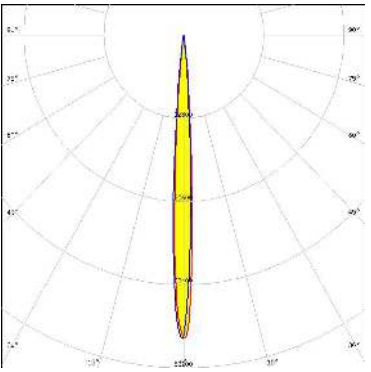

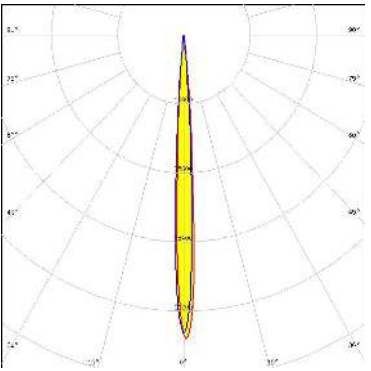

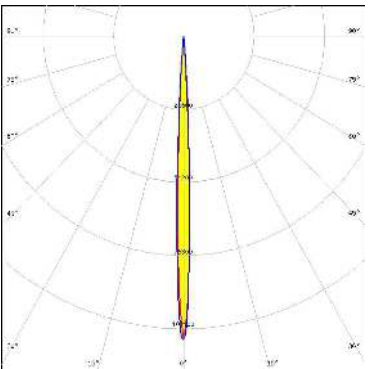
LED LUXEON C
 FWHM / FWTM 5.0° / 9.0°
 Efficiency 86 %
 Peak intensity 91.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CZ</p> <p>FWHM / FWTM 4.0° / 9.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 124 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Z</p> <p>FWHM / FWTM 4.0° / 7.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 158 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219F</p> <p>FWHM / FWTM 7.0° / 13.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 46 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S8</p> <p>FWHM / FWTM 14.0° / 24.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 13.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

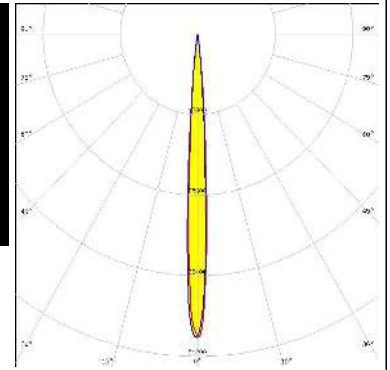
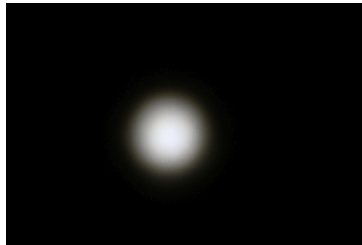
OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED KW CULPM1.TG</p> <p>FWHM / FWTM 6.0° / 11.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 75.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (2W version)</p> <p>FWHM / FWTM 7.0° / 13.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 47.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 6.0° / 12.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 56 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 5.0° / 9.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 106 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

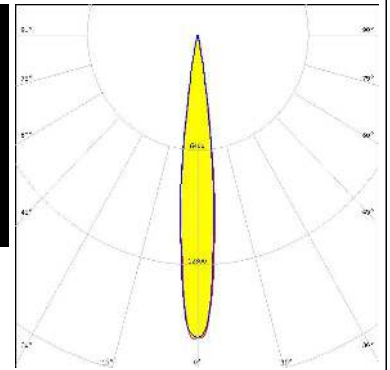
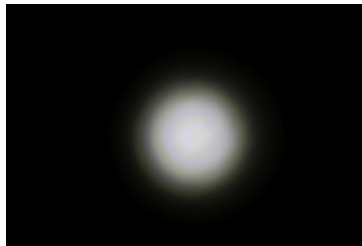
SAMSUNG

LED LH181B
 FWHM / FWTM 7.0° / 13.0°
 Efficiency 91 %
 Peak intensity 48.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

