

VERONICA-O

~55° + 10° oval beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 26.0 mm
Height	12.2 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

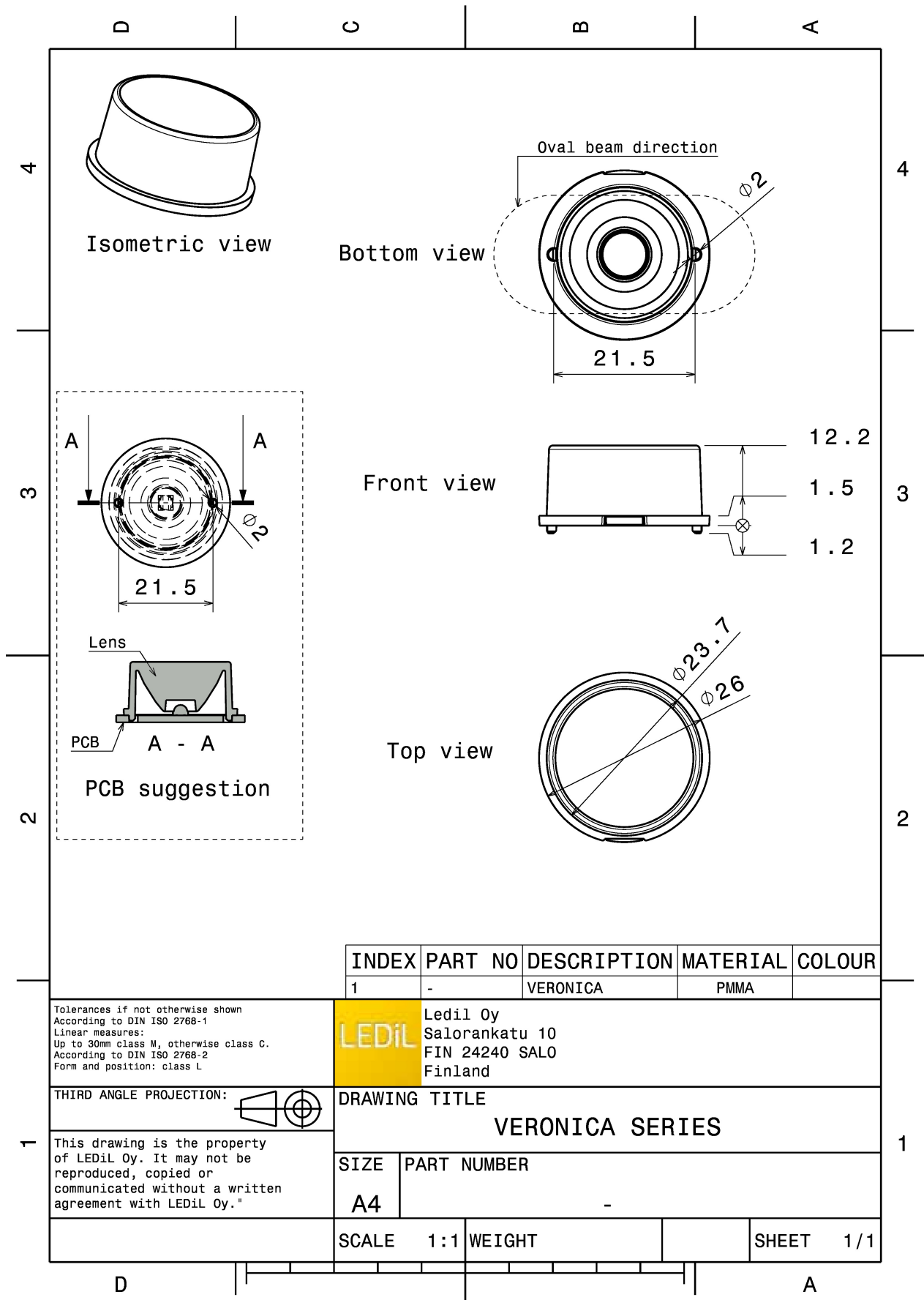
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
VERONICA-O	Single lens	PMMA	clear	



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13529_VERONICA-O » Box size: 480 x 280 x 300 mm	2240	336	112	11.1



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	VERONICA	PMMA	

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

LEDiL Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
VERONICA SERIES

This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."

