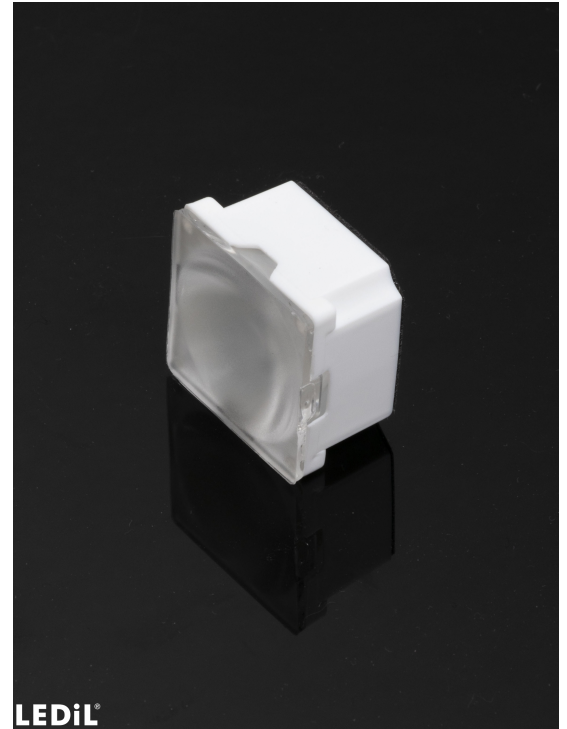


## G2-LAURA-D-P

~13° diffused spot beam. Assembly with thinner white holder, installation tape and location pins.