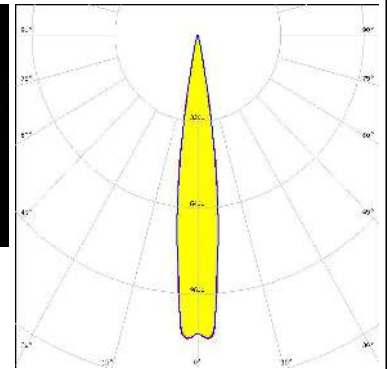


SAMSUNG

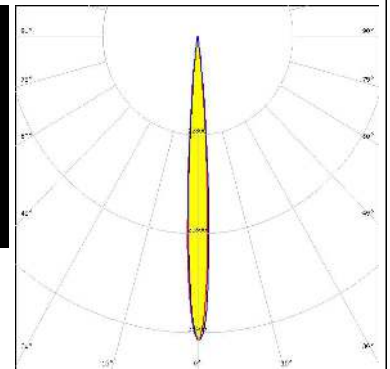
LED LH508A
 FWHM / FWTM 13.0° / 21.0°
 Efficiency 91 %
 Peak intensity 16.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




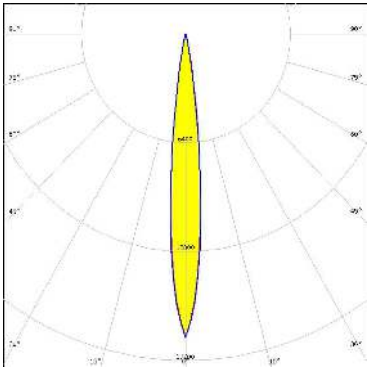

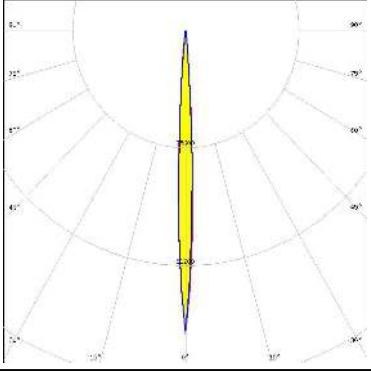

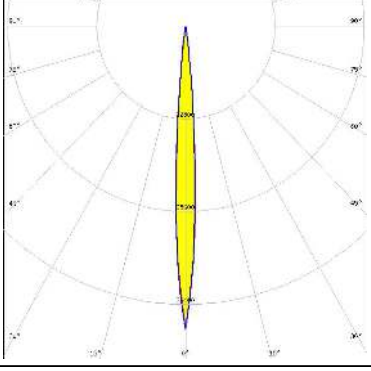

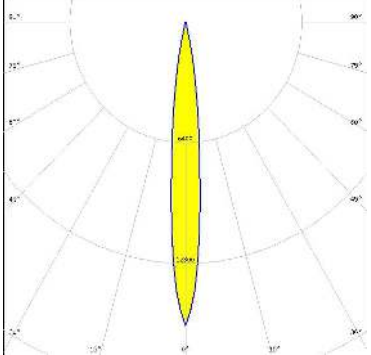
SEOUL SEMICONDUCTOR
 LED WICOP 5050
 FWHM / FWTM 15.0° / 24.0°
 Efficiency 86 %
 Peak intensity 11.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR
 LED Z5M3
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 90 %
 Peak intensity 39.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



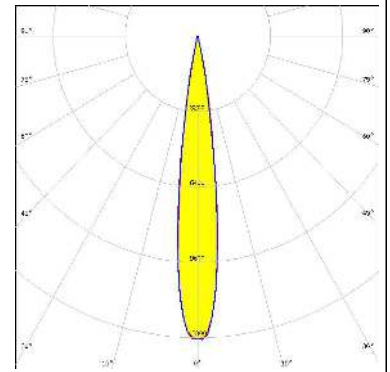
OPTICAL RESULTS (SIMULATED):

