

## VERONICA-SQ-RS

~13° spot beam

## SPECIFICATION:

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

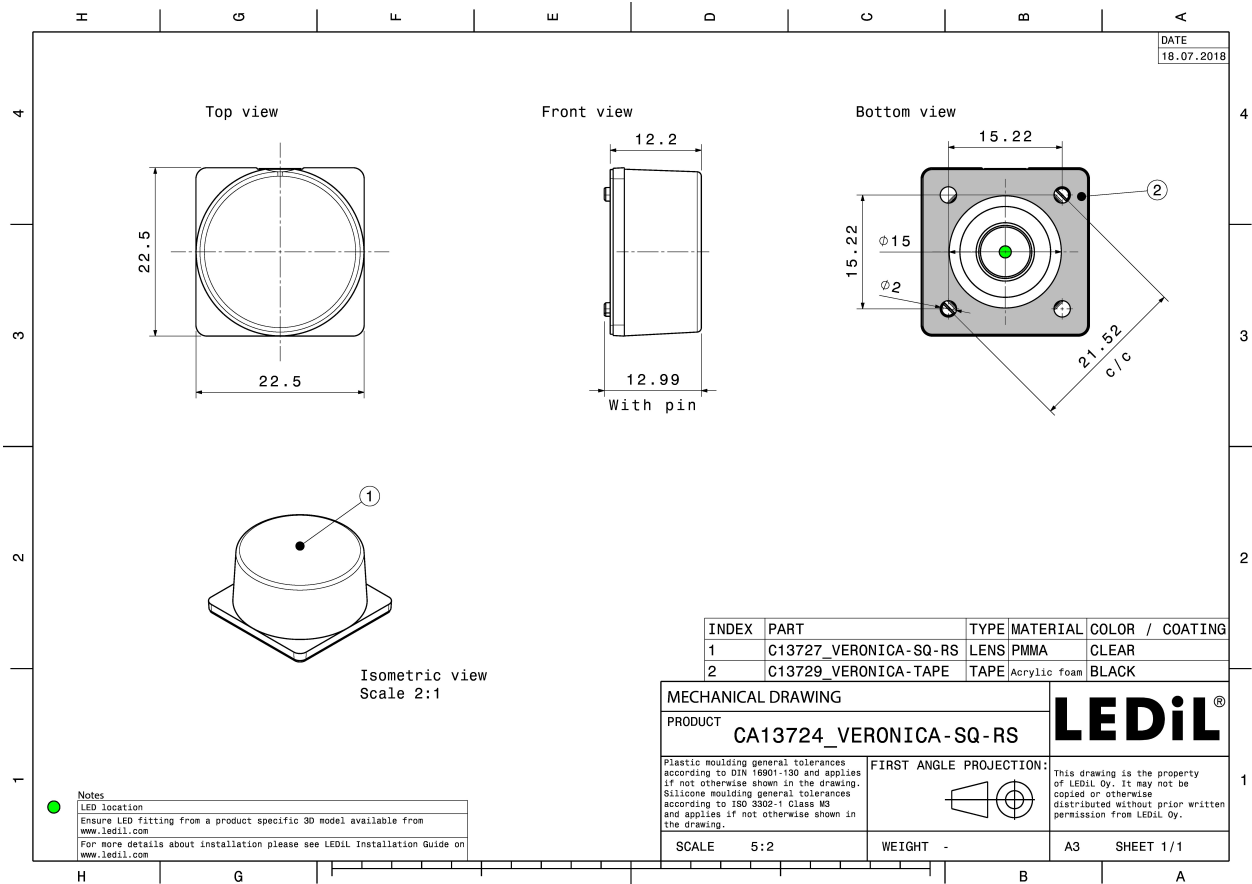
## MATERIALS:

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



## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13724_VERONICA-SQ-RS	Single lens	1980	360	90	8.2
» Box size: 480 x 280 x 300 mm					