SIZE	PART NUMBER
A4	-

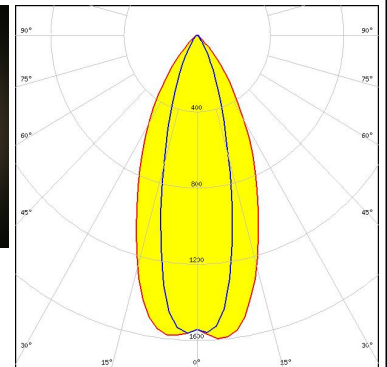
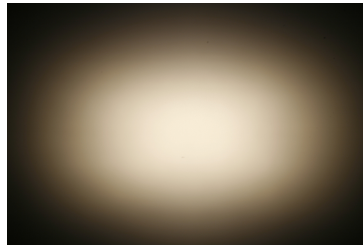
SCALE	1:1	WEIGHT	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

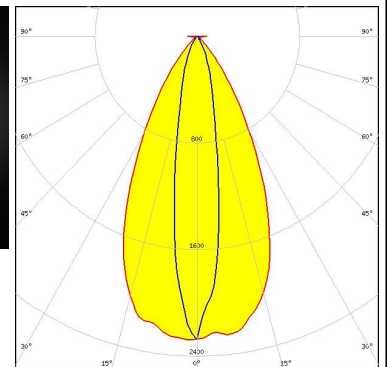
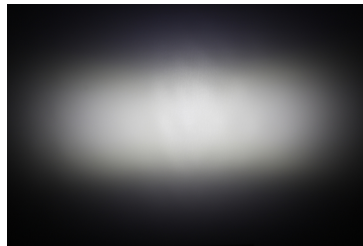
PHOTOMETRIC DATA (MEASURED):



LED MK-R
 FWHM / FWTM 48.0 + 28.0° / 85.0 + 58.0°
 Efficiency 80 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



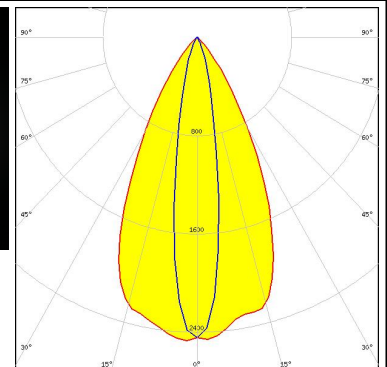
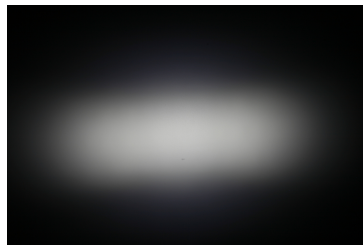
LED XHP35 HD
 FWHM / FWTM 52.0 + 19.0° / 84.0 + 44.0°
 Efficiency 80 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XHP35 HI
 FWHM / FWTM 53.0 + 16.0° / 82.0 + 38.0°
 Efficiency 82 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



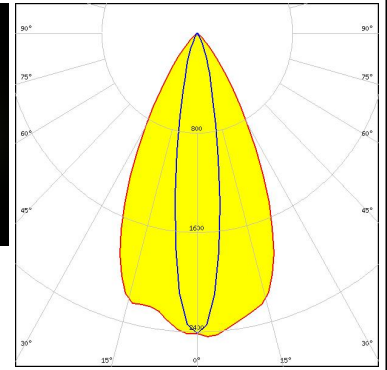
LED XM-L
 FWHM / FWTM 54.0 + 18.0° / 81.0 + 40.0°
 Efficiency 83 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

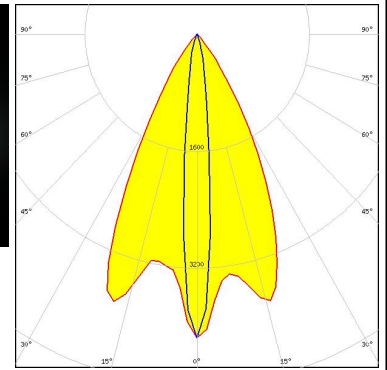
CREE 

LED XM-L2
 FWHM / FWTM 54.0 + 18.0° / 81.0 + 41.0°
 Efficiency 82 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