### SPECIFICATION:

Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

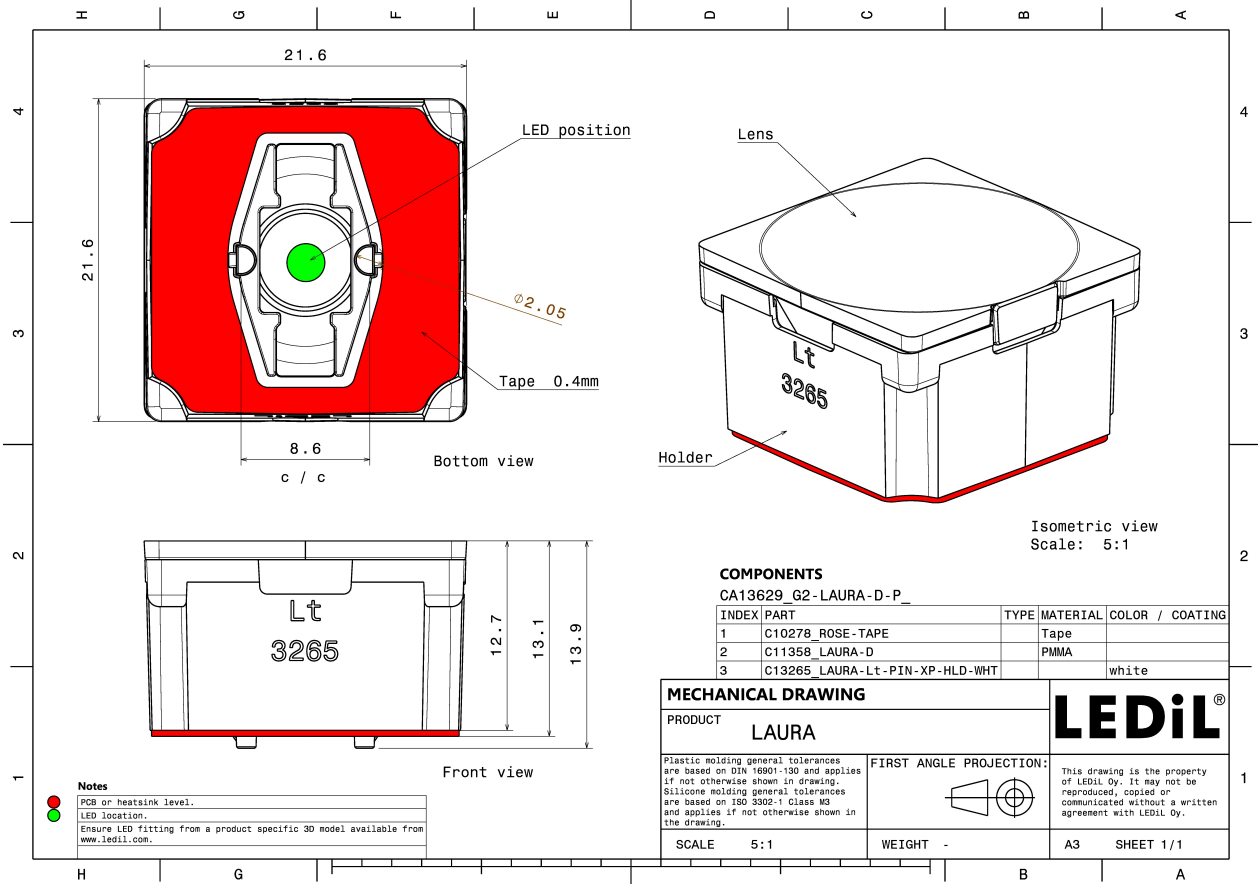


### MATERIALS:

Component	Type	Material	Colour	Finish
LAURA-D	Single lens	PMMA	clear	
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13629_G2-LAURA-D-P	Single lens	1440	360	180	5.9
» Box size: 451 x 254 x 152 mm					

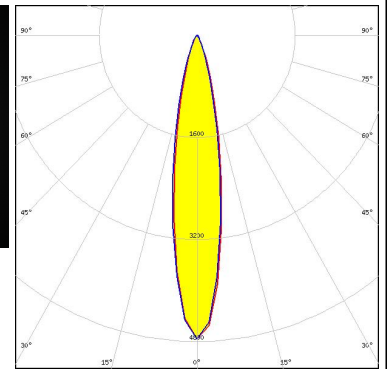
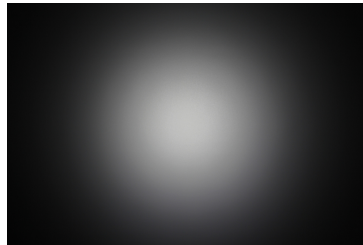


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

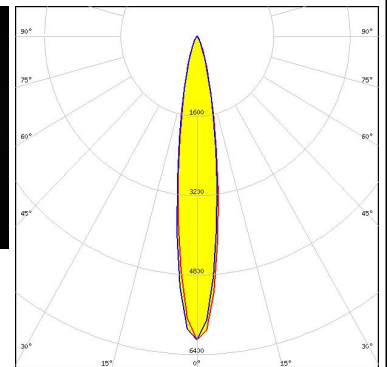
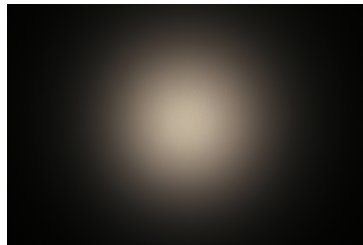
#### OPTICAL RESULTS (MEASURED):



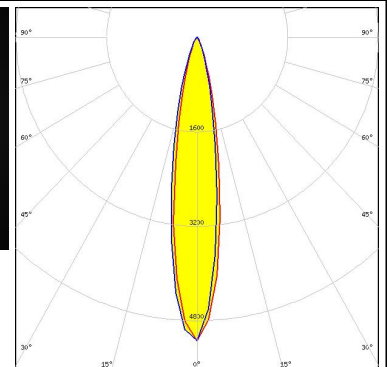
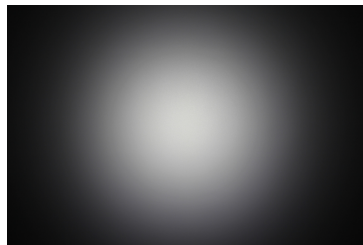
LED XB-H  
 FWHM / FWTM 19.0° / 41.0°  
 Efficiency 83 %  
 Peak intensity 4.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:




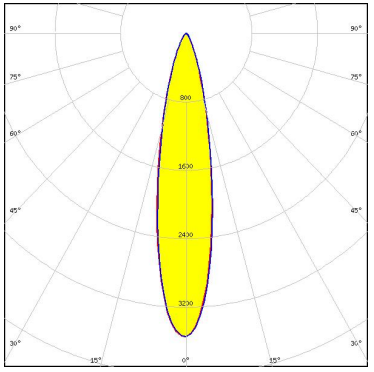

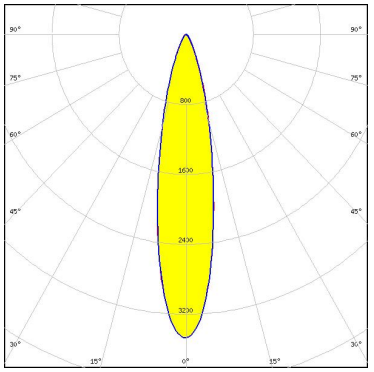

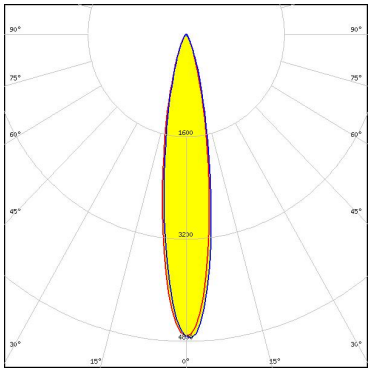

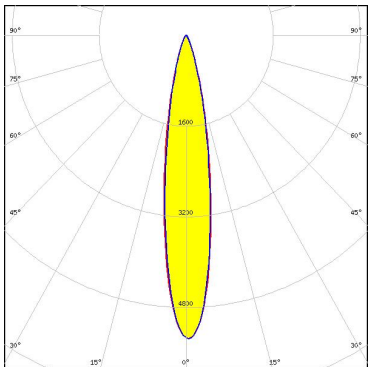
LED XP-E  
 FWHM / FWTM 13.0° / 31.0°  
 Efficiency 93 %  
 Peak intensity 9.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G2  
 FWHM / FWTM 19.0° / 40.0°  
 Efficiency 83 %  
 Peak intensity 5.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

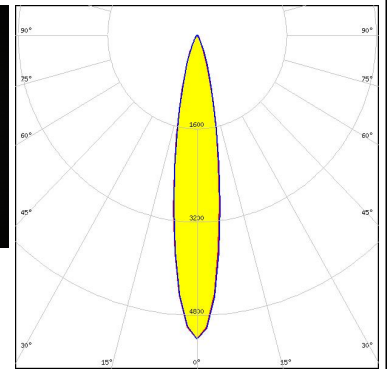
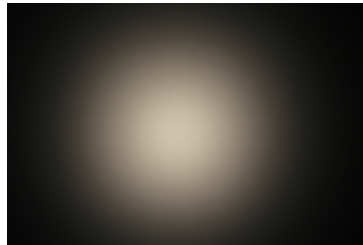
<p><b>CREE</b> LEDs</p> <p>LED XP-L HD            FWHM / FWTM 21.0° / 45.0°            Efficiency 81 %            Peak intensity 3.6 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> LEDs</p> <p>LED XP-L2            FWHM / FWTM 22.0° / 48.0°            Efficiency 84 %            Peak intensity 3.5 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> LEDs</p> <p>LED XT-E            FWHM / FWTM 19.0° / 41.0°            Efficiency 82 %            Peak intensity 4.7 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON 3030 2D (Round LES)            FWHM / FWTM 18.0° / 38.0°            Efficiency 87 %            Peak intensity 5.4 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		



#### OPTICAL RESULTS (MEASURED):

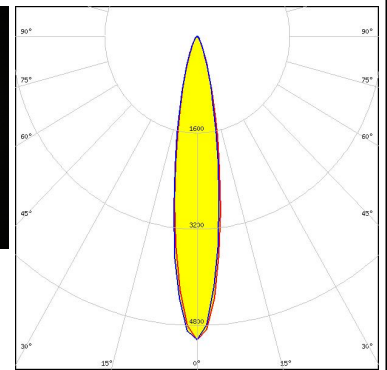
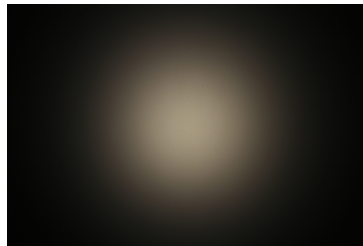
##### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 18.0° / 40.0°  
 Efficiency 86 %  
 Peak intensity 5.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



