

## VERONICA-SQ-O

~55° + 12° oval beam

## SPECIFICATION:

Dimensions	Ø 22.5 mm
Height	12.2 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

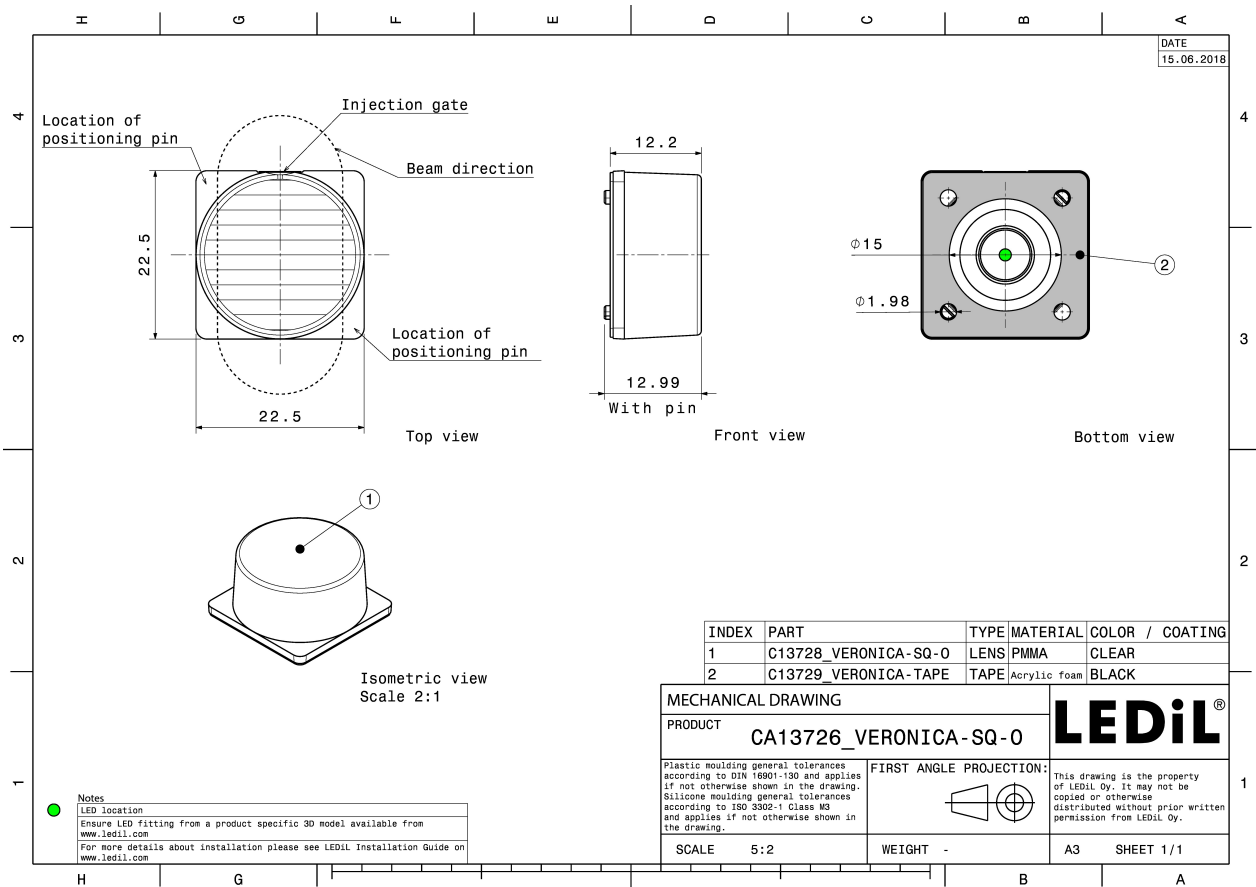
## MATERIALS:

Component	Type	Material	Colour	Finish
VERONICA-SQ-O	Single lens	PMMA	clear	
VERONICA-TAPE	Tape	Acrylic foam	clear	



## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13726_VERONICA-SQ-O	Single lens	1980	360	90	8.2
» Box size: 480 x 280 x 300 mm					

