

### 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	

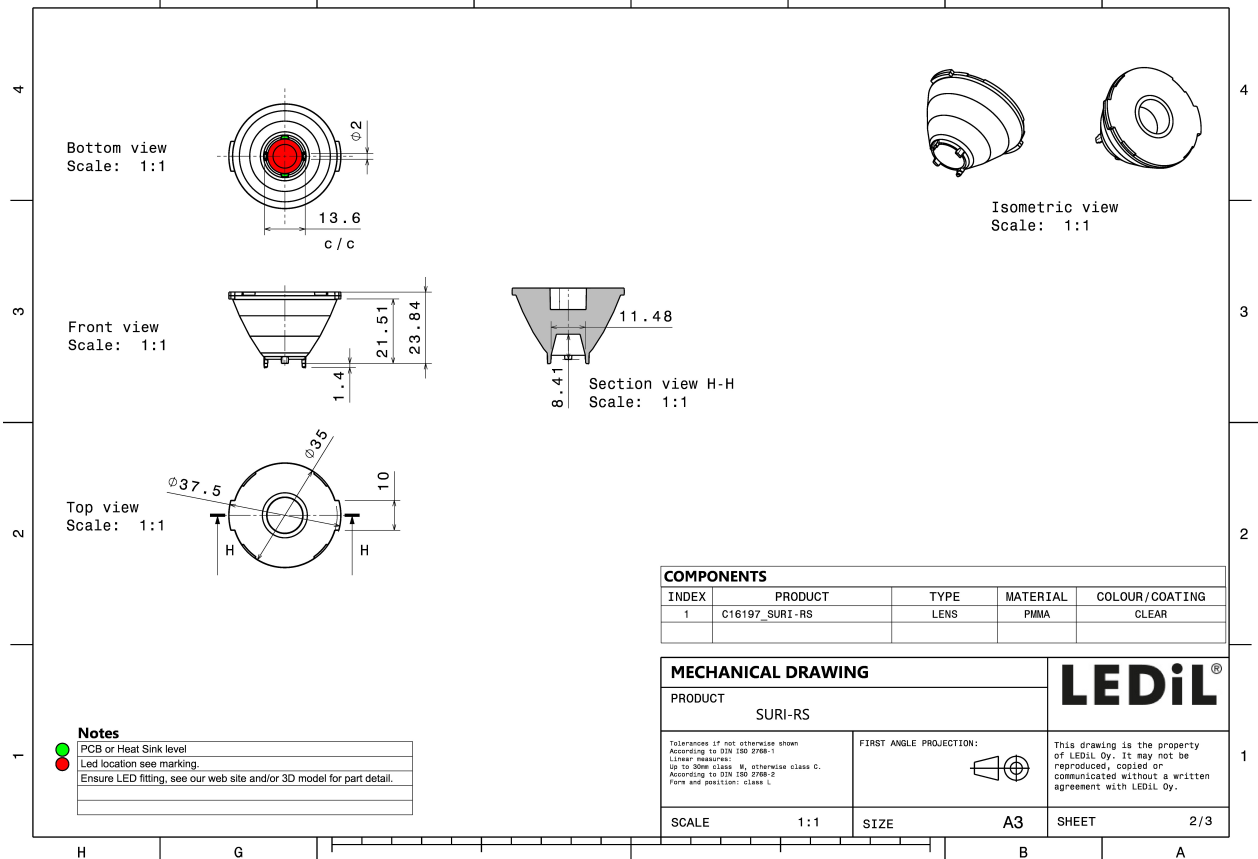
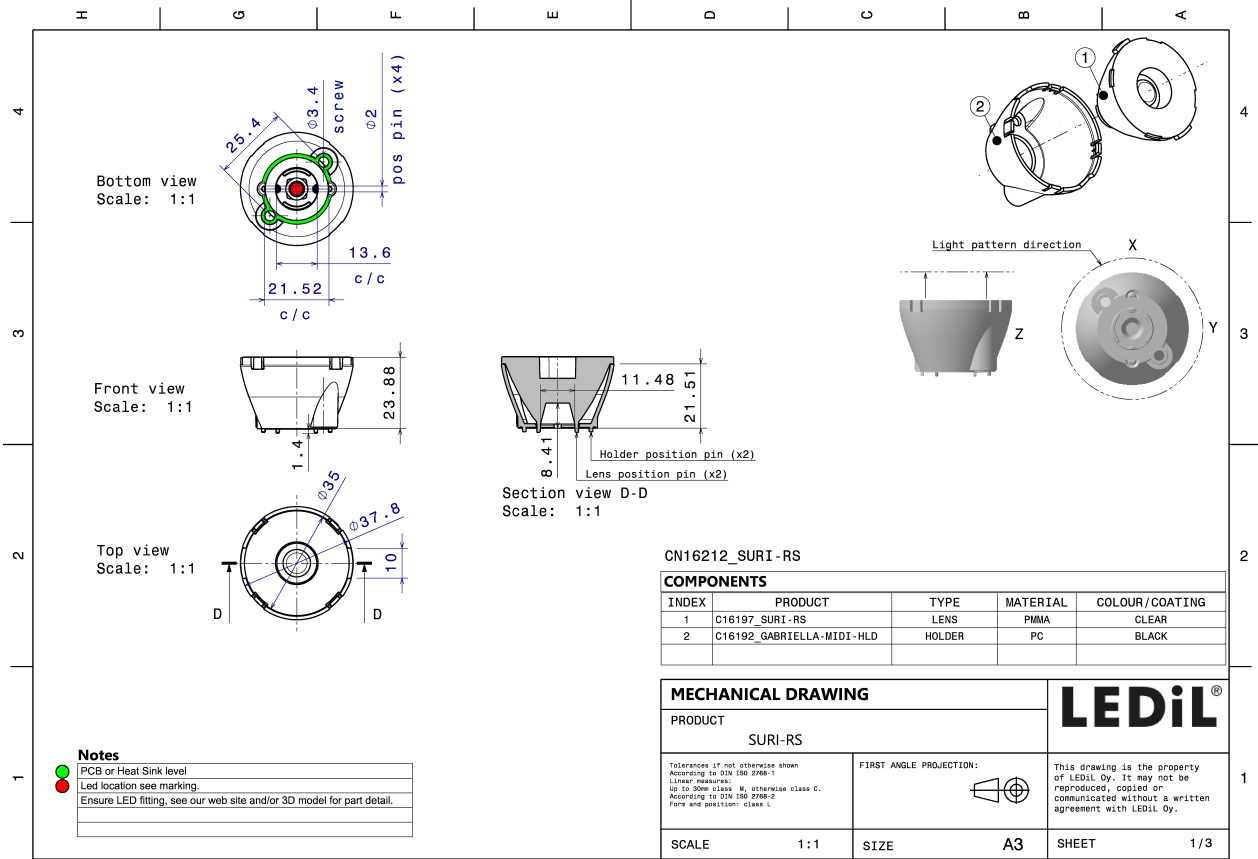
#### ORDERING INFORMATION:

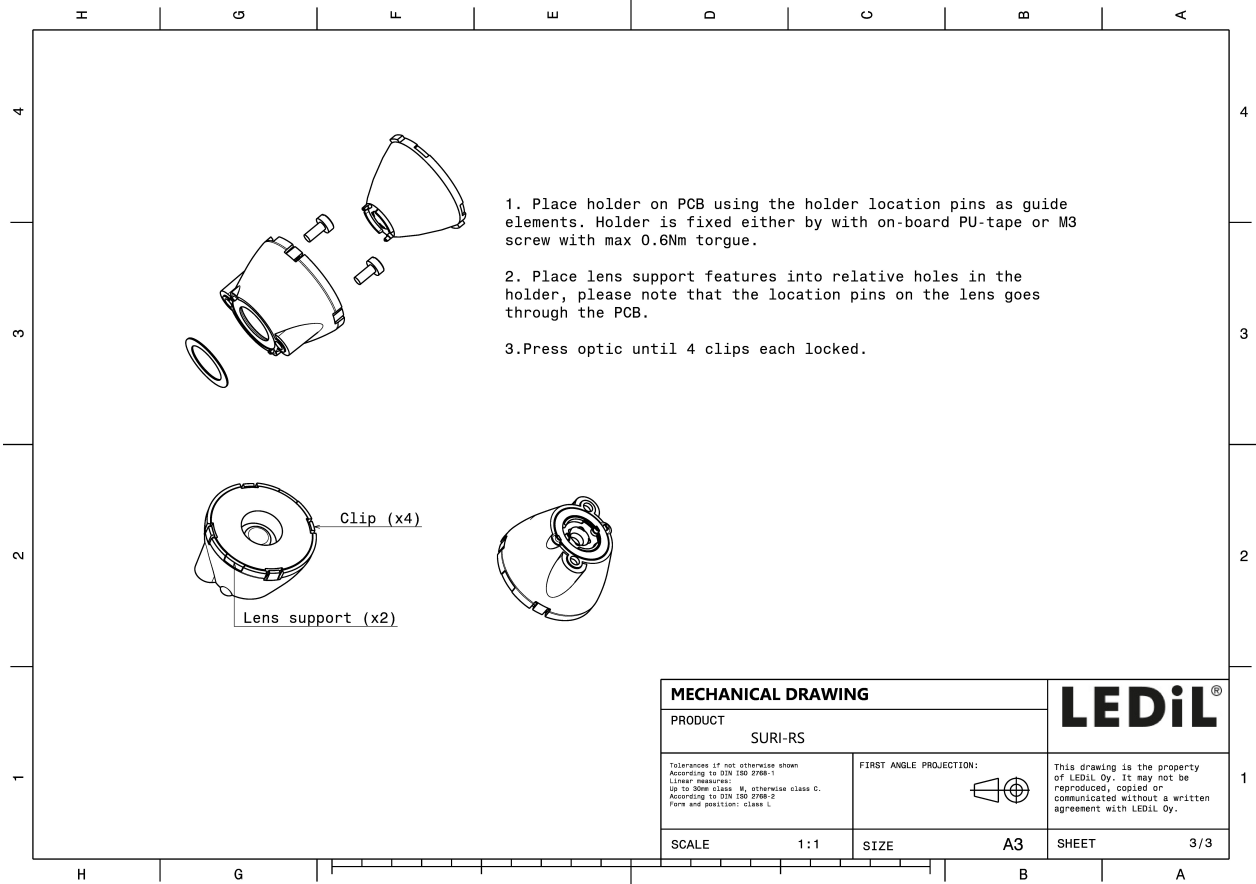
##### Quantities for one set:

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					





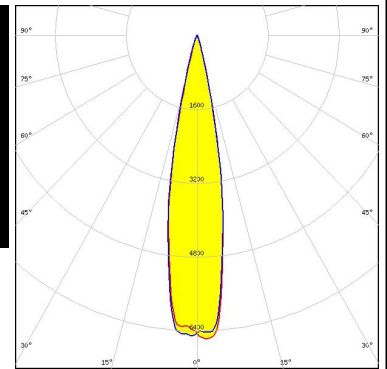
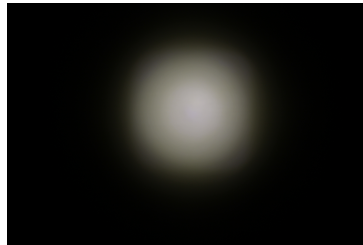
See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)



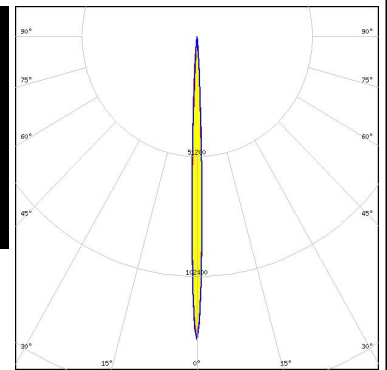
### OPTICAL RESULTS (MEASURED):



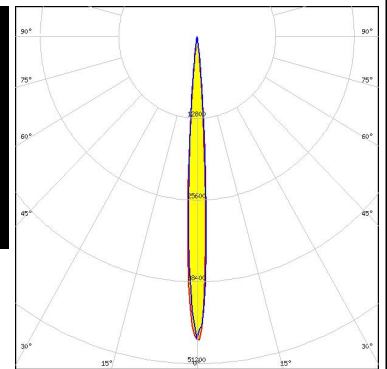
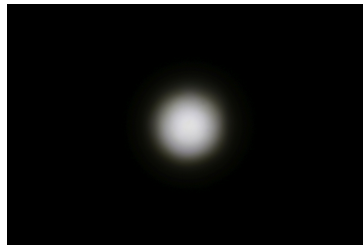
LED XHP70.2  
 FWHM / FWTM 20.0° / 32.0°  
 Efficiency 88 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



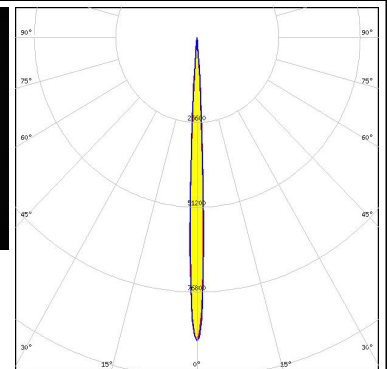
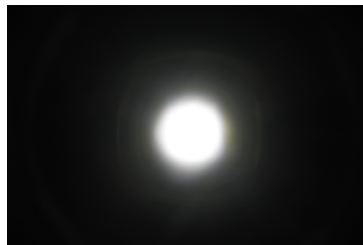
LED XQ-E HI  
 FWHM / FWTM 4.0° / 8.0°  
 Efficiency 91 %  
 Peak intensity 129.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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:



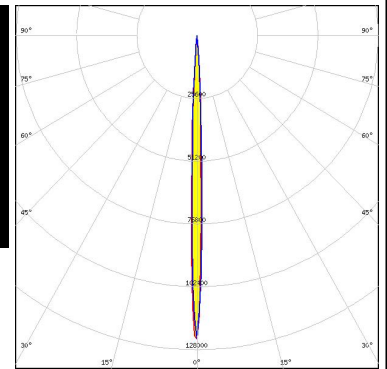
LED LUXEON C  
 FWHM / FWTM 5.0° / 9.0°  
 Efficiency 86 %  
 Peak intensity 91.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (MEASURED):

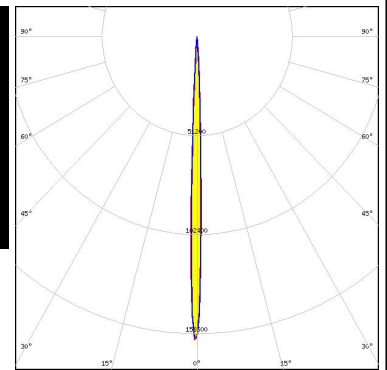
#### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 4.0° / 9.0°  
 Efficiency 93 %  
 Peak intensity 124 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



