

VERONICA-O

~55° + 10° oval beam

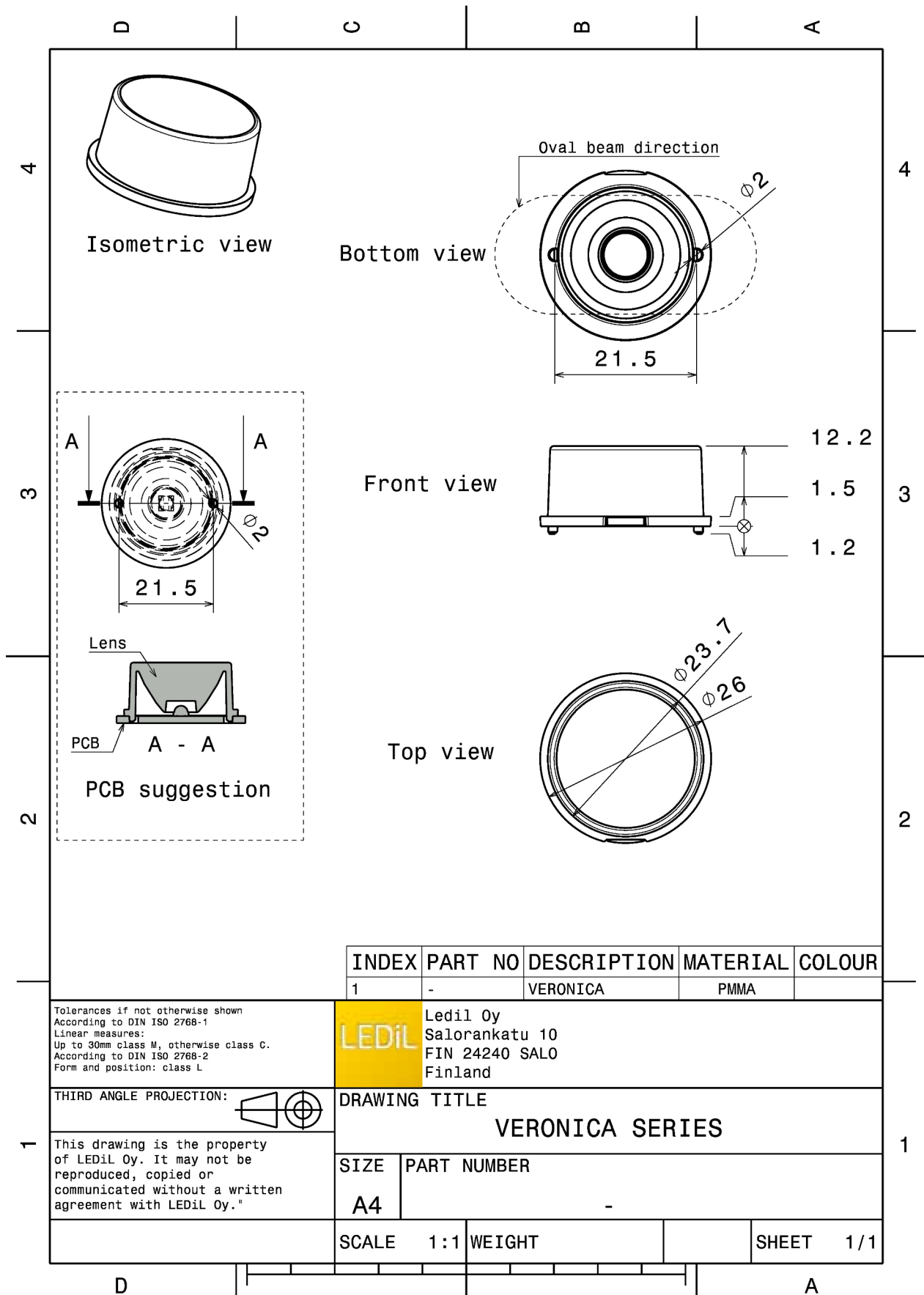
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 26.0 mm
Height	12.2 mm
Fastening	glue, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	10 kg
Quantity in Box	1980 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

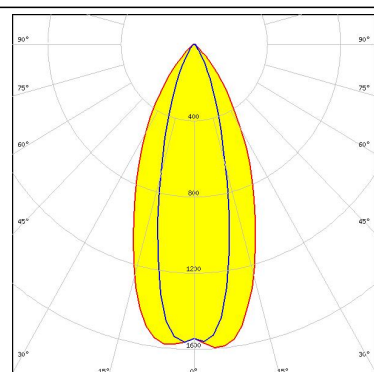
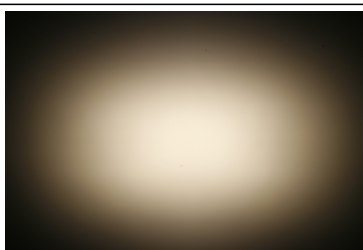
Component	Type	Material	Colour
VERONICA-O	Single lens	PMMA	clear