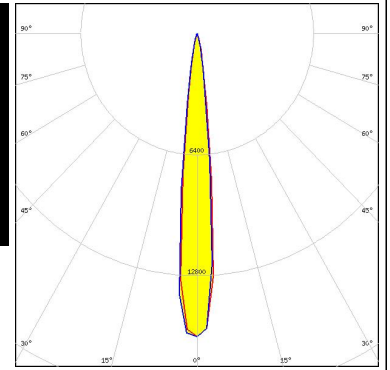
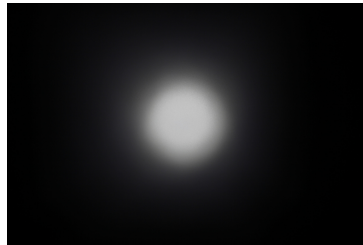


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

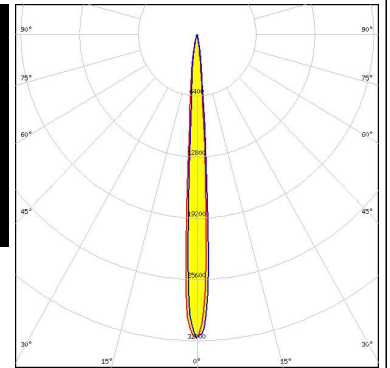
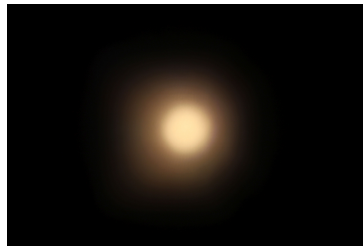
#### OPTICAL RESULTS (MEASURED):



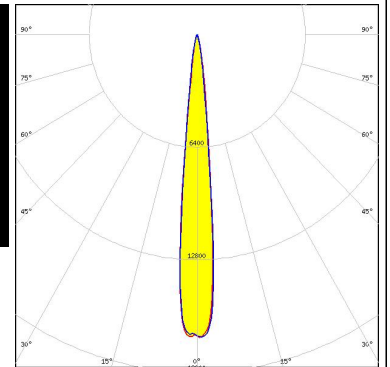
LED XB-H  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 87 %  
Peak intensity 16 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



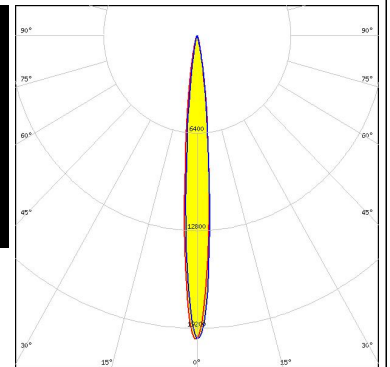
LED XP-E2  
FWHM / FWTM 7.0° / 17.0°  
Efficiency 97 %  
Peak intensity 31.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G2  
FWHM / FWTM 11.0° / 20.0°  
Efficiency 90 %  
Peak intensity 18.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



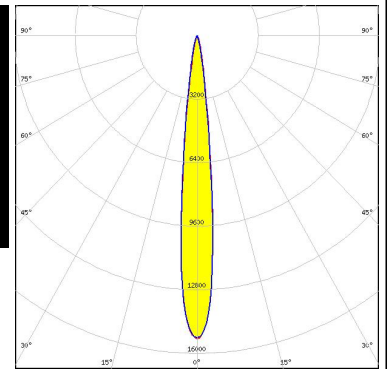
LED LUXEON 3030 2D (Square LES)  
FWHM / FWTM 10.0° / 21.0°  
Efficiency 92 %  
Peak intensity 19.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



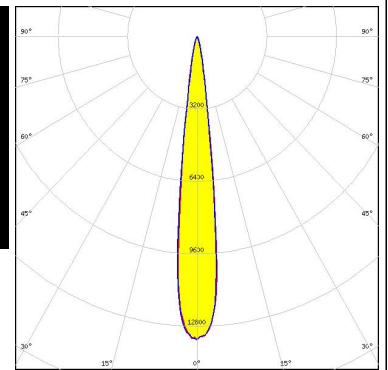
#### OPTICAL RESULTS (MEASURED):