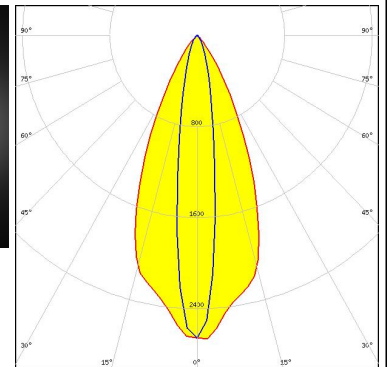
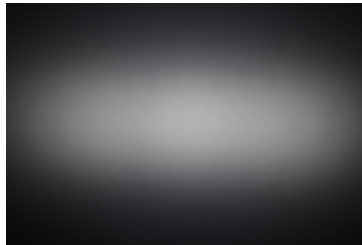


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

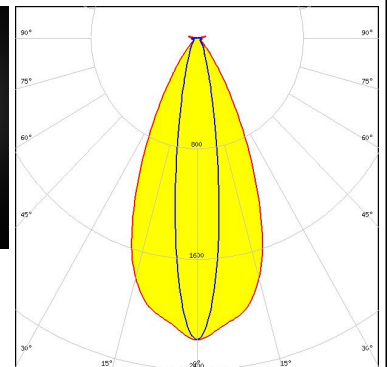
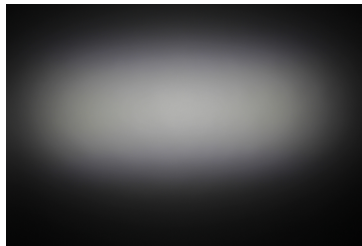
#### OPTICAL RESULTS (MEASURED):



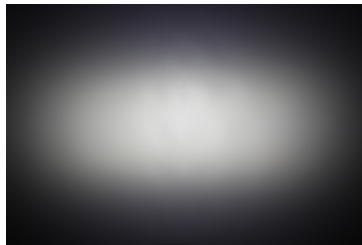
LED XB-H  
FWHM / FWTM 45.0 + 16.0° / 73.0 + 40.0°  
Efficiency 77 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XD16  
FWHM / FWTM 47.0 + 17.0° / 76.0 + 41.0°  
Efficiency 87 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XHP35 HD  
FWHM / FWTM 45.0 + 20.0° / 78.0 + 48.0°  
Efficiency 73 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



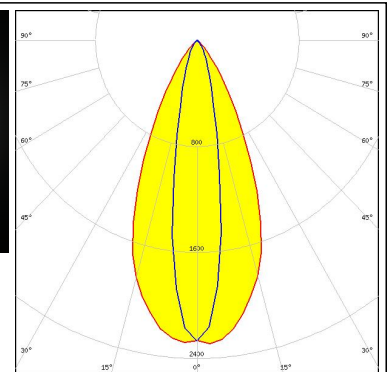
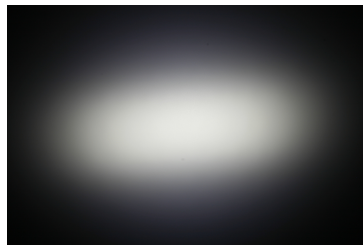
LED XHP35 HI  
FWHM / FWTM 46.0 + 16.0° / 74.0 + 40.0°  
Efficiency 75 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



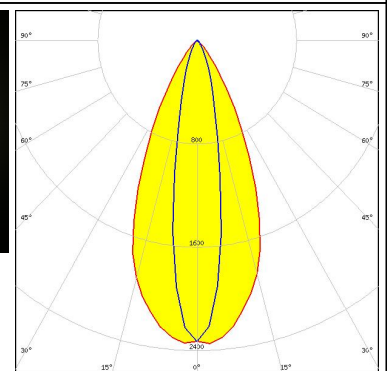
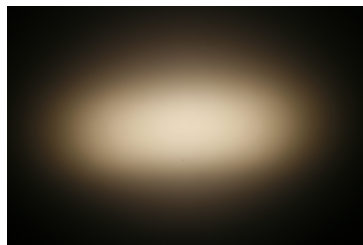
#### OPTICAL RESULTS (MEASURED):



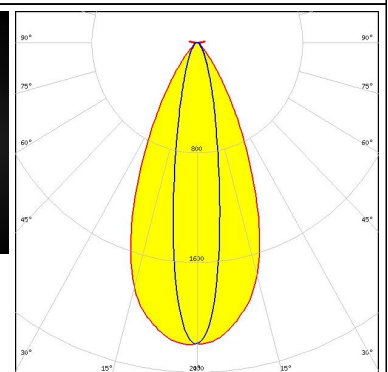
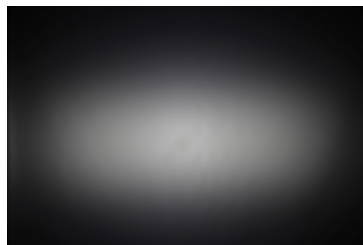
LED XM-L  
FWHM / FWTM 47.0 + 20.0° / 77.0 + 46.0°  
Efficiency 80 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