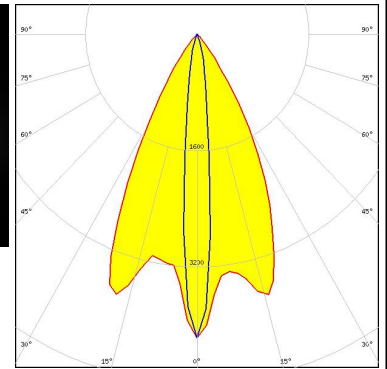
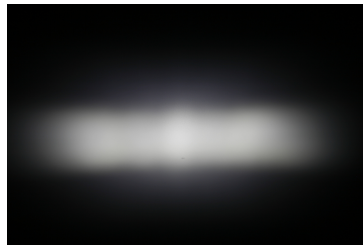
CREE 

LED XP-E
 FWHM / FWTM 54.0 + 11.0° / 76.0 + 26.0°
 Efficiency 83 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



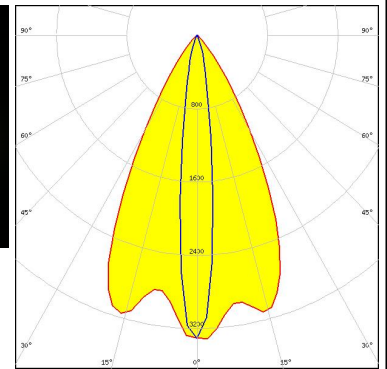
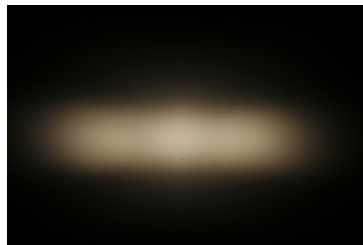
CREE 

LED XP-E2
 FWHM / FWTM 54.0 + 11.0° / 76.0 + 27.0°
 Efficiency 84 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE 

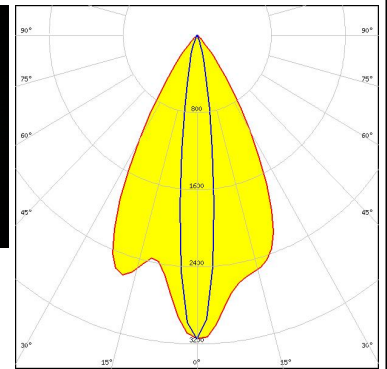
LED XP-G
 FWHM / FWTM 55.0 + 13.0° / 79.0 + 30.0°
 Efficiency 83 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



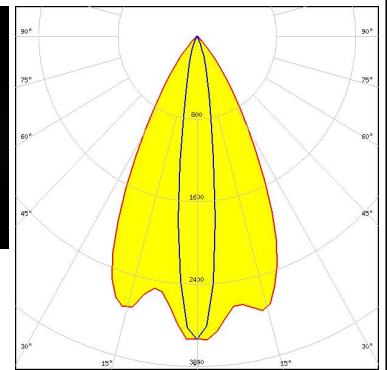
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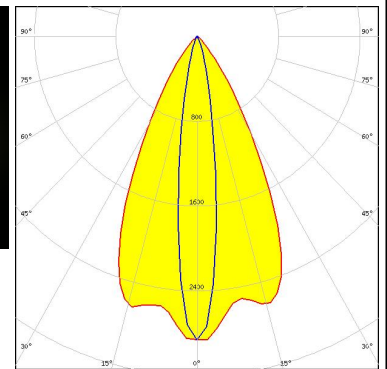
LED XP-G2
 FWHM / FWTM 55.0 + 13.0° / 78.0 + 30.0°
 Efficiency 84 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



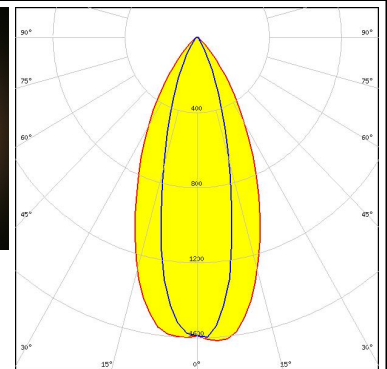
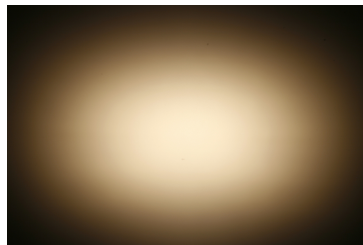
LED XT-E
 FWHM / FWTM 54.0 + 15.0° / 79.0 + 33.0°
 Efficiency 81 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