<p> bridgelux.</p> <p>LED Bridgelux SMD 5050</p> <p>FWHM / FWTM 12.0° / 22.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 17.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> CREE LED</p> <p>LED XD16</p> <p>FWHM / FWTM 6.0° / 11.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 66 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> CREE LED</p> <p>LED XHP35 HI</p> <p>FWHM / FWTM 8.0° / 14.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 41.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> CREE LED</p> <p>LED XHP35.2 HD</p> <p>FWHM / FWTM 12.0° / 22.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 16.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

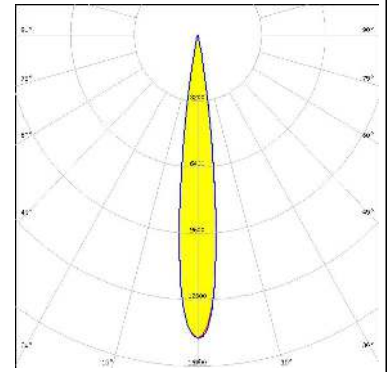
CREE → LED

LED XHP50.2
 FWHM / FWTM 14.0° / 24.0°
 Efficiency 89 %
 Peak intensity 13 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



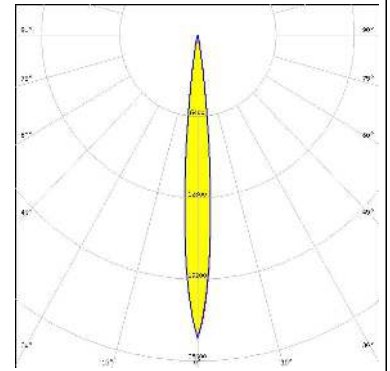
CREE → LED

LED XHP50.3 HD
 FWHM / FWTM 14.0° / 22.0°
 Efficiency 89 %
 Peak intensity 14.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



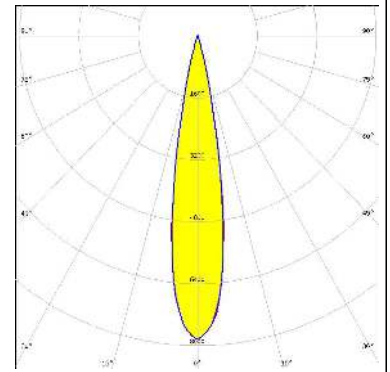
CREE → LED

LED XHP50.3 HI
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 91 %
 Peak intensity 23.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


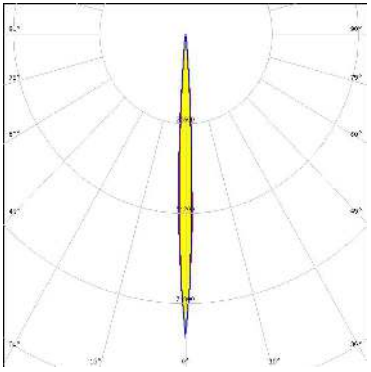

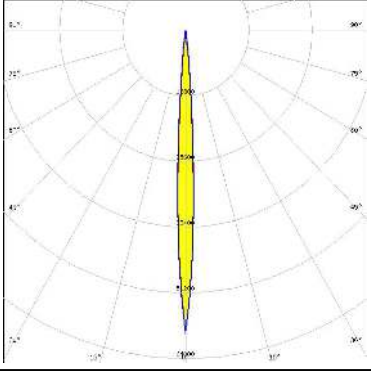

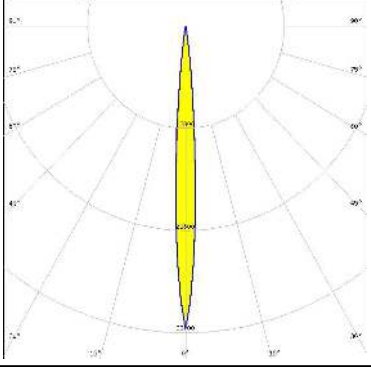

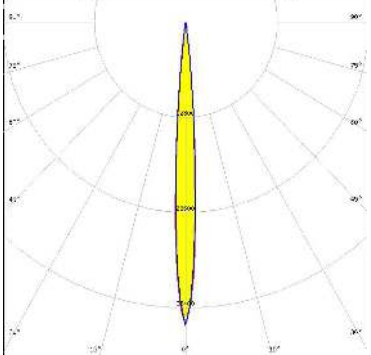


CREE → LED

LED XHP70.3 HD
 FWHM / FWTM 18.0° / 30.0°
 Efficiency 88 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