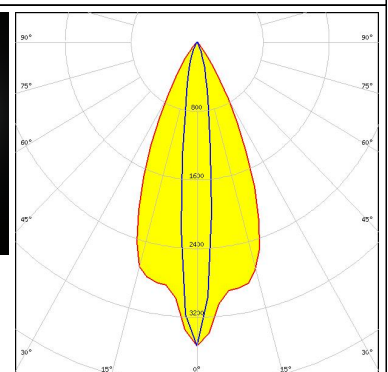
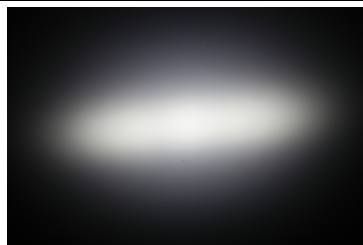
LED XM-L2  
FWHM / FWTM 47.0 + 20.0° / 76.0 + 45.0°  
Efficiency 80 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XM-L3  
FWHM / FWTM 47.0 + 19.0° / 77.0 + 46.0°  
Efficiency 88 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-E2  
FWHM / FWTM 46.0 + 12.0° / 71.0 + 34.0°  
Efficiency 80 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

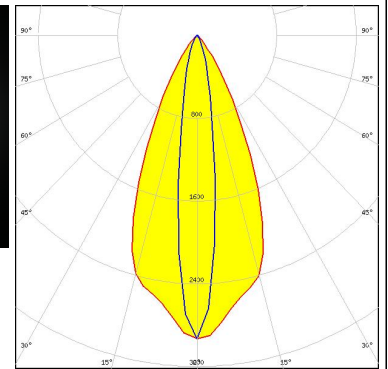




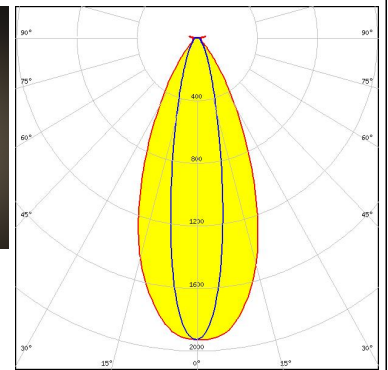
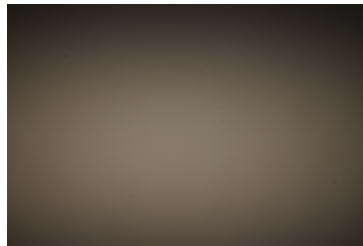
#### OPTICAL RESULTS (MEASURED):



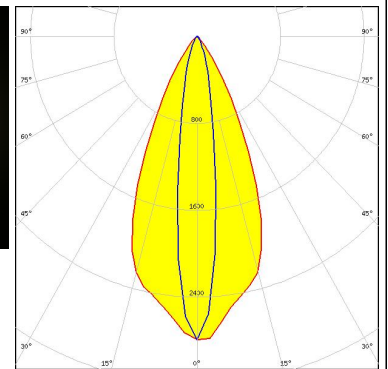
LED XP-G2  
 FWHM / FWTM 47.0 + 14.0° / 76.0 + 40.0°  
 Efficiency 80 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



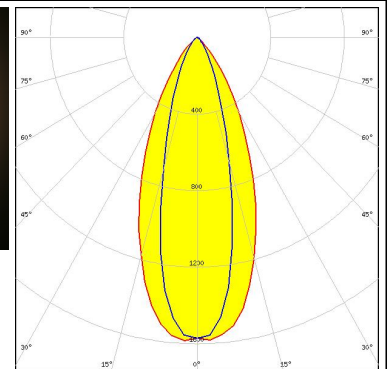
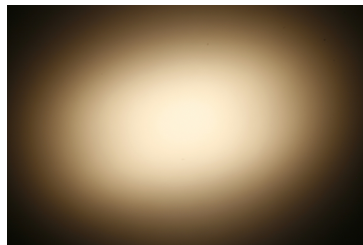
LED XP-L2  
 FWHM / FWTM 45.0 + 20.0° / 78.0 + 49.0°  
 Efficiency 86 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XT-E  
 FWHM / FWTM 47.0 + 16.0° / 74.0 + 40.0°  
 Efficiency 79 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