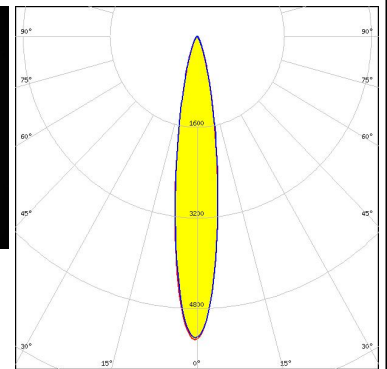
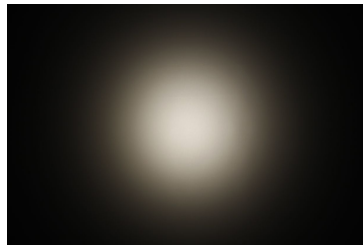
##### NICHIA

LED NCSxx19A  
 FWHM / FWTM 19.0° / 41.0°  
 Efficiency 87 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



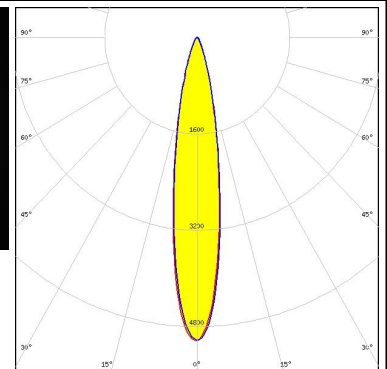
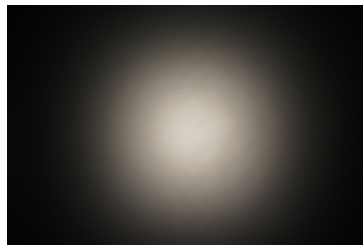
##### NICHIA

LED NCSxx19B  
 FWHM / FWTM 17.0° / 38.0°  
 Efficiency 83 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

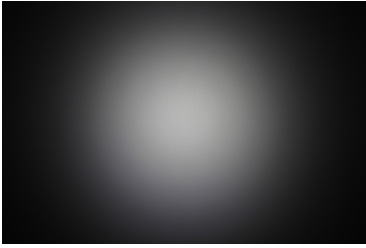
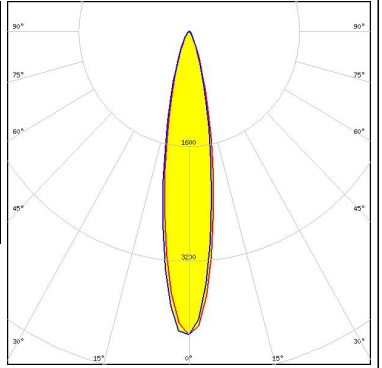
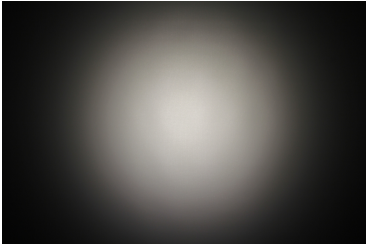

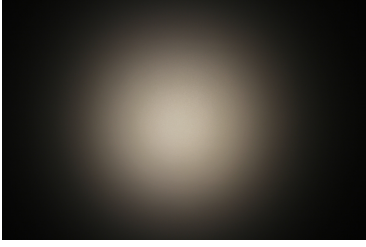
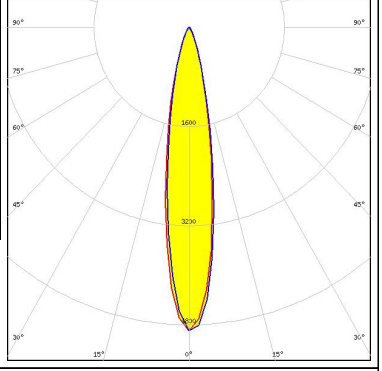