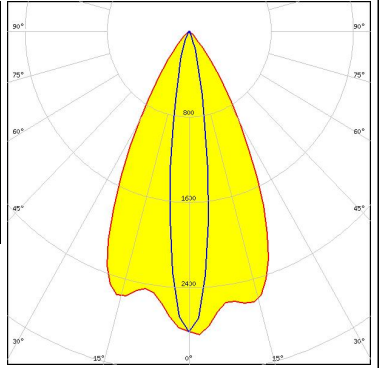

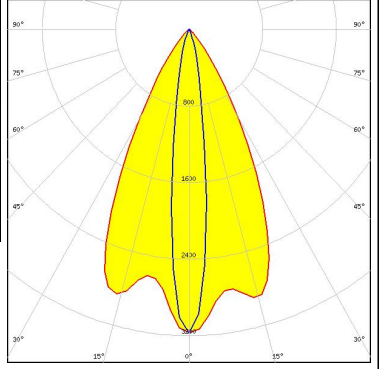

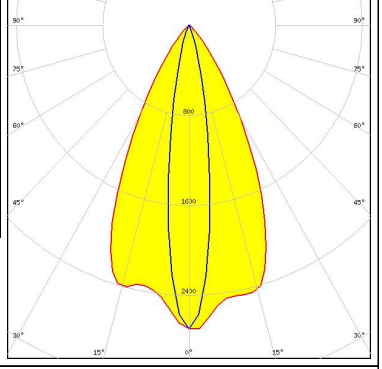

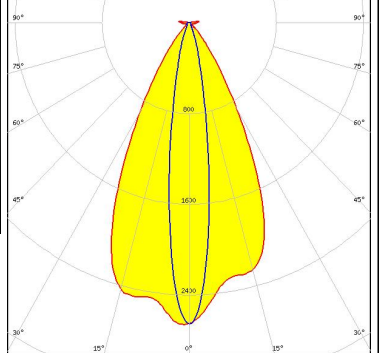
LED LUXEON A
 FWHM / FWTM 54.0 + 15.0° / 79.0 + 33.0°
 Efficiency 82 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



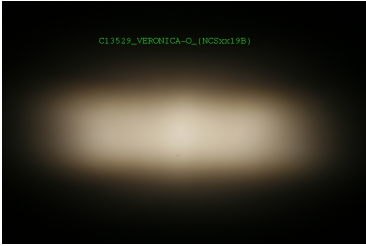
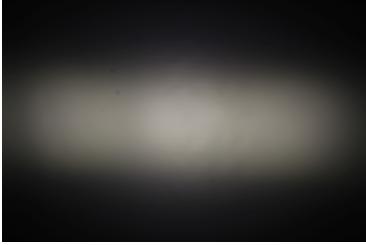
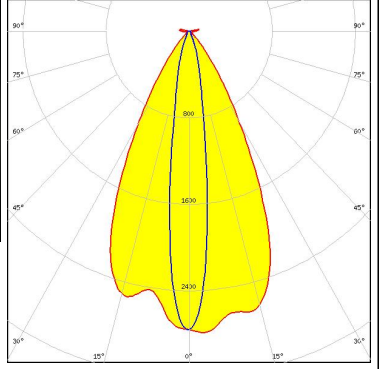
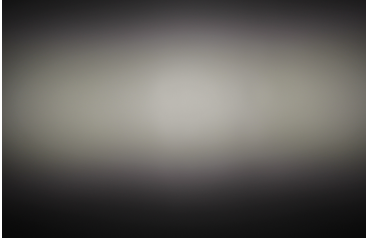
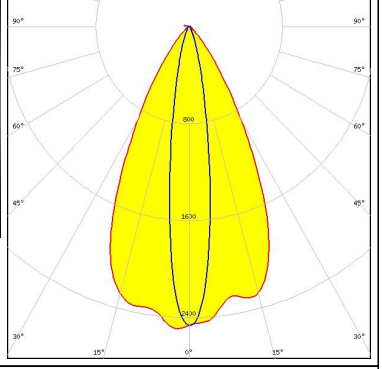