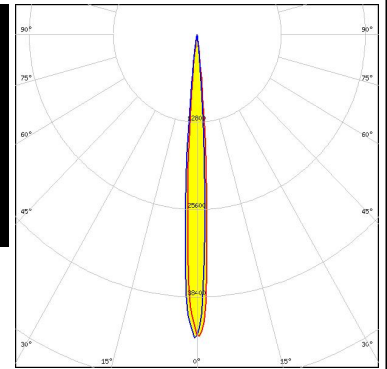
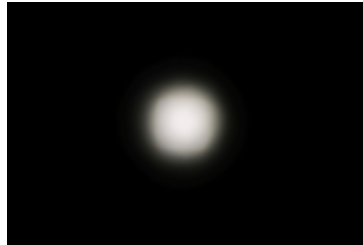
#### LUMILEDS

LED LUXEON Z  
 FWHM / FWTM 4.0° / 7.0°  
 Efficiency 92 %  
 Peak intensity 158 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



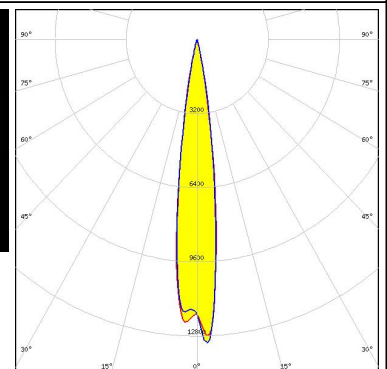
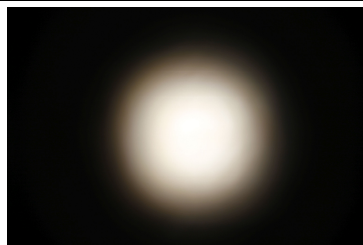
#### NICHIA

LED NVSW219F  
 FWHM / FWTM 7.0° / 13.0°  
 Efficiency 92 %  
 Peak intensity 46 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors  
 LED Duris S8  
 FWHM / FWTM 14.0° / 24.0°  
 Efficiency 90 %  
 Peak intensity 13.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

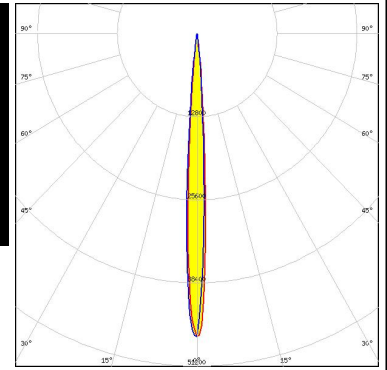
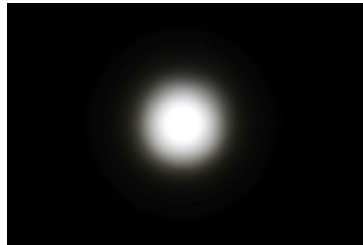


### OPTICAL RESULTS (MEASURED):

#### OSRAM

Opto Semiconductors

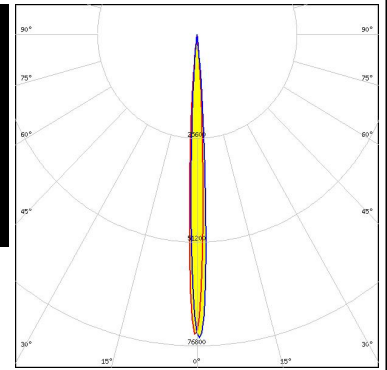
LED OSCONIQ P 3737 (2W version)  
 FWHM / FWTM 7.0° / 13.0°  
 Efficiency 90 %  
 Peak intensity 47.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

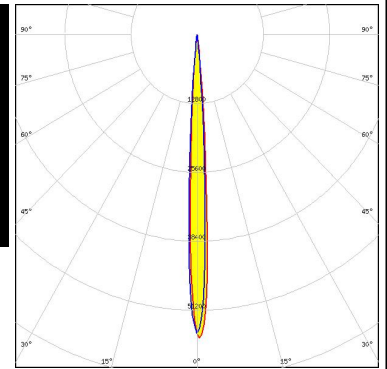
LED OSLON Boost HX (KW CULPM1.TG)  
 FWHM / FWTM 6.0° / 11.0°  
 Efficiency 92 %  
 Peak intensity 75.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

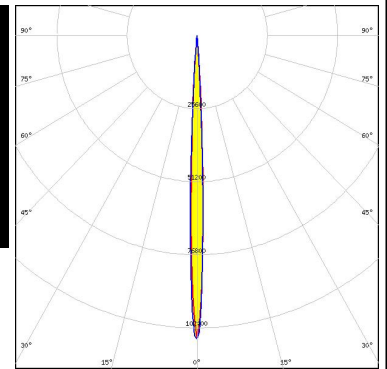
LED OSLON Square EC  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 90 %  
 Peak intensity 56 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