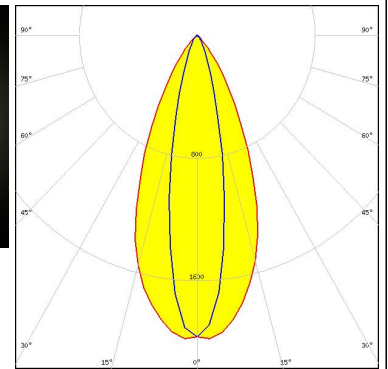
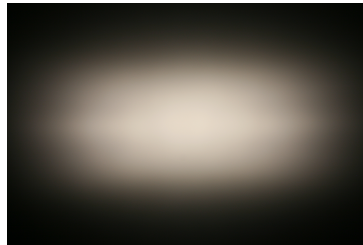
LED LUXEON M/MX  
 FWHM / FWTM 45.0 + 28.0° / 81.0 + 60.0°  
 Efficiency 76 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

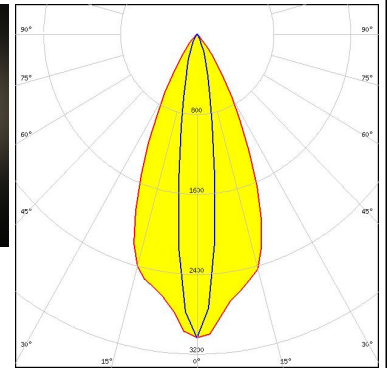
##### LUMILEDS

LED LUXEON MZ  
FWHM / FWTM 47.0 + 23.0° / 77.0 + 46.0°  
Efficiency 73 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



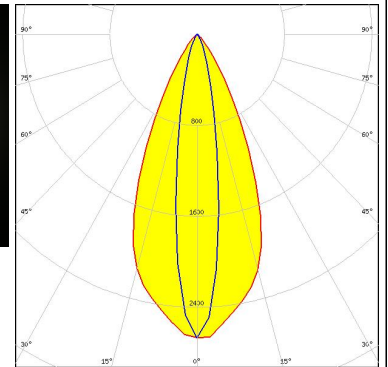
##### LUMILEDS

LED LUXEON Rebel  
FWHM / FWTM 47.0 + 15.0° / 72.0 + 38.0°  
Efficiency 80 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



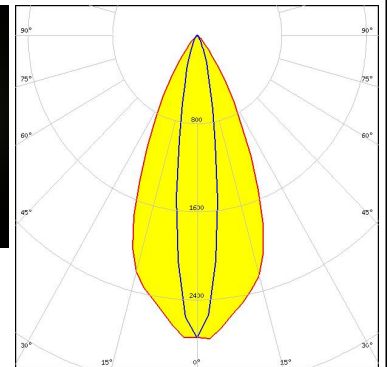
##### LUMILEDS

LED LUXEON Rebel ES  
FWHM / FWTM 47.0 + 17.0° / 74.0 + 39.0°  
Efficiency 80 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### LUMILEDS

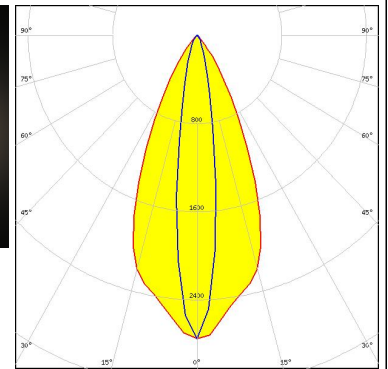
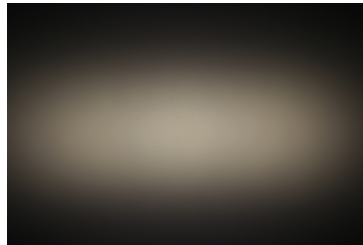
LED LUXEON T  
FWHM / FWTM 47.0 + 17.0° / 74.0 + 39.0°  
Efficiency 80 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OPTICAL RESULTS (MEASURED):