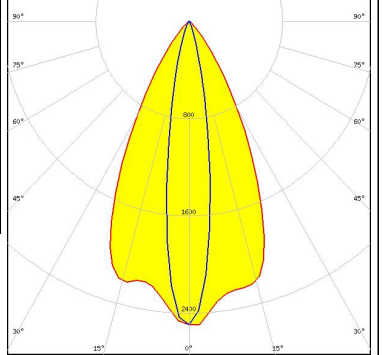
LED LUXEON M/MX
 FWHM / FWTM 49.0 + 28.0° / 84.0 + 57.0°
 Efficiency 79 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON R</p> <p>FWHM / FWTM 54.0 + 16.0° / 79.0 + 34.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Rebel</p> <p>FWHM / FWTM 54.0 + 14.0° / 78.0 + 31.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 3.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Rebel ES</p> <p>FWHM / FWTM 54.0 + 17.0° / 80.0 + 34.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON V2</p> <p>FWHM / FWTM 52.0 + 16.0° / 78.0 + 36.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

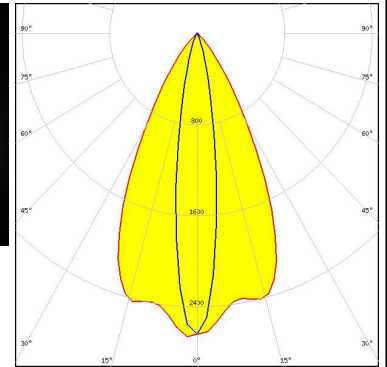
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 52.0 + 15.0° / 80.0 + 32.0° Efficiency 80 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219F FWHM / FWTM 53.0 + 15.0° / 79.0 + 36.0° Efficiency 91 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW3x9A FWHM / FWTM 53.0 + 16.0° / 80.0 + 35.0° Efficiency 80 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19A FWHM / FWTM 53.0 + 18.0° / 80.0 + 36.0° Efficiency 79 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

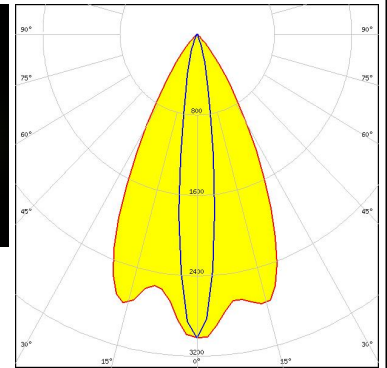
PHOTOMETRIC DATA (MEASURED):



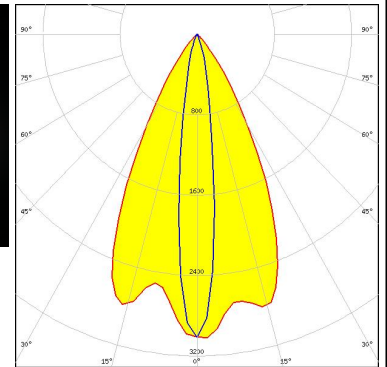
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 54.0 + 17.0° / 79.0 + 35.0°
 Efficiency 79 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



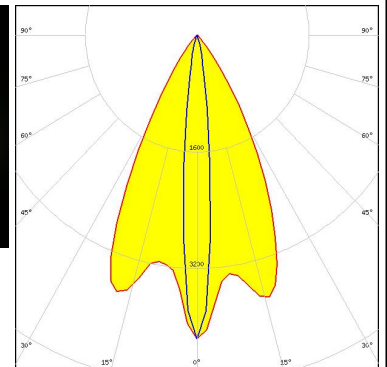
LED OSLOM Square EC
 FWHM / FWTM 54.0 + 14.0° / 79.0 + 32.0°
 Efficiency 81 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSLOM Square PC
 FWHM / FWTM 54.0 + 15.0° / 79.0 + 32.0°
 Efficiency 81 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



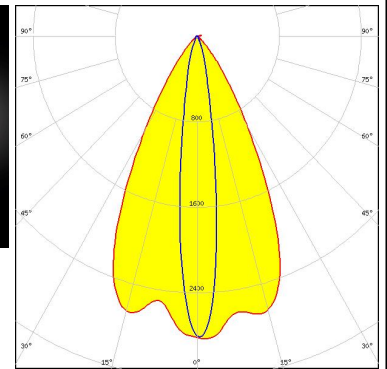
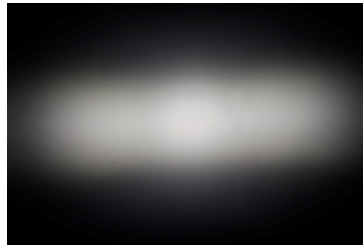
LED OSLOM SSL 150
 FWHM / FWTM 54.0 + 11.0° / 76.0 + 24.0°
 Efficiency 83 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