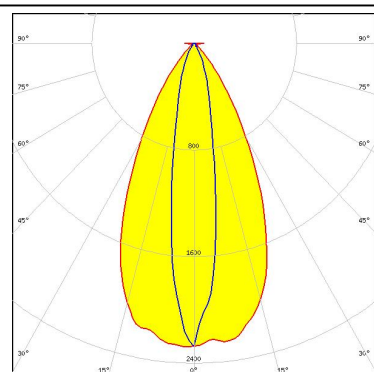
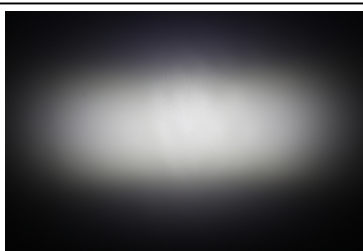
PHOTOMETRIC DATA (MEASURED):



LED MK-R
FWHM 48.0 + 28.0°
Efficiency 80 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



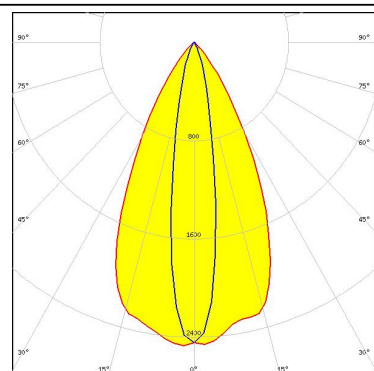
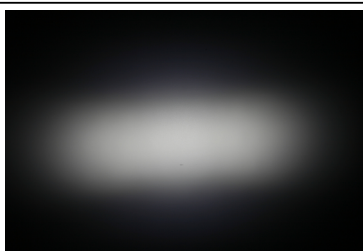
LED XHP35 HD
FWHM 52.0 + 19.0°
Efficiency 80 %
Peak intensity 2.260 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XHP35 HI
FWHM 53.0 + 16.0°
Efficiency 82 %
Peak intensity 2.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



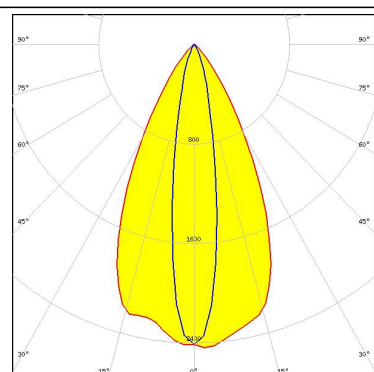
LED XM-L
FWHM 54.0 + 18.0°
Efficiency 83 %
Peak intensity 2.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



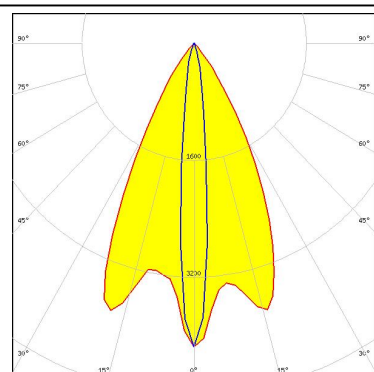
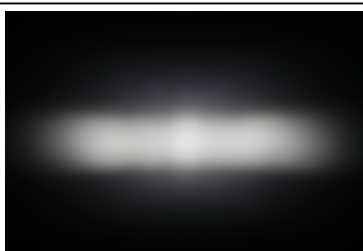
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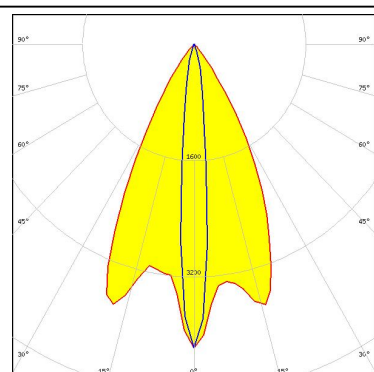
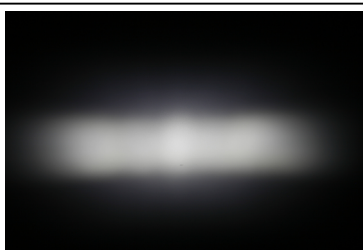
LED XM-L2
FWHM 54.0 + 18.0°
Efficiency 82 %
Peak intensity 2.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



