

VERONICA-SQ-RS

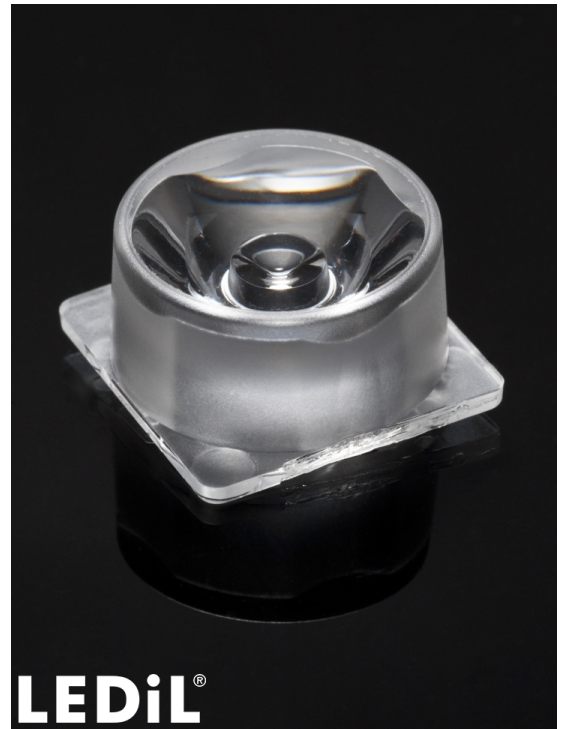
~13° spot beam

TECHNICAL SPECIFICATIONS:

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

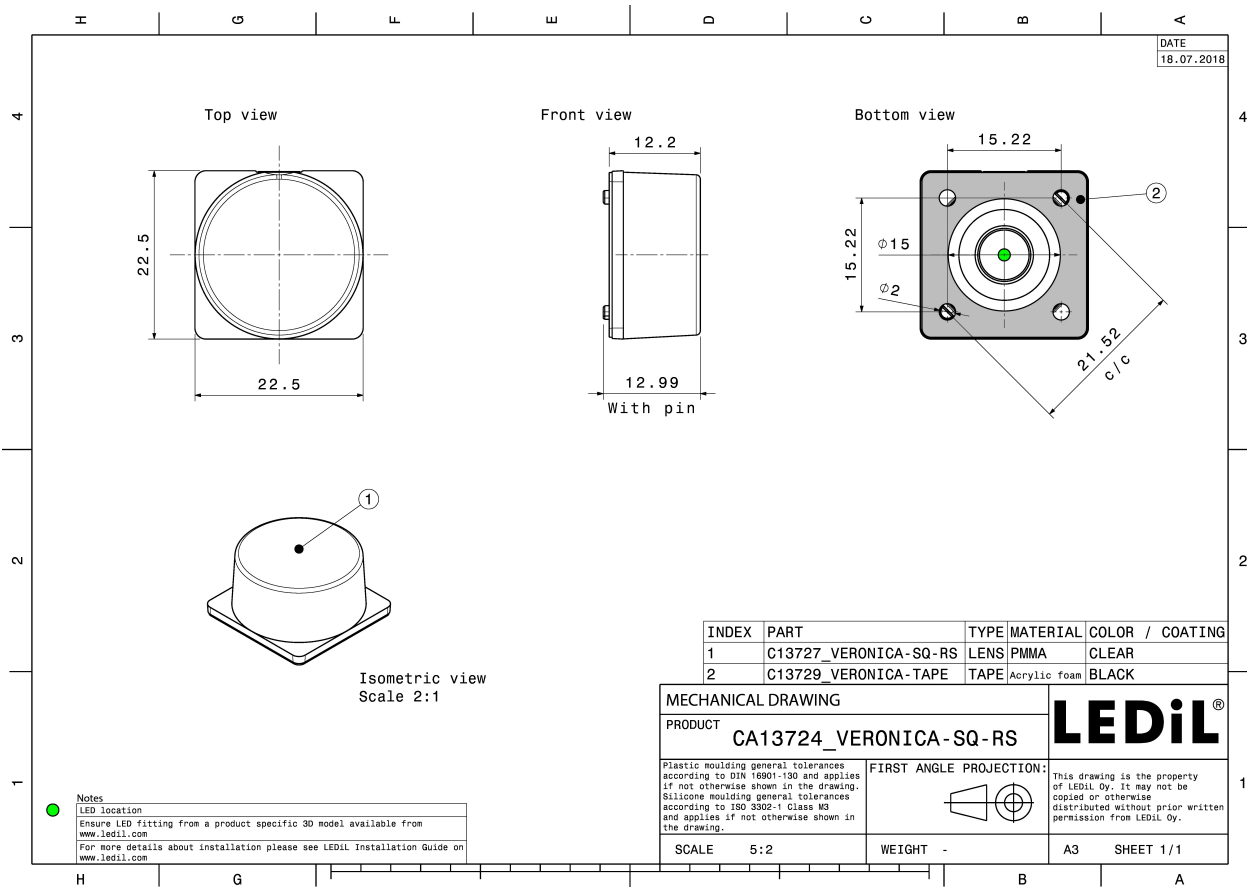
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