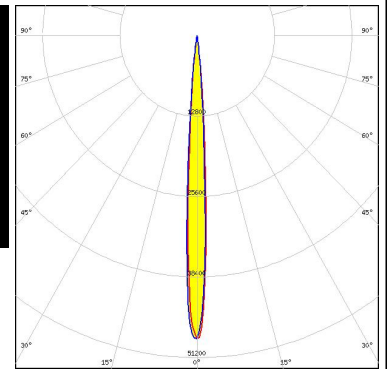
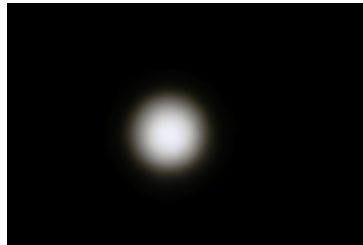
LED OSLON SSL 150  
 FWHM / FWTM 5.0° / 9.0°  
 Efficiency 93 %  
 Peak intensity 106 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (MEASURED):

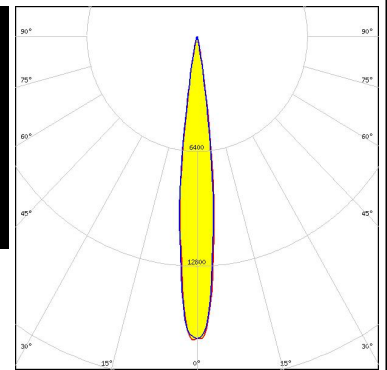
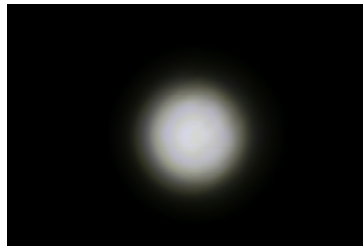
#### SAMSUNG

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:



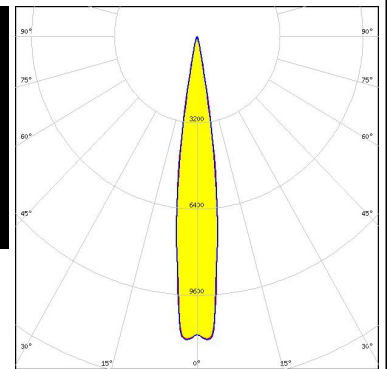
#### SAMSUNG

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:



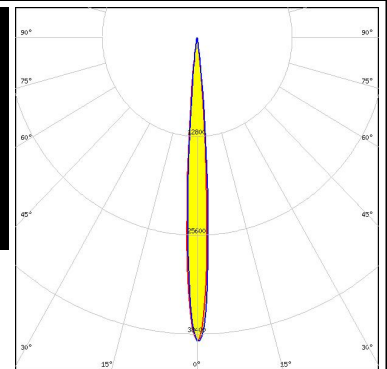
SEOUL SEMICONDUCTOR

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:


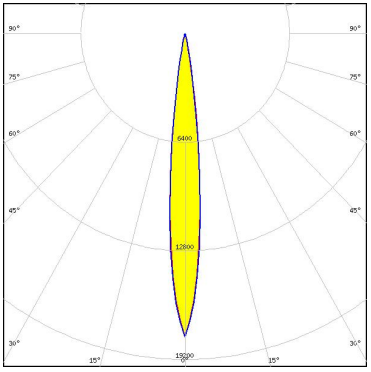

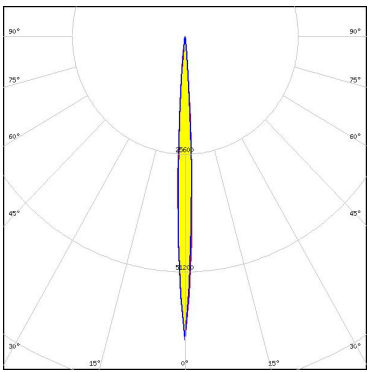

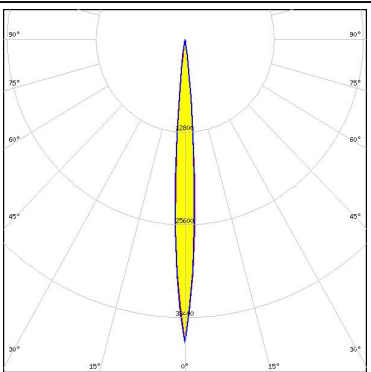

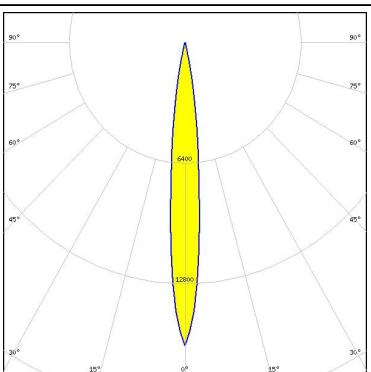


SEOUL SEMICONDUCTOR

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:



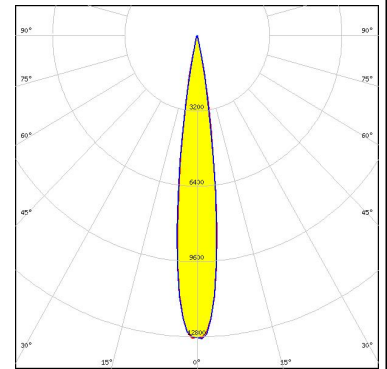
### OPTICAL RESULTS (SIMULATED):

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

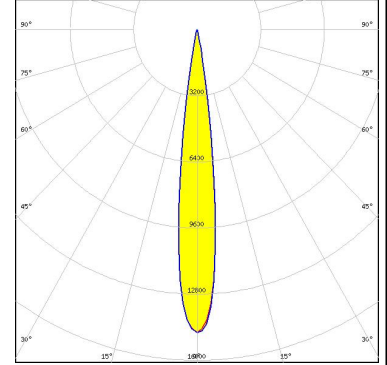
### OPTICAL RESULTS (SIMULATED):



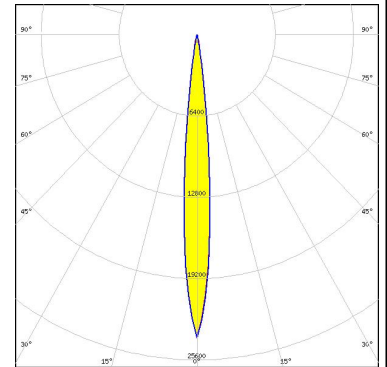
LED XHP50.2  
 FWHM / FWTM 14.0° / 24.0°  
 Efficiency 89 %  
 Peak intensity 13 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



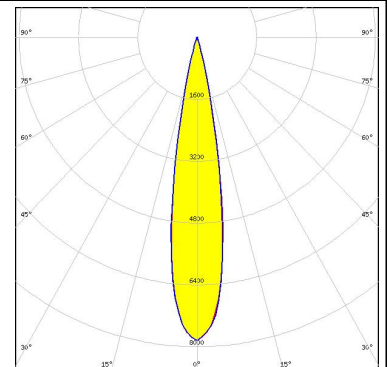
LED XHP50.3 HD  
 FWHM / FWTM 14.0° / 22.0°  
 Efficiency 89 %  
 Peak intensity 14.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





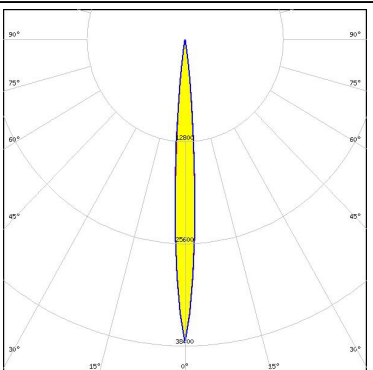
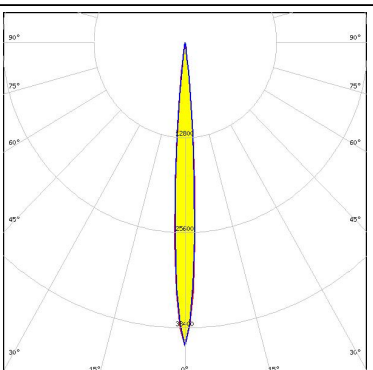
LED XHP50.3 HI  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 91 %  
 Peak intensity 23.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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:


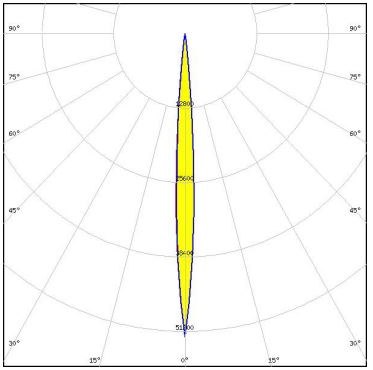

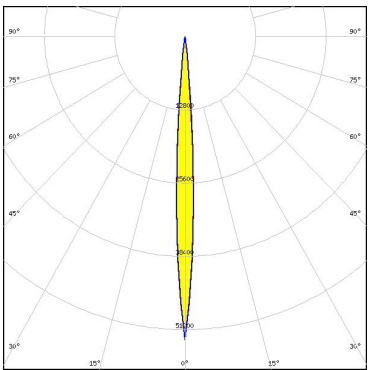

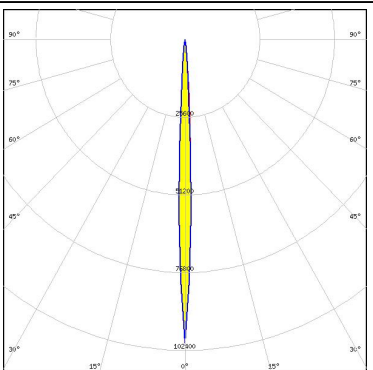

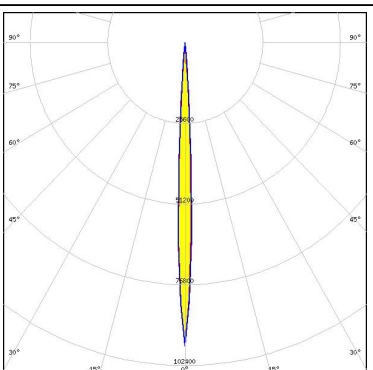


### OPTICAL RESULTS (SIMULATED):

	<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):