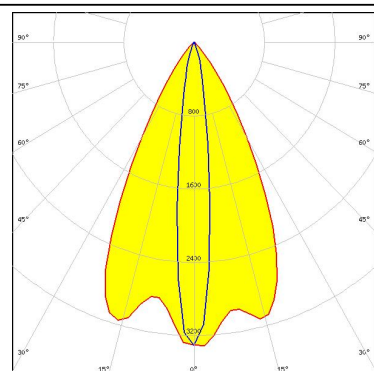
LED XP-E
FWHM 54.0 + 11.0°
Efficiency 83 %
Peak intensity 4.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E2
FWHM 54.0 + 11.0°
Efficiency 84 %
Peak intensity 4.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



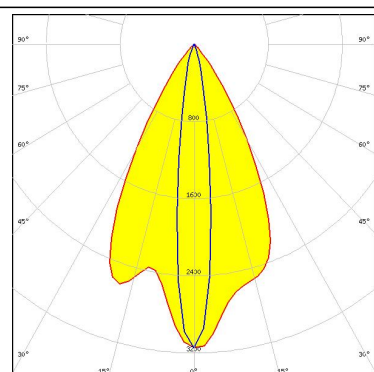
LED XP-G
FWHM 55.0 + 13.0°
Efficiency 83 %
Peak intensity 3.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



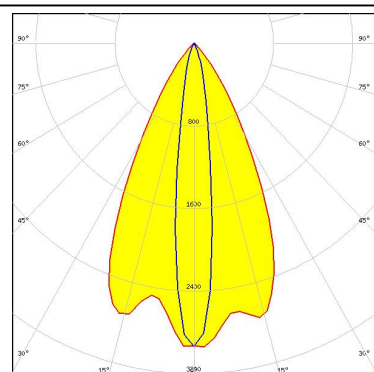
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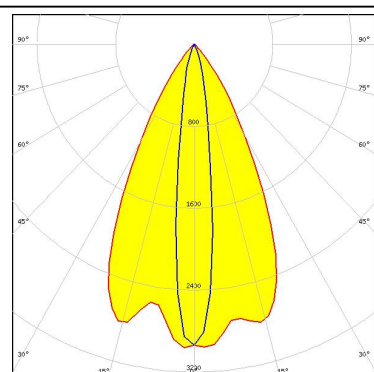
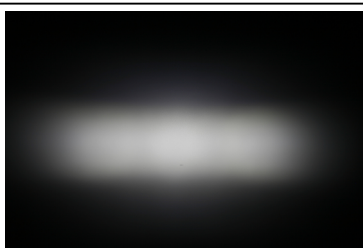
LED XP-G2
FWHM 55.0 + 13.0°
Efficiency 84 %
Peak intensity 3.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



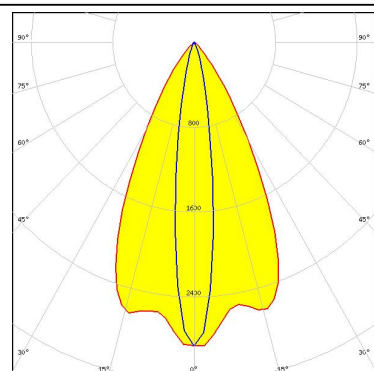
LED XT-E
FWHM 54.0 + 15.0°
Efficiency 81 %
Peak intensity 2.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED H35C0 (LEMWA33)
FWHM 55.0 + 15.0°
Efficiency 81 %
Peak intensity 3.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



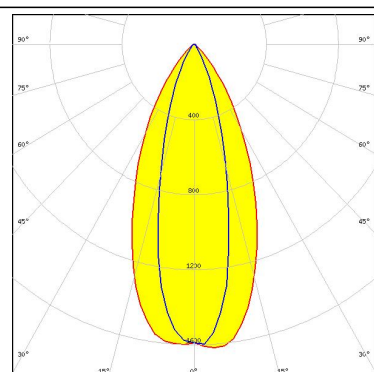
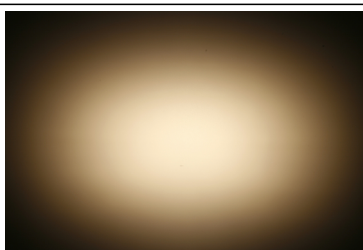
LED LUXEON A
FWHM 54.0 + 15.0°
Efficiency 82 %
Peak intensity 2.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

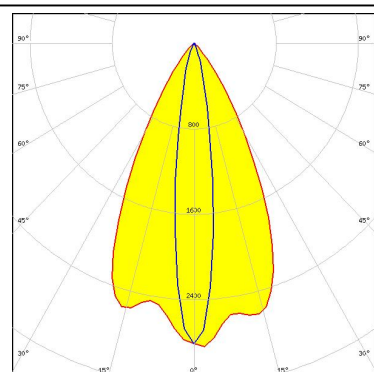
LUMILEDS

LED LUXEON M/MX
FWHM 49.0 + 28.0°
Efficiency 79 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