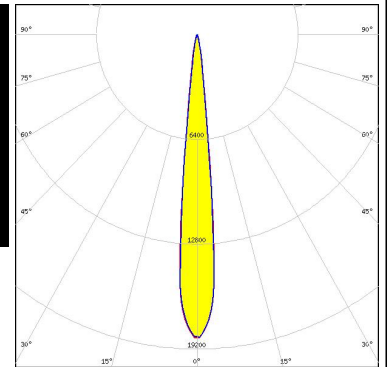
LED LUXEON V2  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 94 %  
Peak intensity 15.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



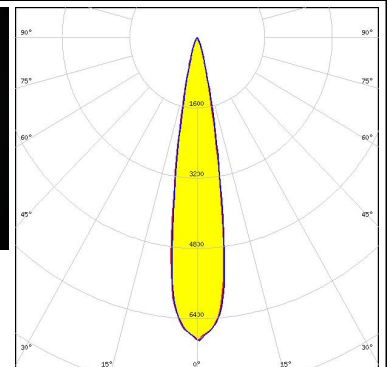
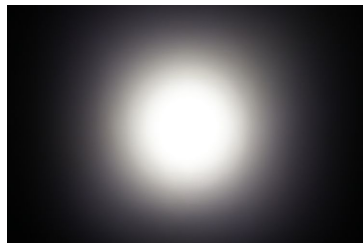
LED NVSW219F  
FWHM / FWTM 13.0° / 23.0°  
Efficiency 94 %  
Peak intensity 13.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSW719AC  
FWHM / FWTM 11.0° / 20.0°  
Efficiency 97 %  
Peak intensity 18.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NWSx229A  
FWHM / FWTM 18.0° / 33.0°  
Efficiency 88 %  
Peak intensity 6.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

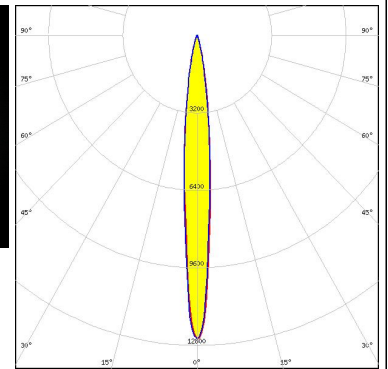




#### OPTICAL RESULTS (MEASURED):

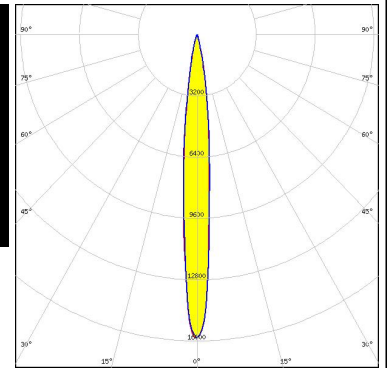
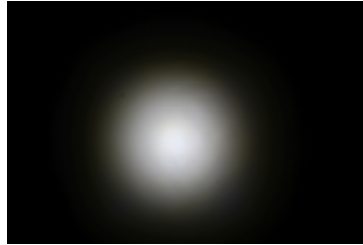
#### SAMSUNG

LED LH181A  
FWHM / FWTM 10.0° / 26.0°  
Efficiency 93 %  
Peak intensity 12.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



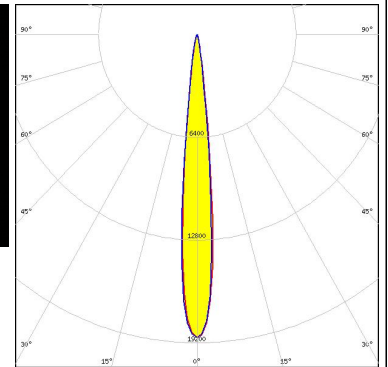
#### SAMSUNG

LED LH181B  
FWHM / FWTM 10.0° / 24.0°  
Efficiency 94 %  
Peak intensity 15.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



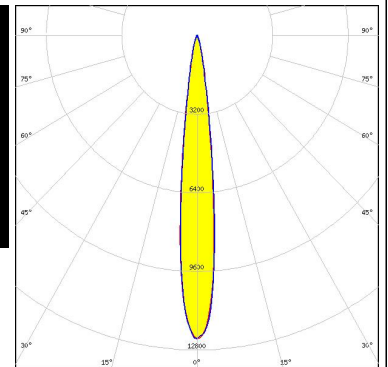
#### SAMSUNG

LED LH351Z  
FWHM / FWTM 12.0° / 20.0°  
Efficiency 89 %  
Peak intensity 18.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:


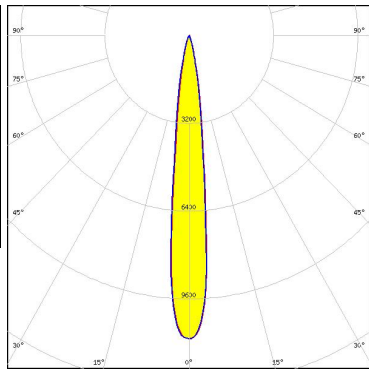

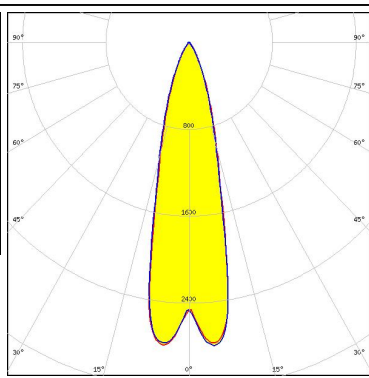


SEOUL SEMICONDUCTOR

LED Z5M3  
FWHM / FWTM 13.0° / 25.0°  
Efficiency 94 %  
Peak intensity 12.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



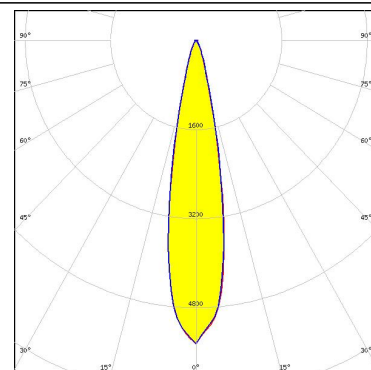
#### OPTICAL RESULTS (MEASURED):

<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 12.0° / 26.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 11.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z8Y50P</p> <p>FWHM / FWTM 25.0° / 52.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### OPTICAL RESULTS (SIMULATED):



LED XHP35.2 HD  
FWHM / FWTM 20.0° / 37.0°  
Efficiency 94 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XM-L  
FWHM / FWTM 15.0°  
Efficiency 91 %  
LEDs/each optic 1  
Light colour White  
Required components:



LED XM-L2  
FWHM / FWTM 15.0°  
Efficiency 92 %  
LEDs/each optic 1  
Light colour White  
Required components:

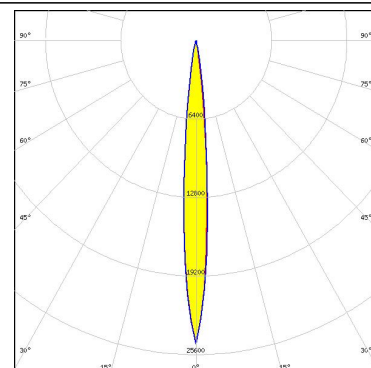


LED XP-E  
FWHM / FWTM 8.0°  
Efficiency 92 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### OPTICAL RESULTS (SIMULATED):



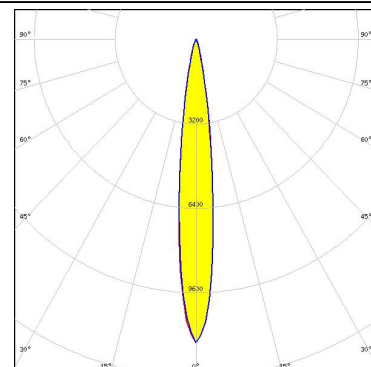
LED XP-E2  
FWHM / FWTM 10.0° / 19.0°  
Efficiency 96 %  
Peak intensity 24.7 cd/lm  
LEDs/each optic 1  
Light colour Amber  
Required components:



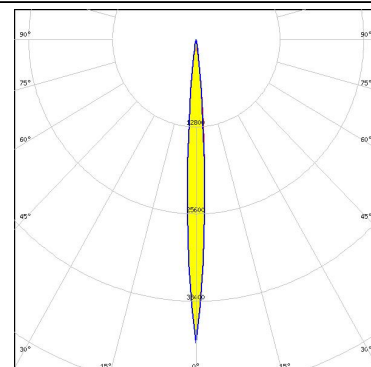
LED XP-G  
FWHM / FWTM 10.0°  
Efficiency 92 %  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G2 HE  
FWHM / FWTM 14.0° / 27.0°  
Efficiency 98 %  
Peak intensity 11.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



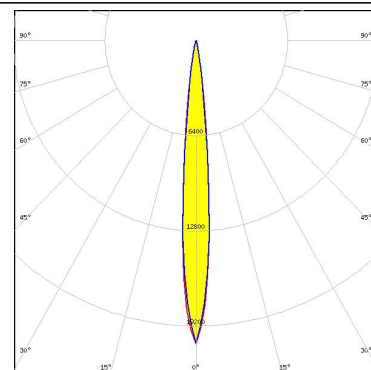
LED XP-P  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 96 %  
Peak intensity 44.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



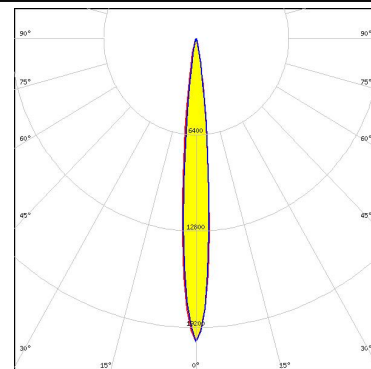
#### OPTICAL RESULTS (SIMULATED):



LED XT-E  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 90 %  
 Peak intensity 20.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 3030 HV  
 FWHM / FWTM 10.0° / 21.0°  
 Efficiency 94 %  
 Peak intensity 21 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON A  
 FWHM / FWTM 11.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON R  
 FWHM / FWTM 11.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### OPTICAL RESULTS (SIMULATED):

##### LUMILEDS

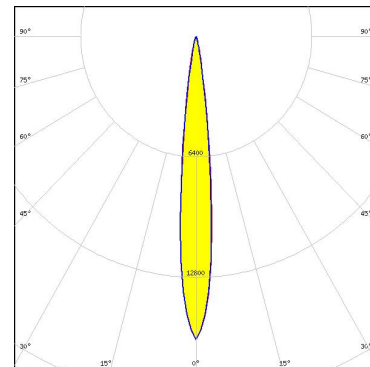
LED LUXEON Rebel  
FWHM / FWTM 9.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour White  
Required components:

##### LUMILEDS

LED LUXEON Rebel ES  
FWHM / FWTM 11.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour White  
Required components:

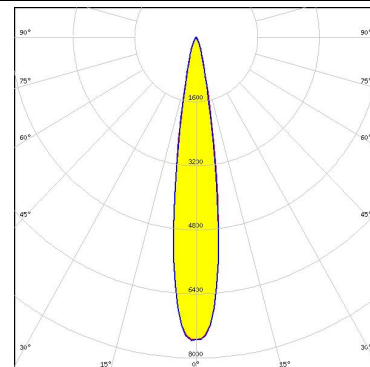
##### LUMILEDS

LED LUXEON T  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 96 %  
Peak intensity 16.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### LUMILEDS

LED LUXEON V  
FWHM / FWTM 17.0° / 31.0°  
Efficiency 94 %  
Peak intensity 7.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

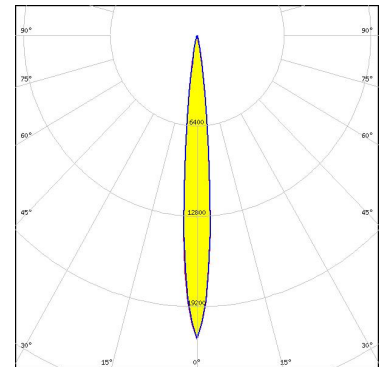




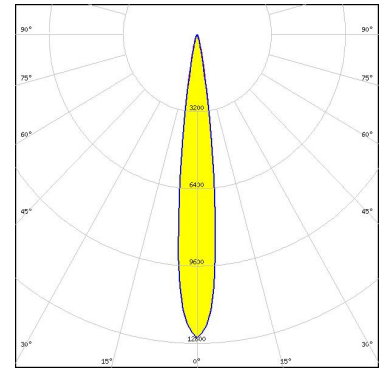
#### OPTICAL RESULTS (SIMULATED):