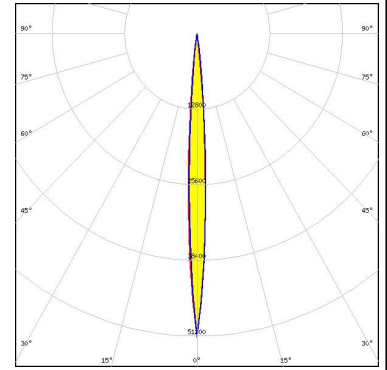
	<p>LED XP-G4            FWHM / FWTM 6.0° / 14.0°            Efficiency 92 %            Peak intensity 52.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XP-L HI            FWHM / FWTM 6.0° / 12.0°            Efficiency 91 %            Peak intensity 53 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>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:</p>	
	<p>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:</p>	



### OPTICAL RESULTS (SIMULATED):

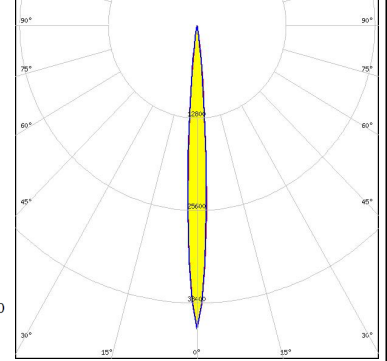
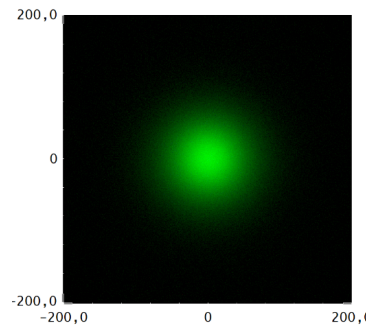
#### LUMILEDS

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:



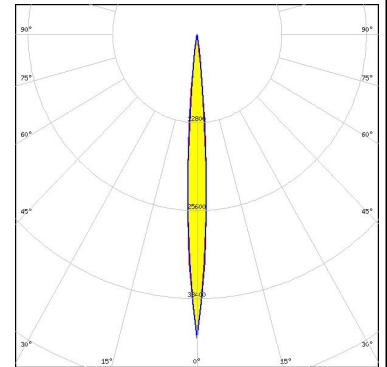
#### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 92 %  
 Peak intensity 42 cd/lm  
 LEDs/each optic 1  
 Light colour Green  
 Required components:



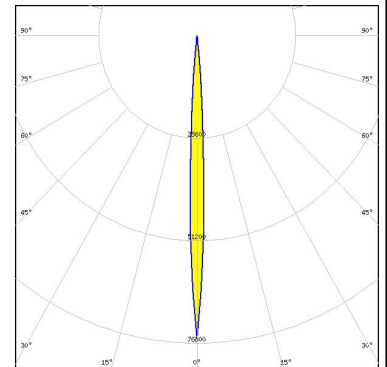
#### LUMILEDS

LED LUXEON HL2X  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 91 %  
 Peak intensity 44.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

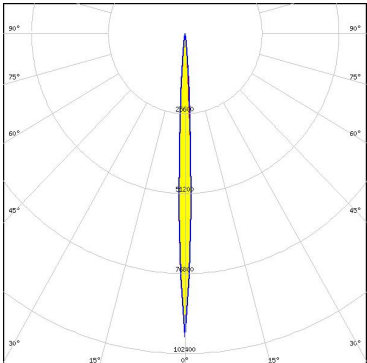
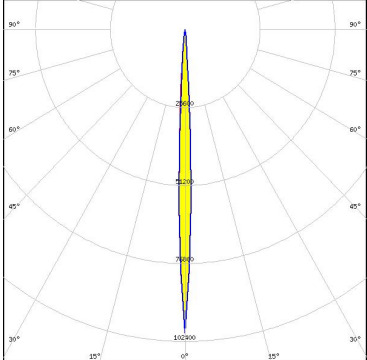
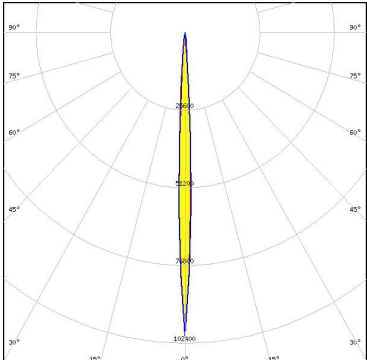
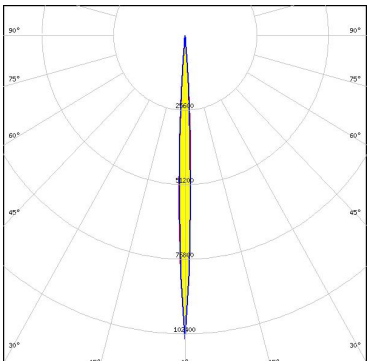