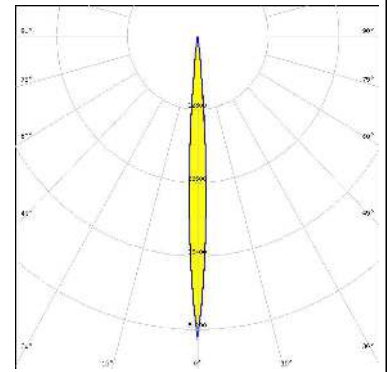
OPTICAL RESULTS (SIMULATED):

	<p>LED: XP-E2 FWHM / FWTM: 5.0° / 10.0° Efficiency: 91 % Peak intensity: 85 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-G2 FWHM / FWTM: 6.0° / 12.0° Efficiency: 91 % Peak intensity: 58 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-G2 HE FWHM / FWTM: 8.0° / 16.0° Efficiency: 91 % Peak intensity: 38 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-G3 FWHM / FWTM: 7.7° / 14.0° Efficiency: 90 % Peak intensity: 40.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

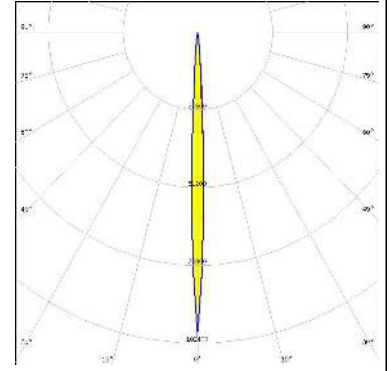
CREE → LED

LED XP-L HI
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 91 %
 Peak intensity 53 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



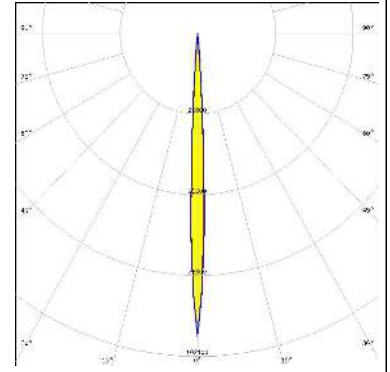
CREE → LED

LED XP-P
 FWHM / FWTM 4.0° / 10.0°
 Efficiency 94 %
 Peak intensity 100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



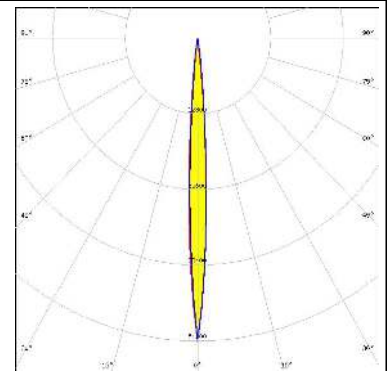
CREE → LED

LED XQ-E HD
 FWHM / FWTM 5.2° / 9.5°
 Efficiency 92 %
 Peak intensity 96.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


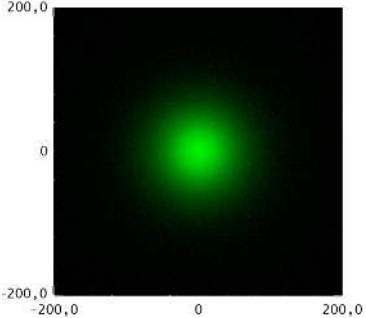
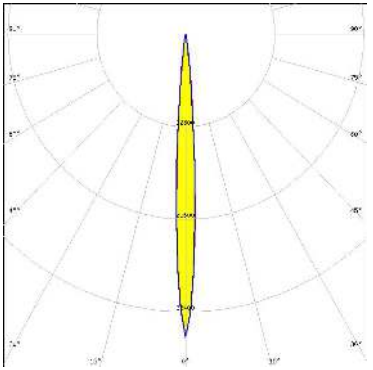