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

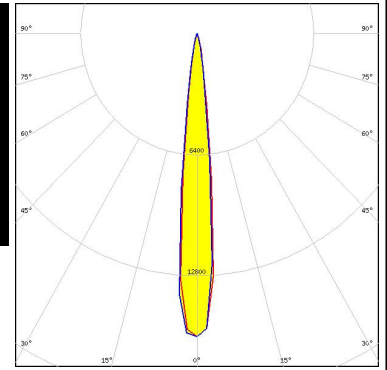
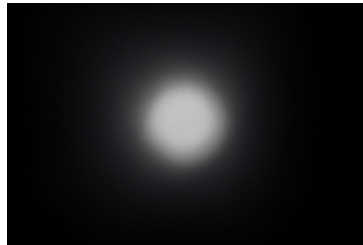


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

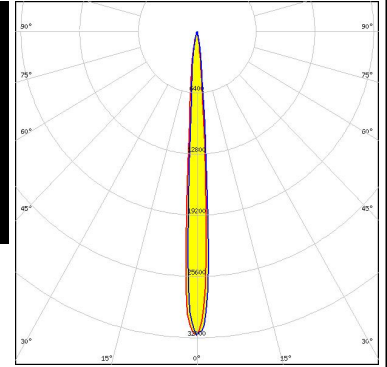
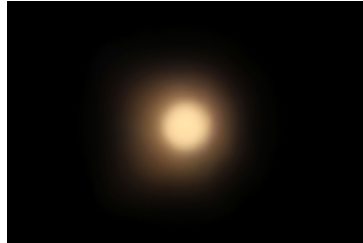
CREE LED

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:



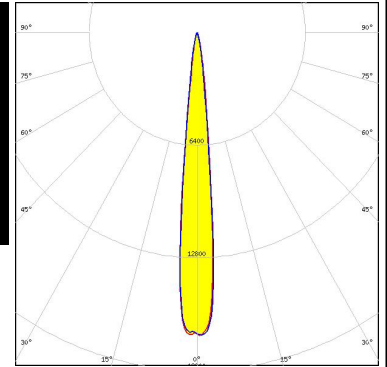
CREE LED

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:



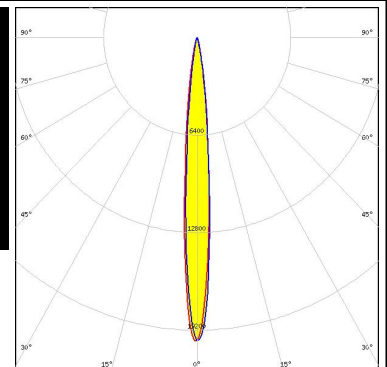
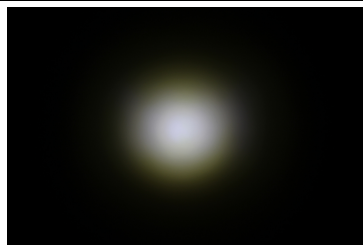
CREE LED

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:



LUMILEDS

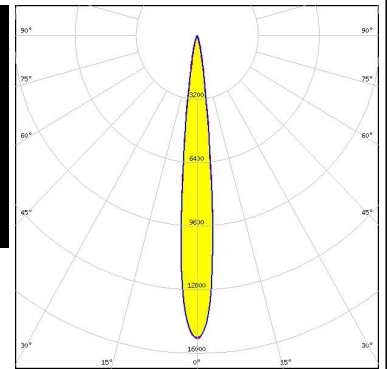
LED LUXEON 3030 2D (Square LES)
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 92 %
 Peak intensity 19.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

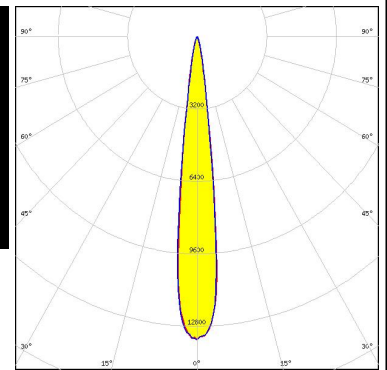
LUMILEDS

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:



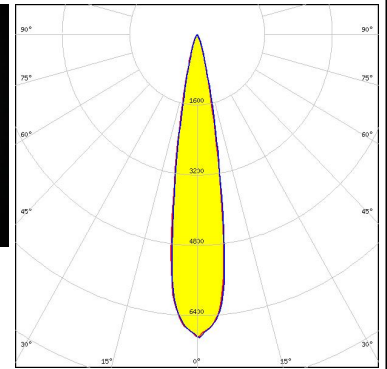
NICHIA

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:



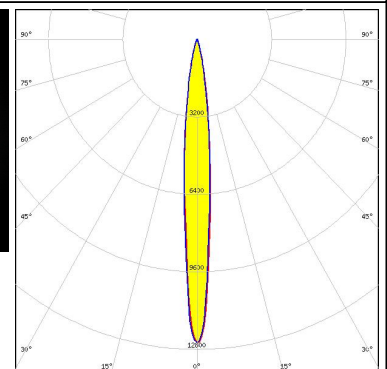
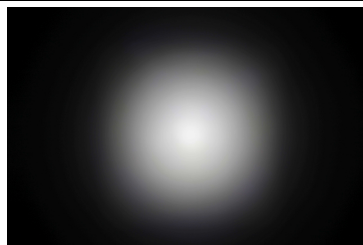
NICHIA

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:



SAMSUNG

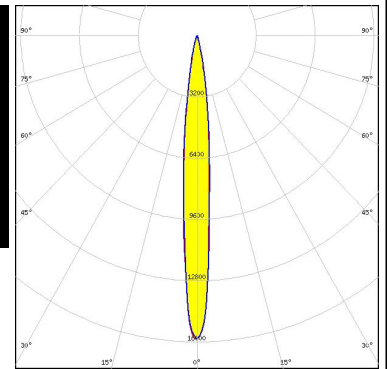
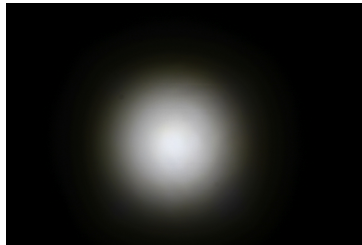
LED LH181A
 FWHM / FWTM 10.0° / 26.0°
 Efficiency 93 %
 Peak intensity 12.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

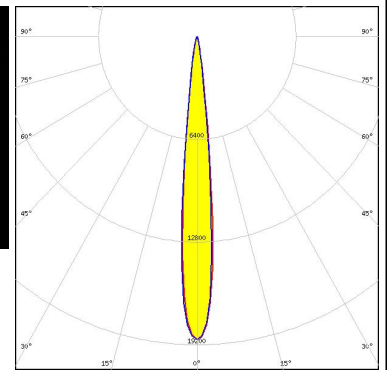
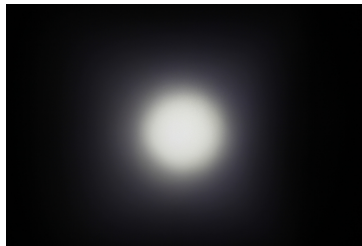
SAMSUNG

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:



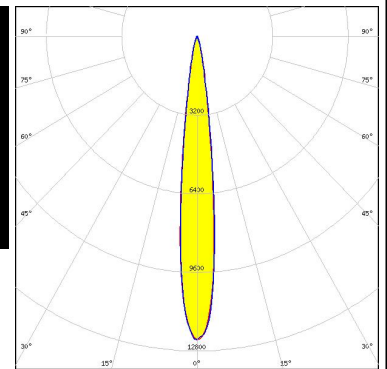
SAMSUNG

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:



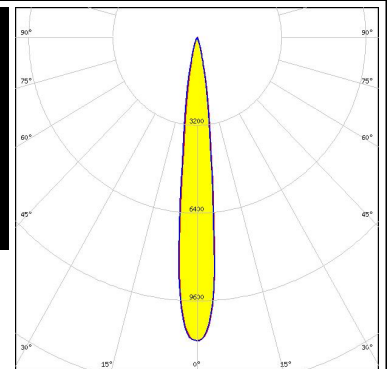
SEOUL SEMICONDUCTOR

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:



SEOUL SEMICONDUCTOR

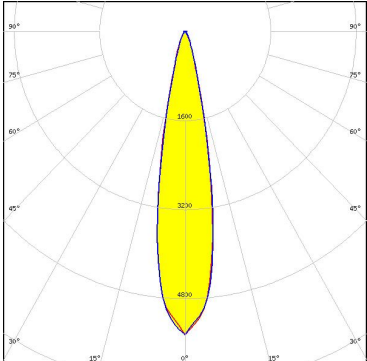
LED Z8Y22P
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 86 %
 Peak intensity 11.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (SIMULATED):

<p>CREE ⇄ LED</p> <p>LED: XHP35.2 FWHM / FWTM: 20.0° / 37.0° Efficiency: 94 % Peak intensity: 5.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE ⇄ LED</p> <p>LED: XM-L FWHM / FWTM: 15.0° Efficiency: 91 % LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE ⇄ LED</p> <p>LED: XM-L2 FWHM / FWTM: 15.0° Efficiency: 92 % LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE ⇄ LED</p> <p>LED: XP-E FWHM / FWTM: 8.0° Efficiency: 92 % LEDs/each optic: 1 Light colour: White Required components:</p>	

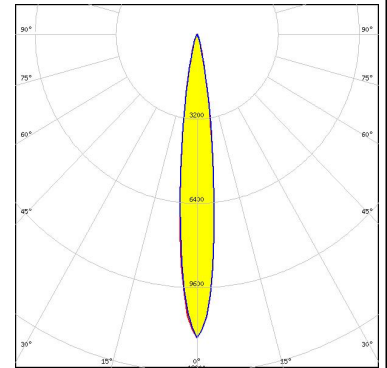
PHOTOMETRIC DATA (SIMULATED):



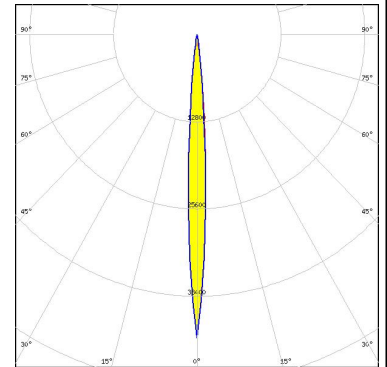
LED XP-G
 FWHM / FWTM 10.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour White
 Required components:



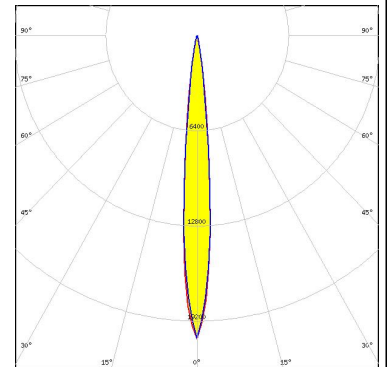
LED XP-G2 HE
 FWHM / FWTM 14.0° / 27.0°
 Efficiency 98 %
 Peak intensity 11.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



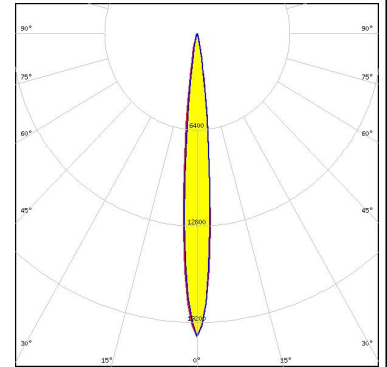
LED XT-E
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 90 %
 Peak intensity 20.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

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:



LUMILEDS

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

LUMILEDS

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

LUMILEDS

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

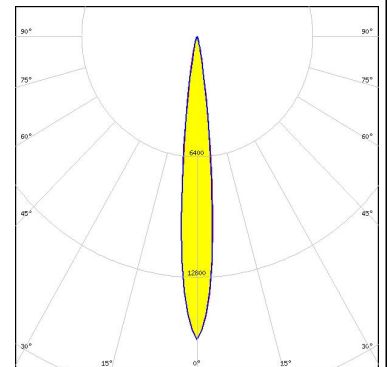
PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

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

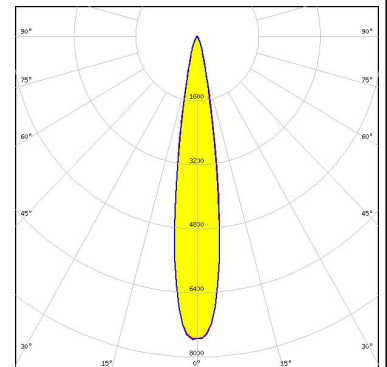
LUMILEDS

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:



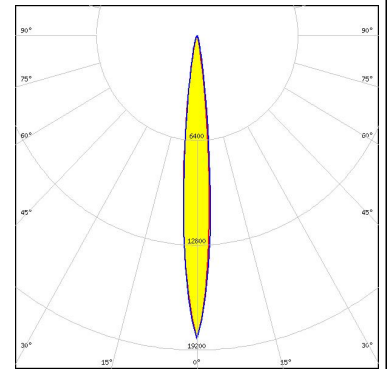
NICHIA

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

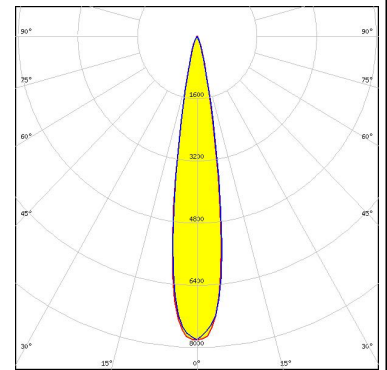
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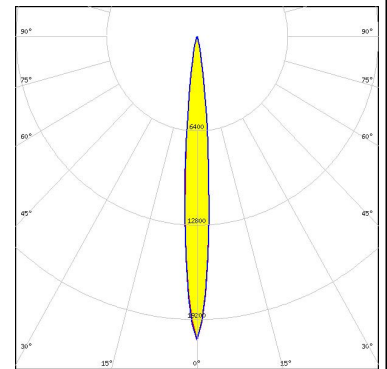
LED NF2x757G
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 96 %
 Peak intensity 18.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



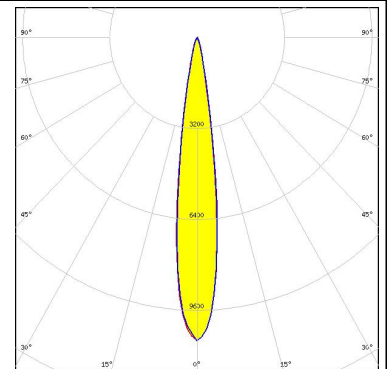
LED NV4WB35AM
 FWHM / FWTM 18.0° / 32.0°
 Efficiency 96 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:





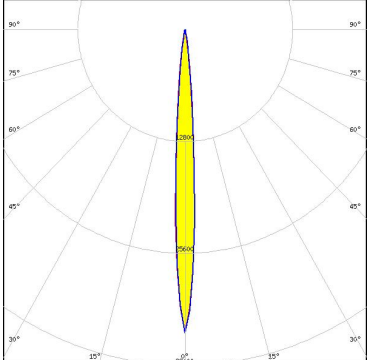

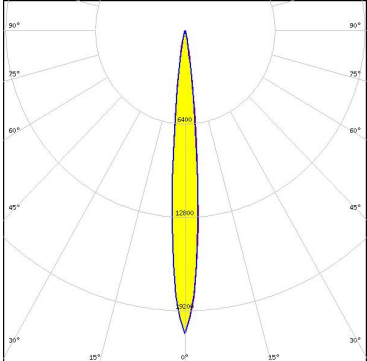

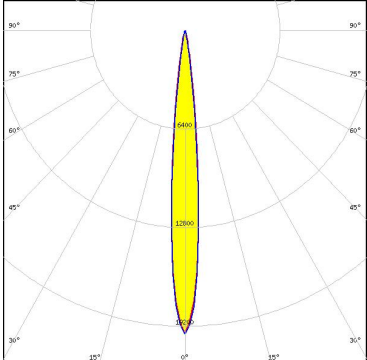
LED NVSxE21A
 FWHM / FWTM 9.4° / 21.0°
 Efficiency 94 %
 Peak intensity 20.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



PHOTOMETRIC DATA (SIMULATED):

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

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

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

OSRAM

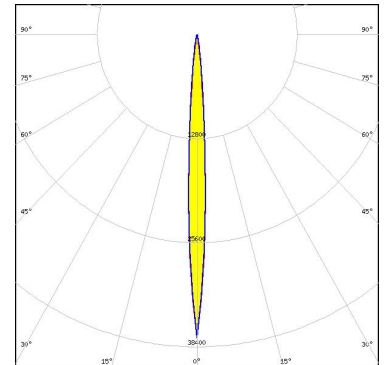
Opto Semiconductors

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

OSRAM

Opto Semiconductors

LED OSLON 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:

PHOTOMETRIC DATA (SIMULATED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED MJT 3030</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 21.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<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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[CA16435_LXP2-SS-WAS](#) [CN16210_GABRIELLA-MIDI-W](#) [CP17137_CARMEN-M2-C](#) [CA16015_STRADA-SQ-SCL](#) [CP17594_TINA-SC-](#)
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