LED SFT-40-WCS  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 96 %  
Peak intensity 21.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



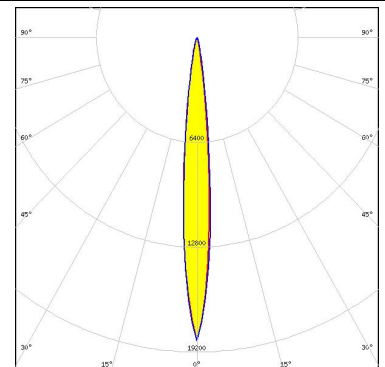
LED SFT-70X-WCS  
FWHM / FWTM 14.0° / 24.0°  
Efficiency 96 %  
Peak intensity 12.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NCSxx19A  
FWHM / FWTM 8.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour White  
Required components:



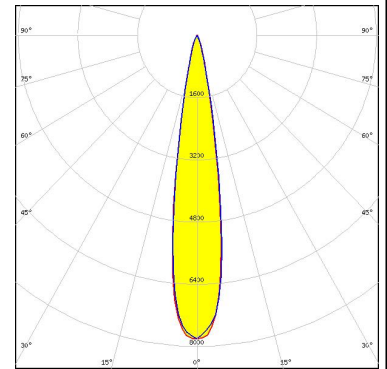
LED NF2x757G  
FWHM / FWTM 10.0° / 21.0°  
Efficiency 96 %  
Peak intensity 18.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



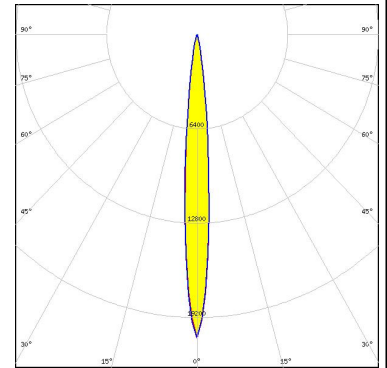
#### OPTICAL RESULTS (SIMULATED):



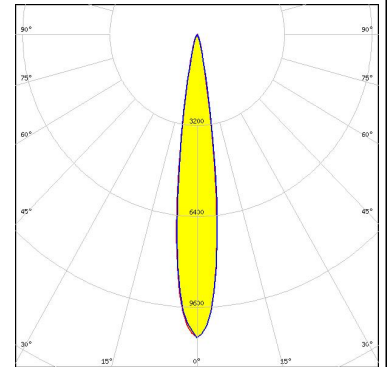
LED NV4WB35AM  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 96 %  
 Peak intensity 7.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxE21A  
 FWHM / FWTM 9.4° / 21.0°  
 Efficiency 94 %  
 Peak intensity 20.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19A  
 FWHM / FWTM 15.0° / 28.0°  
 Efficiency 96 %  
 Peak intensity 10.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



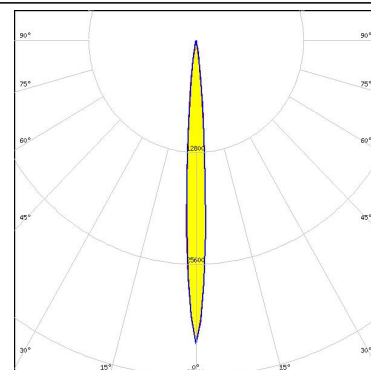
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 11.0°  
 Efficiency 89 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

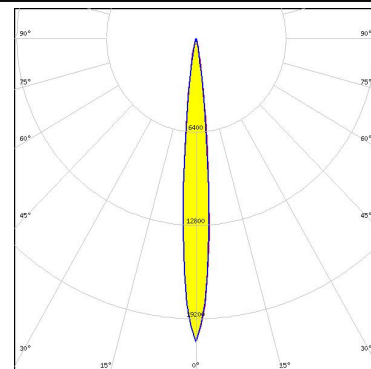
LED OSCONIQ P 3030  
FWHM / FWTM 7.3° / 16.0°  
Efficiency 96 %  
Peak intensity 34.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