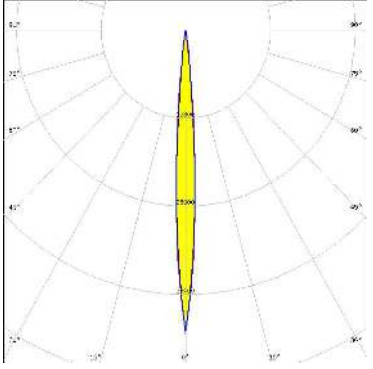

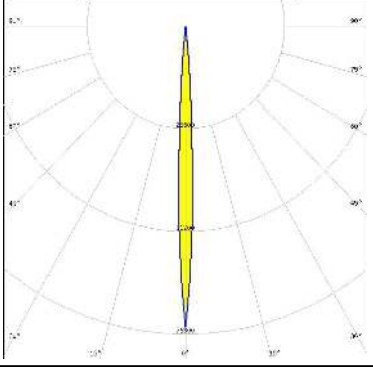

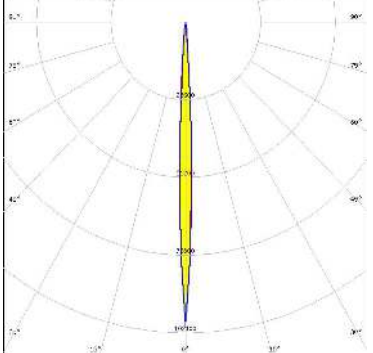


LUMILEDS

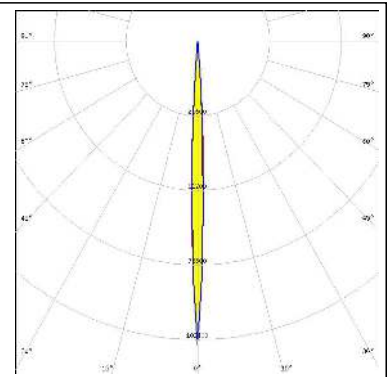
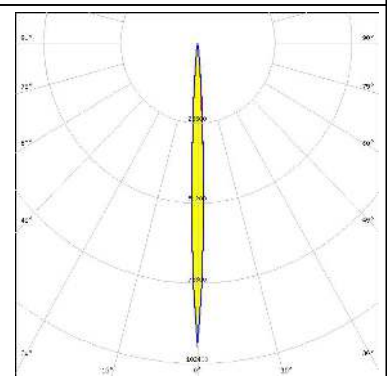
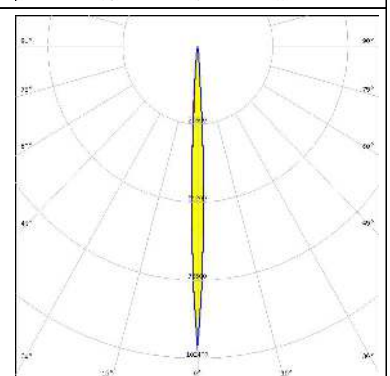
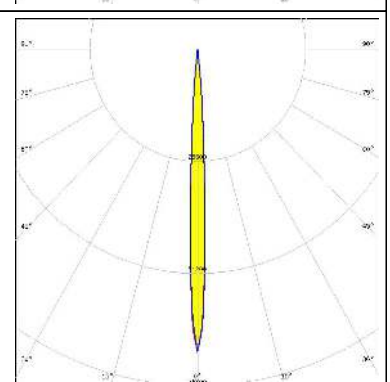
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 90 %
 Peak intensity 51.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