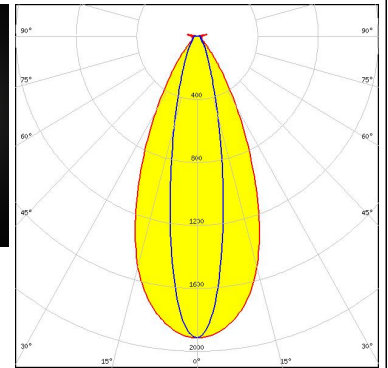
##### LUMILEDS

LED LUXEON TX  
FWHM / FWTM 46.0 + 16.0° / 73.0 + 37.0°  
Efficiency 77 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



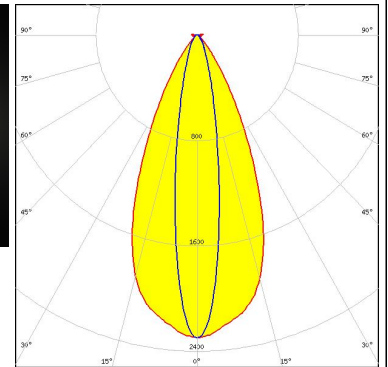
##### LUMILEDS

LED LUXEON V  
FWHM / FWTM 46.0 + 21.0° / 79.0 + 50.0°  
Efficiency 88 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



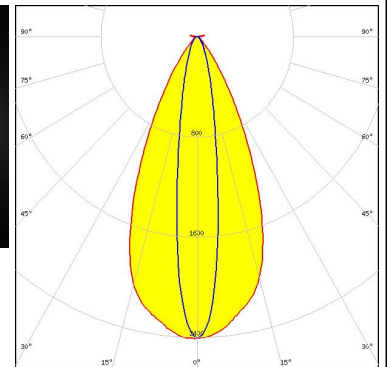
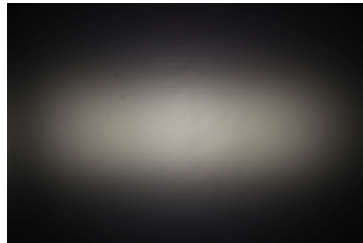
##### LUMILEDS

LED LUXEON V2  
FWHM / FWTM 47.0 + 17.0° / 76.0 + 43.0°  
Efficiency 87 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### NICHIA

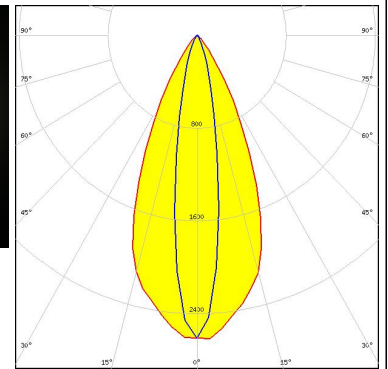
LED NVSW219F  
FWHM / FWTM 48.0 + 16.0° / 76.0 + 42.0°  
Efficiency 88 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



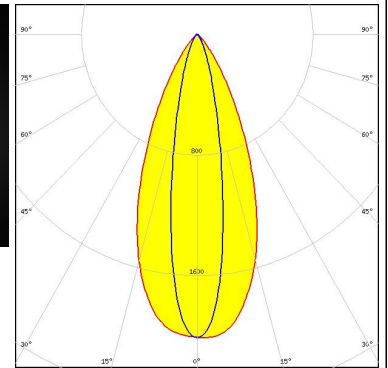
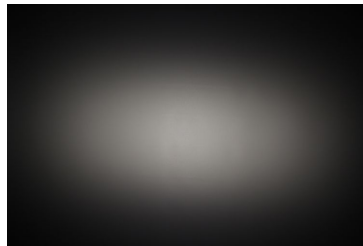
#### OPTICAL RESULTS (MEASURED):



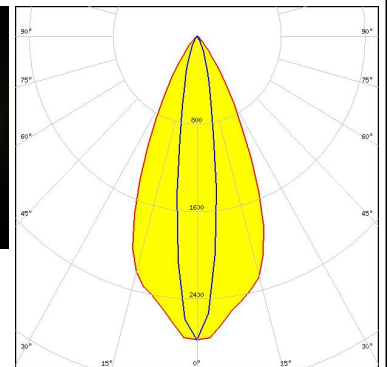
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 47.0 + 18.0° / 74.0 + 37.0°  
 Efficiency 80 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