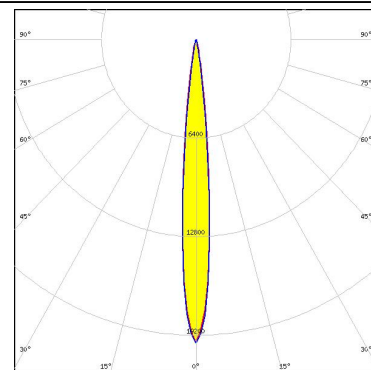
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 94 %  
Peak intensity 20.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

LED OSLON Square EC  
FWHM / FWTM 10.0° / 19.0°  
Efficiency 94 %  
Peak intensity 20.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

LED OSLON Square PC  
FWHM / FWTM 10.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

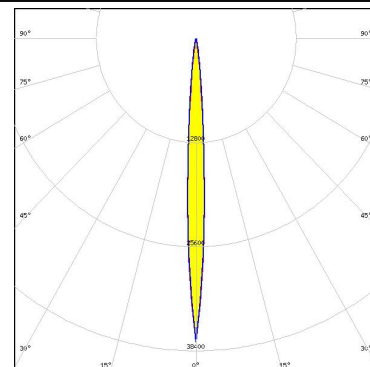
Opto Semiconductors

LED OSLOM SSL 150  
FWHM / FWTM 8.0°  
Efficiency 91 %  
LEDs/each optic 1  
Light colour White  
Required components:

##### OSRAM

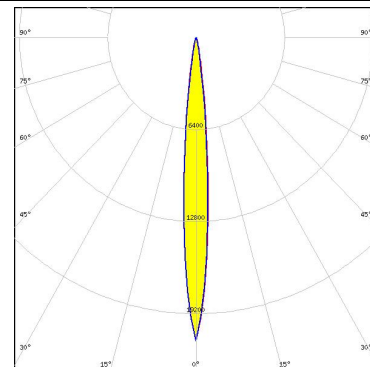
Opto Semiconductors

LED OSLOM SSL 80  
FWHM / FWTM 7.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour White  
Required components:



##### SAMSUNG


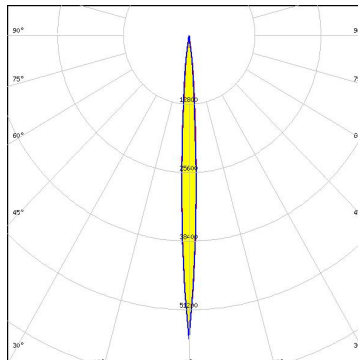

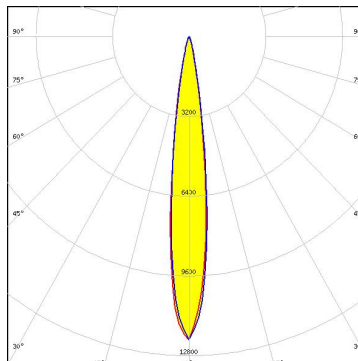

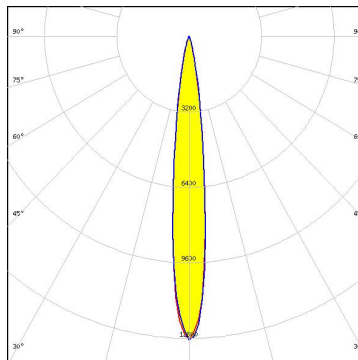
LED LH351B  
FWHM / FWTM 12.0°  
Efficiency 93 %  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED MJT 3030  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 95 %  
Peak intensity 21.1 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:

#### OPTICAL RESULTS (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5</p> <p>FWHM / FWTM 6.0° / 13.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 56.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM 14.0° / 26.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 12.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22T</p> <p>FWHM / FWTM 12.0° / 26.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 12.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

### 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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#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

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Hong Kong, China

#### Distribution Partners

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