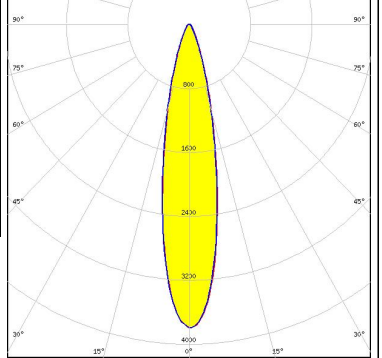


##### NICHIA



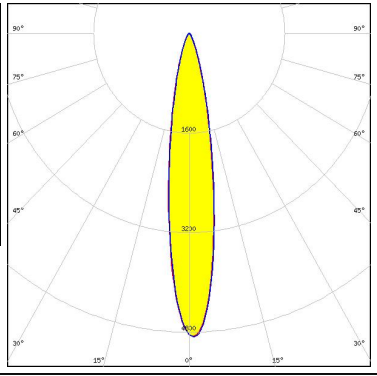


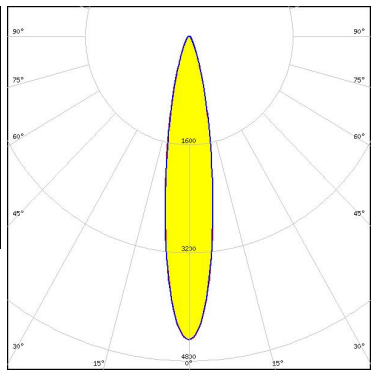
LED NVSW219D  
 FWHM / FWTM 18.0° / 40.0°  
 Efficiency 94 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NVSxx19A            FWHM / FWTM 20.0° / 43.0°            Efficiency 81 %            Peak intensity 4.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 19.0° / 42.0°            Efficiency 83 %            Peak intensity 4.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLON Square EC            FWHM / FWTM 19.0° / 40.0°            Efficiency 82 %            Peak intensity 4.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SAMSUNG</b></p> <p>LED LH351D            FWHM / FWTM 21.0° / 46.0°            Efficiency 93 %            Peak intensity 3.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

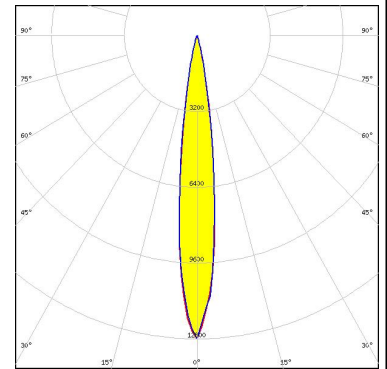
## OPTICAL RESULTS (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2</p> <p>FWHM / FWTM 18.0° / 39.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 4.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM 19.0° / 42.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 4.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

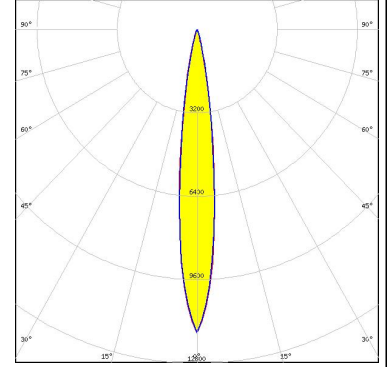
#### OPTICAL RESULTS (SIMULATED):



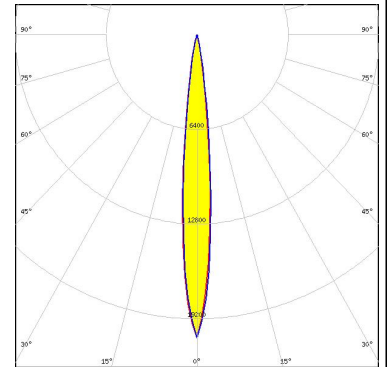
LED XHP35 HI  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 94 %  
 Peak intensity 12.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



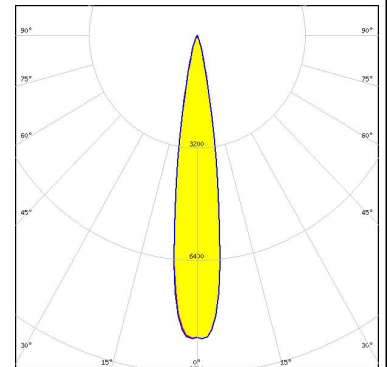
LED XP-G3  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 93 %  
 Peak intensity 11.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