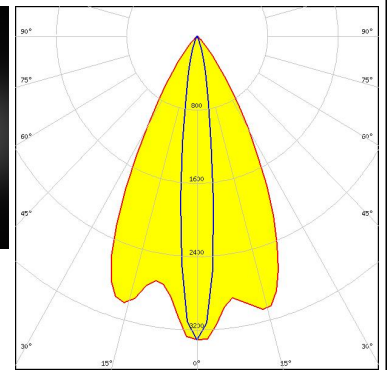
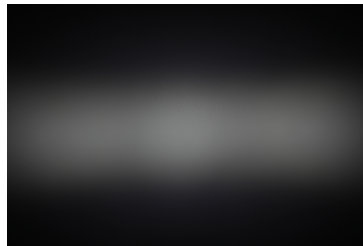
SAMSUNG

LED LH351B
 FWHM / FWTM 54.0 + 14.0° / 79.0 + 33.0°
 Efficiency 84 %
 Peak intensity 2.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



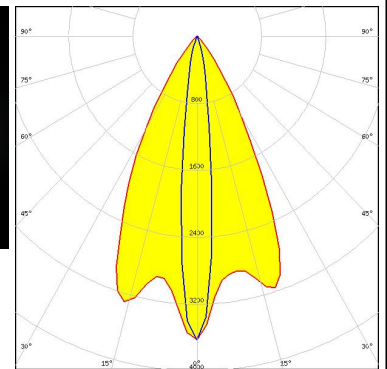
SAMSUNG

LED LH351Z
 FWHM / FWTM 54.0 + 13.0° / 78.0 + 31.0°
 Efficiency 83 %
 Peak intensity 3.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



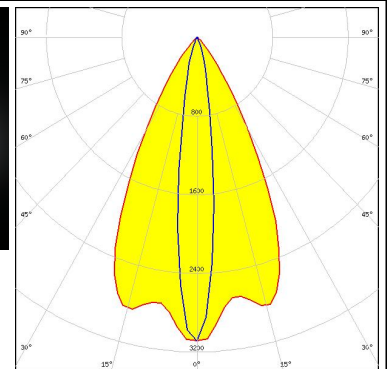
SEOUL SEMICONDUCTOR

LED Z5
 FWHM / FWTM 54.0 + 13.0° / 77.0 + 28.0°
 Efficiency 83 %
 Peak intensity 3.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



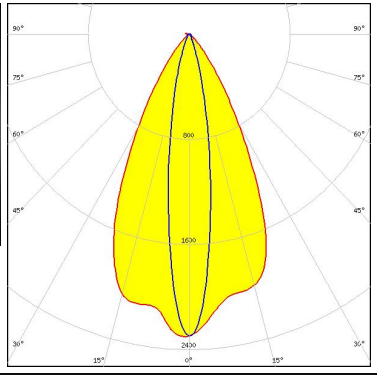


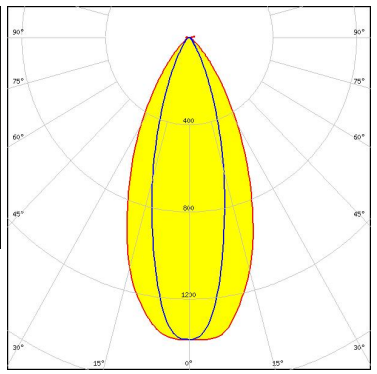


SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
 FWHM / FWTM 54.0 + 15.0° / 79.0 + 33.0°
 Efficiency 83 %
 Peak intensity 3.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



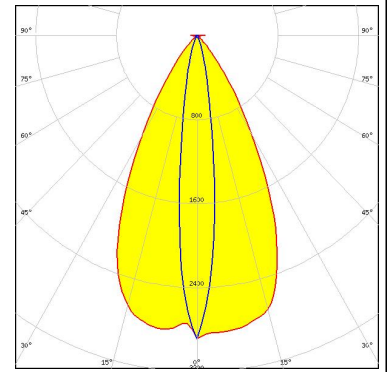
PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 52.0 + 17.0° / 79.0 + 37.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 2.3 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 48.0 + 29.0° / 84.0 + 58.0°</p> <p>Efficiency 73 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