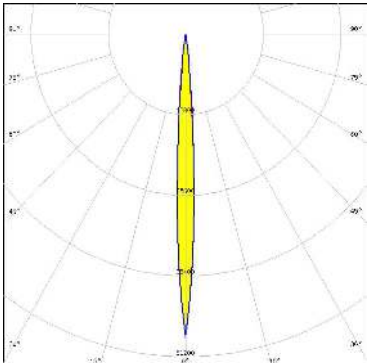
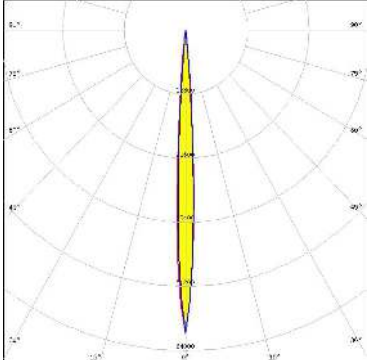
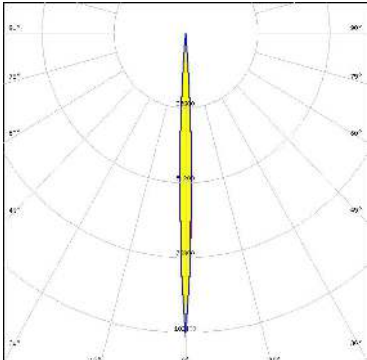
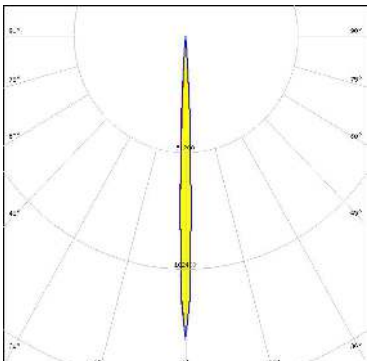
OPTICAL RESULTS (SIMULATED):

	<p>LED LUXEON CZ</p> <p>FWHM / FWTM 8.0° / 14.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 42 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Green</p> <p>Required components:</p>		
	<p>LED LUXEON HL2X</p> <p>FWHM / FWTM 8.0° / 14.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 44.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
	<p>LED LUXEON Rebel Plus</p> <p>FWHM / FWTM 6.0° / 10.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 75.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
	<p>LED LUXEON Rubix</p> <p>FWHM / FWTM 4.0° / 10.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 100.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Green</p> <p>Required components:</p>		

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON Rubix</p> <p>FWHM / FWTM 4.0° / 10.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 104.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Red</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON Rubix</p> <p>FWHM / FWTM 4.0° / 10.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 97.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON Rubix</p> <p>FWHM / FWTM 4.0° / 10.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 99.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Blue</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED NCSxE17A</p> <p>FWHM / FWTM 6.0° / 10.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 69.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

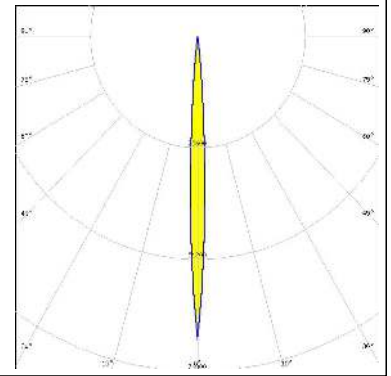
OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 6.0° / 14.0° Efficiency 88 % Peak intensity 48.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3 FWHM / FWTM 6.4° / 13.0° Efficiency 92 % Peak intensity 60.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSTAR Projection Compact (Kx.CSLNM1.xx) FWHM / FWTM 4.0° / 10.0° Efficiency 91 % Peak intensity 103.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSTAR Projection Compact (Kx.CSLNM1.xx) FWHM / FWTM 4.0° / 8.0° Efficiency 90 % Peak intensity 133.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LM101B
FWHM / FWTM	6.0° / 12.0°
Efficiency	90 %
Peak intensity	69.6 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.

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