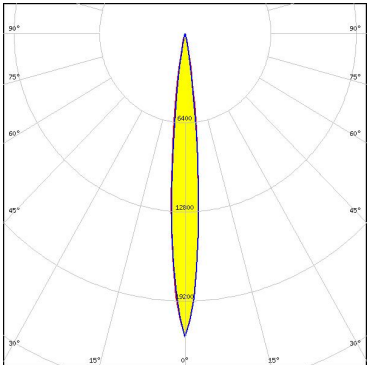
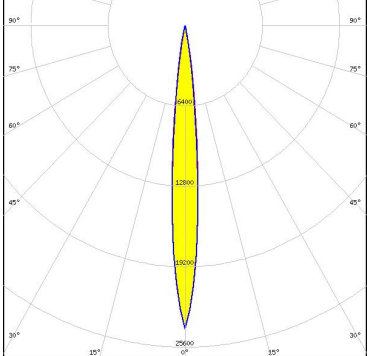
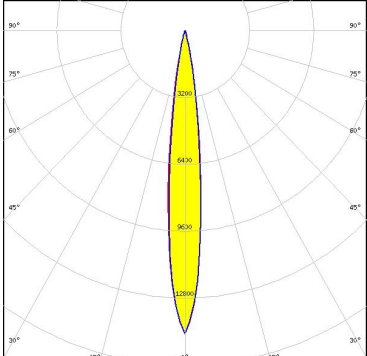
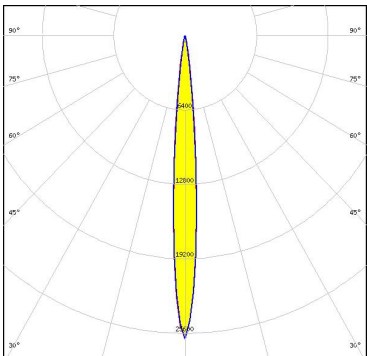
LED XQ-E HD  
 FWHM / FWTM 10.8° / 21.2°  
 Efficiency 94 %  
 Peak intensity 20.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

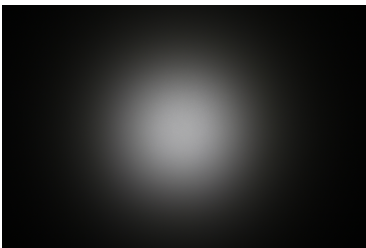


LED NS9x383  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 94 %  
 Peak intensity 8.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Boost HX (KW CULPM1.TG)</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 21.8 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 Signal</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 24.2 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 OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 12.0° / 25.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 14.5 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 Flat</p> <p>FWHM / FWTM 9.0° / 19.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 26.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

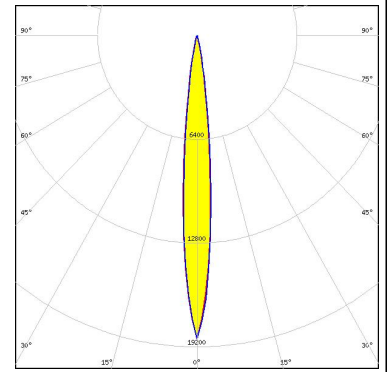


#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

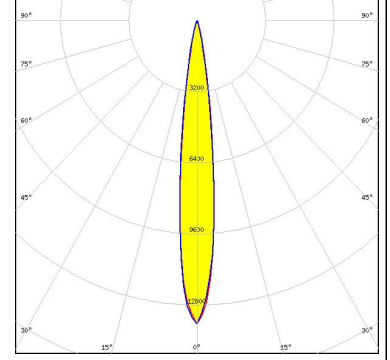
LED OSLON SSL 80  
 FWHM / FWTM 10.0° / 22.0°  
 Efficiency 95 %  
 Peak intensity 18.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### SEOL

SEOUL SEMICONDUCTOR

LED Z8Y22P  
 FWHM / FWTM 13.0° / 25.0°  
 Efficiency 97 %  
 Peak intensity 13.6 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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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