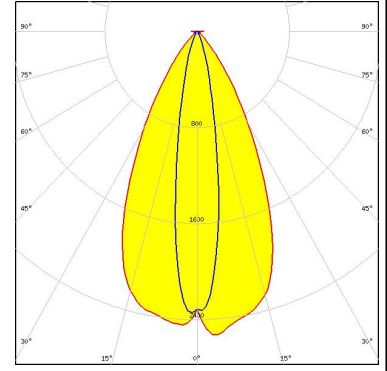
PHOTOMETRIC DATA (SIMULATED):



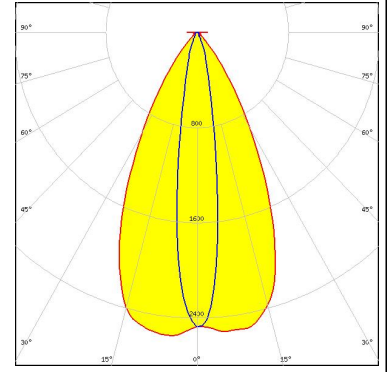
LED XP-G2 HE
 FWHM / FWTM 54.0 + 14.0° / 80.0 + 32.0°
 Efficiency 90 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



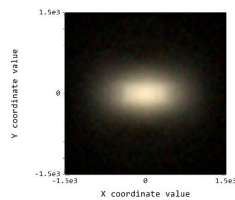
LED NV4WB35AM
 FWHM / FWTM 52.0 + 18.0° / 82.0 + 38.0°
 Efficiency 91 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



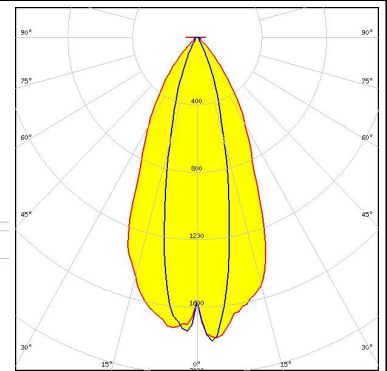
LED NVSW519A
 FWHM / FWTM 54.0 + 16.0° / 82.0 + 37.0°
 Efficiency 91 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 7070
 FWHM / FWTM 48.0 + 25.0° / 85.0 + 50.0°
 Efficiency 85 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



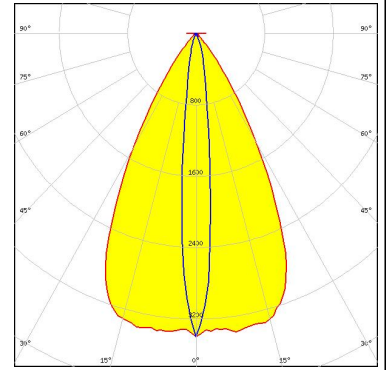
detector image: illuminance
 25.4.2020
 Detector: 0, 1000 Surface: 1
 Size: 1000 pixel x 1000 pixel - illumination: 1000 lux
 Max. illuminance: 100000 lux
 Total Power: 1.9000000000000000
 C13529_VERONICA_O_D0135_FWHM_200
 Configuration: 1 of 1



PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

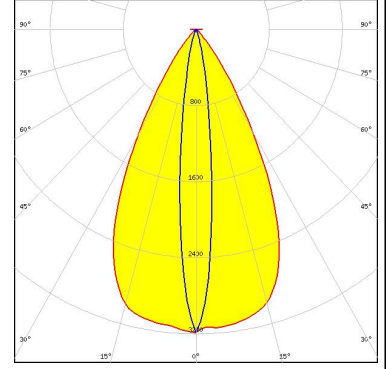
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 57.0 + 11.0° / 80.0 + 26.0°
 Efficiency 92 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOL

SEOUL SEMICONDUCTOR

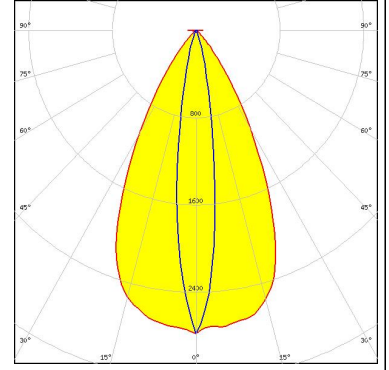
LED MJT 3030
 FWHM / FWTM 56.0 + 12.0° / 78.0 + 28.0°
 Efficiency 90 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOL

SEOUL SEMICONDUCTOR

LED Z5M4
 FWHM / FWTM 54.0 + 14.0° / 80.0 + 32.0°
 Efficiency 90 %
 Peak intensity 2.8 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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LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

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FI-24240 SALO
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Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)