#### LUMILEDS

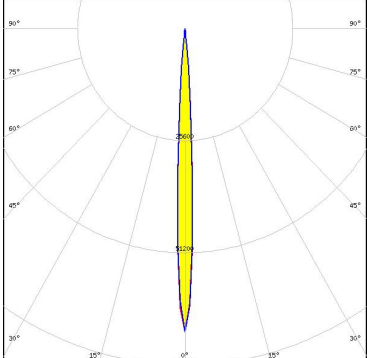
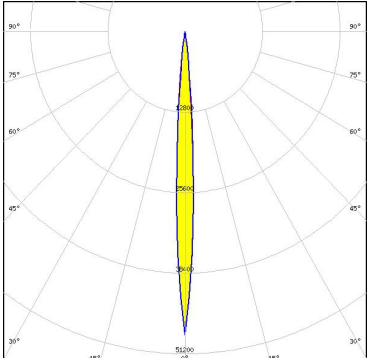
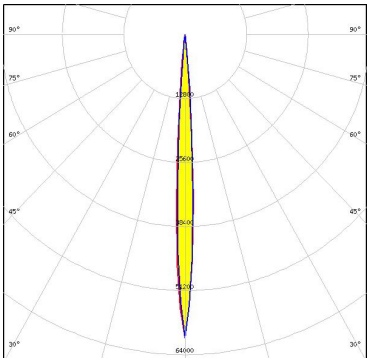
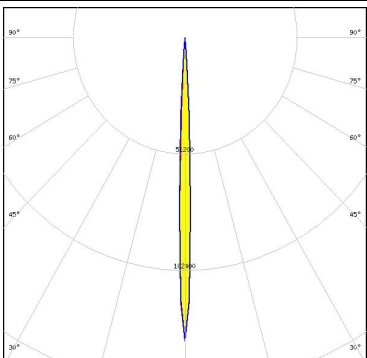
LED LUXEON Rebel Plus  
 FWHM / FWTM 6.0° / 10.0°  
 Efficiency 91 %  
 Peak intensity 75.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON Rubix            FWHM / FWTM 4.0° / 10.0°            Efficiency 91 %            Peak intensity 97.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON Rubix            FWHM / FWTM 4.0° / 10.0°            Efficiency 91 %            Peak intensity 99.6 cd/lm            LEDs/each optic 1            Light colour Blue            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON Rubix            FWHM / FWTM 4.0° / 10.0°            Efficiency 91 %            Peak intensity 100.1 cd/lm            LEDs/each optic 1            Light colour Green            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON Rubix            FWHM / FWTM 4.0° / 10.0°            Efficiency 91 %            Peak intensity 104.2 cd/lm            LEDs/each optic 1            Light colour Red            Required components:</p>	

### OPTICAL RESULTS (SIMULATED):

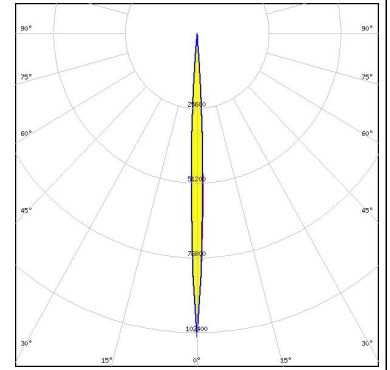
<p><b>NICHIA</b></p> <p>LED: NCSxE17A            FWHM / FWTM: 6.0° / 10.0°            Efficiency: 87 %            Peak intensity: 69.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM / FWTM: 6.0° / 14.0°            Efficiency: 88 %            Peak intensity: 48.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: OSOLON 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><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: OSTAR Projection Compact (KW.CSLNM1.TG)            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):

#### OSRAM

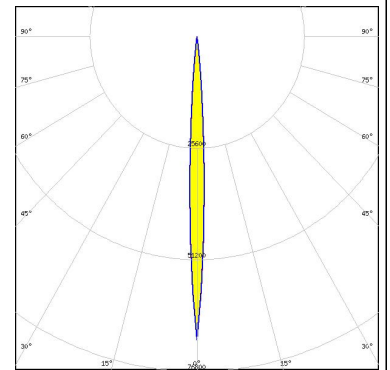
Opto Semiconductors

LED	OSTAR Projection Compact (KW.CSLNM1.TG)
FWHM / FWTM	4.0° / 10.0°
Efficiency	91 %
Peak intensity	103.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



#### 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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