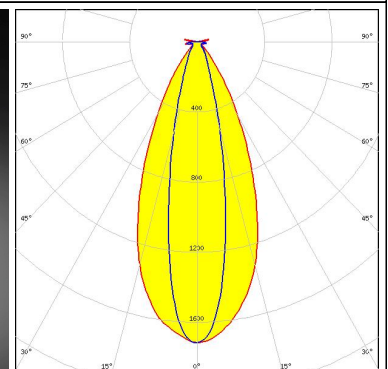
LED NWSx229A  
 FWHM / FWTM 20.0 + 45.0° / 75.0 + 45.0°  
 Efficiency 74 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSLOM Square EC  
 FWHM / FWTM 47.0 + 17.0° / 74.0 + 39.0°  
 Efficiency 79 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LH181A  
 FWHM / FWTM 46.0 + 22.0° / 79.0 + 48.0°  
 Efficiency 85 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

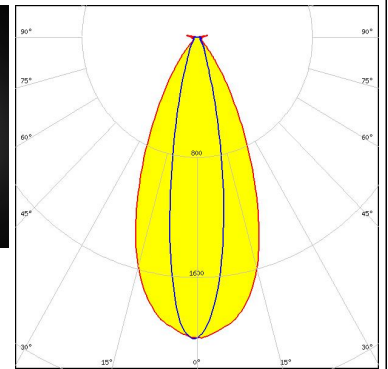




#### OPTICAL RESULTS (MEASURED):

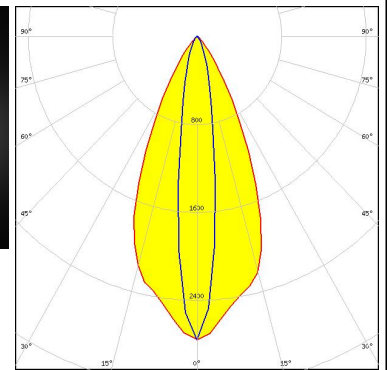
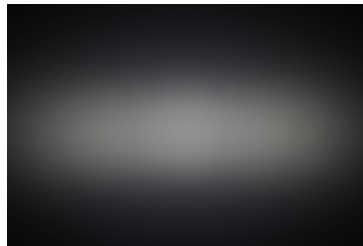
#### SAMSUNG

LED LH181B  
FWHM / FWTM 46.0 + 21.0° / 78.0 + 44.0°  
Efficiency 88 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

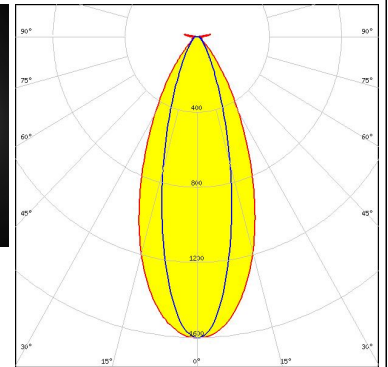
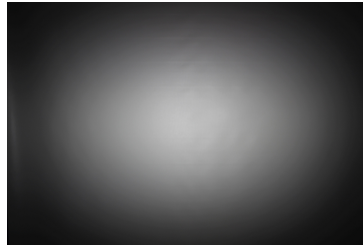


#### SAMSUNG

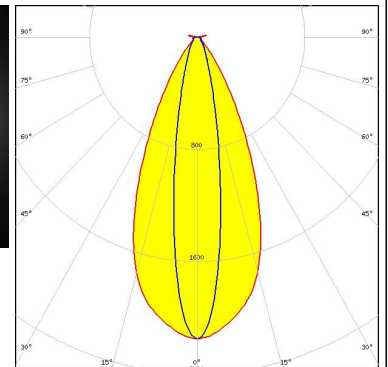
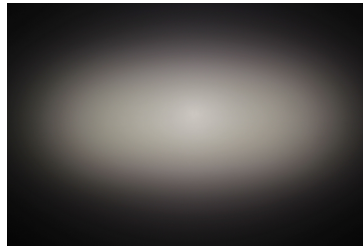
LED LH351Z  
FWHM / FWTM 47.0 + 15.0° / 73.0 + 40.0°  
Efficiency 78 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





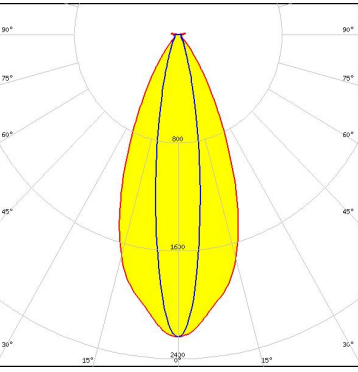

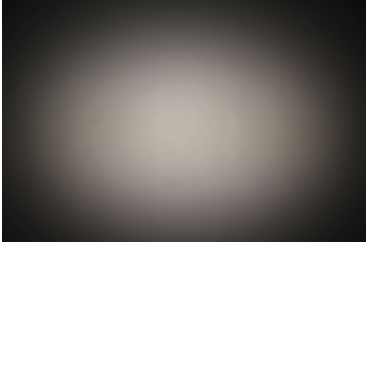
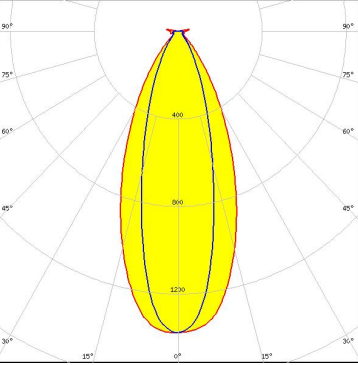
LED MJT 5050  
FWHM / FWTM 45.0 + 28.0° / 82.0 + 60.0°  
Efficiency 87 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Z5M3  
FWHM / FWTM 47.0 + 18.0° / 77.0 + 45.0°  
Efficiency 89 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):

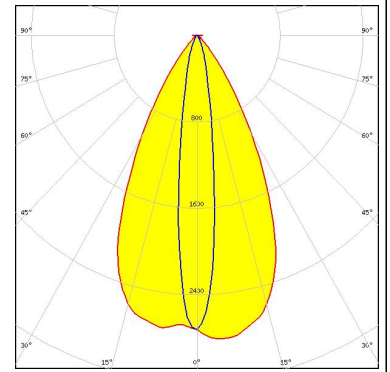
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 45.0 + 18.0° / 75.0 + 42.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y50P</p> <p>FWHM / FWTM 45.0 + 29.0° / 83.0 + 65.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		



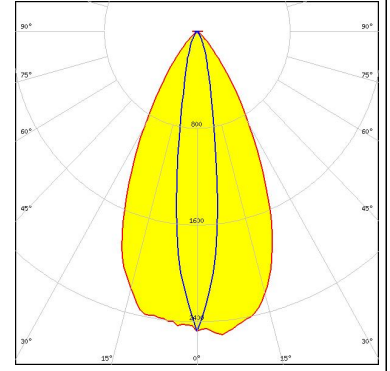
#### OPTICAL RESULTS (SIMULATED):



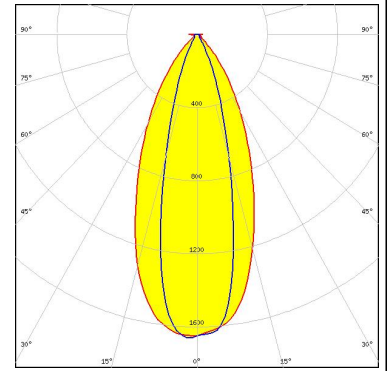
LED XP-G2 HE  
 FWHM / FWTM 54.0 + 14.0° / 80.0 + 35.0°  
 Efficiency 92 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



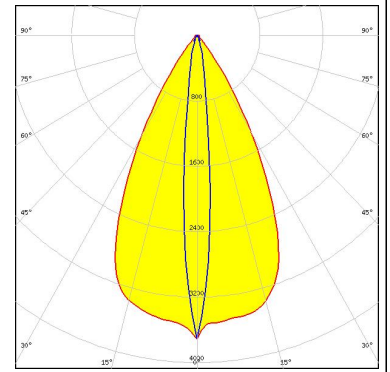
LED XP-L HD  
 FWHM / FWTM 53.0 + 16.0° / 82.0 + 38.0°  
 Efficiency 86 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON C  
 FWHM / FWTM 46.0 + 27.0° / 85.0 + 53.0°  
 Efficiency 84 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 4  
 Light colour RGBW  
 Required components:



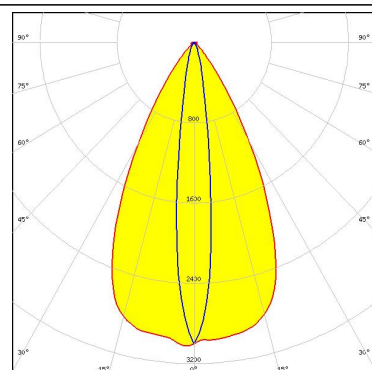
LED SFT-40-WCS  
 FWHM / FWTM 54.0 + 10.0° / 78.0 + 26.0°  
 Efficiency 92 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



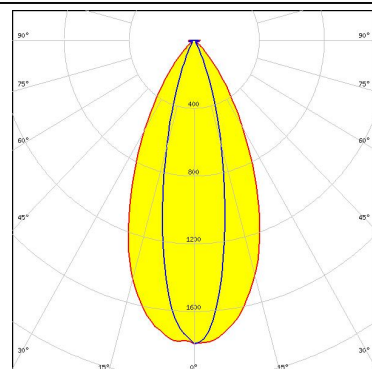
#### OPTICAL RESULTS (SIMULATED):



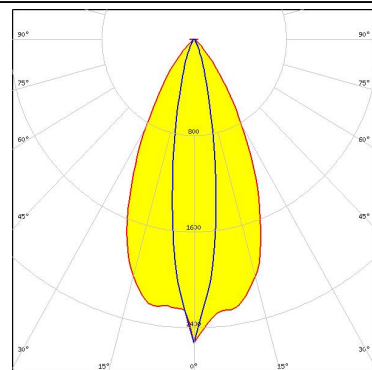
LED SFT-70X-WCS  
 FWHM / FWTM 54.0 + 14.0° / 80.0 + 31.0°  
 Efficiency 92 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



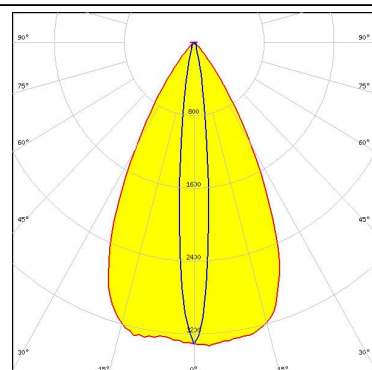
LED NCSxE17A  
 FWHM / FWTM 50.0 + 24.0° / 84.0 + 48.0°  
 Efficiency 83 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:



LED NV4WB35AM  
 FWHM / FWTM 50.0 + 18.0° / 82.0 + 40.0°  
 Efficiency 88 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSCONIQ P 3030  
 FWHM / FWTM 56.0 + 12.0° / 79.0 + 26.0°  
 Efficiency 88 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

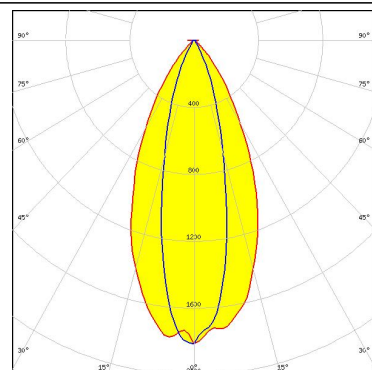


#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

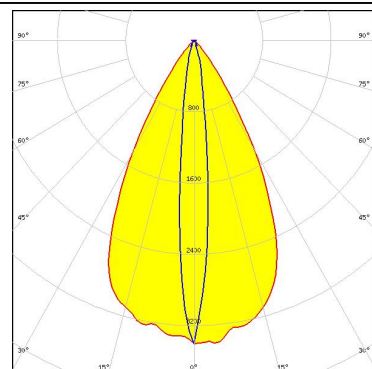
LED OSCONIQ P 7070  
FWHM / FWTM 49.0 + 25.0° / 83.0 + 53.0°  
Efficiency 84 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

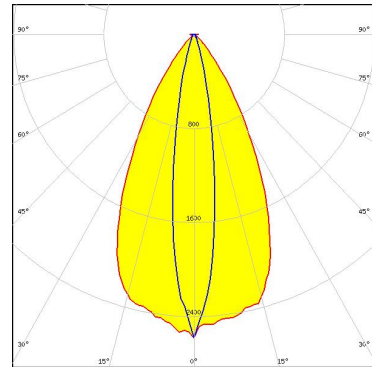
Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3  
FWHM / FWTM 56.0 + 12.0° / 58.0 + 28.0°  
Efficiency 88 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22T  
FWHM / FWTM 54.0 + 16.0° / 82.0 + 35.0°  
Efficiency 89 %  
Peak intensity 2.6 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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