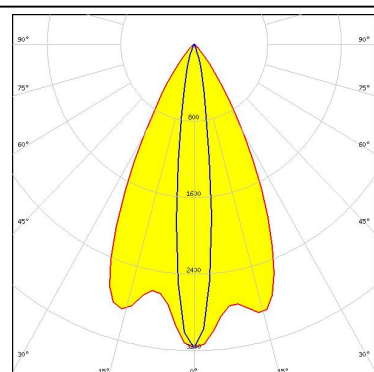
LUMILEDS

LED LUXEON R
FWHM 54.0 + 16.0°
Efficiency 81 %
Peak intensity 2.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



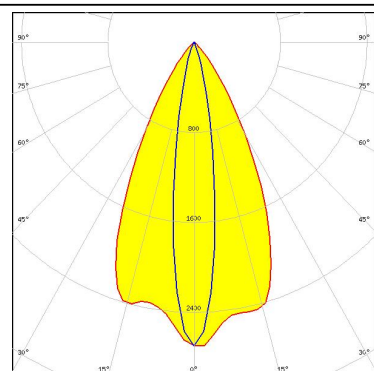
LUMILEDS

LED LUXEON Rebel
FWHM 54.0 + 14.0°
Efficiency 82 %
Peak intensity 3.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

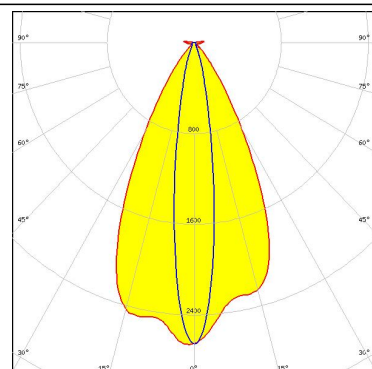
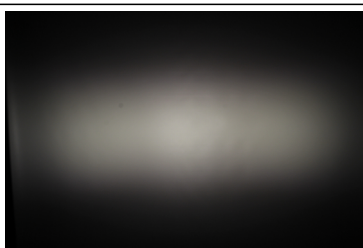
LED LUXEON Rebel ES
FWHM 54.0 + 17.0°
Efficiency 81 %
Peak intensity 2.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



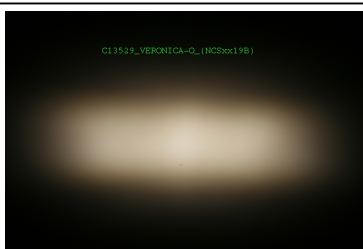
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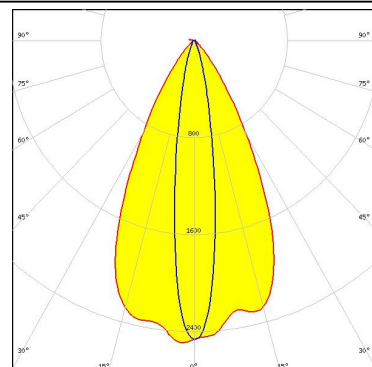
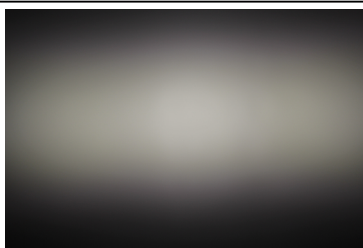
LED LUXEON V2
FWHM 52.0 + 16.0°
Efficiency 90 %
Peak intensity 2.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



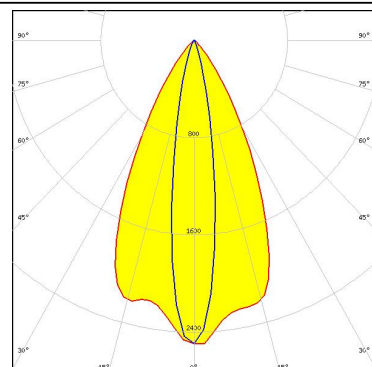
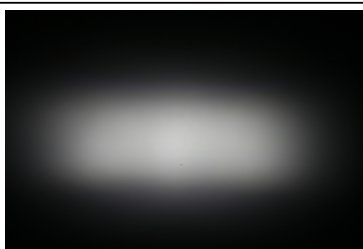
LED NCSxx19B
FWHM 52.0 + 15.0°
Efficiency 80 %
Peak intensity 2.970 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW3x9A
FWHM 53.0 + 16.0°
Efficiency 80 %
Peak intensity 2.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



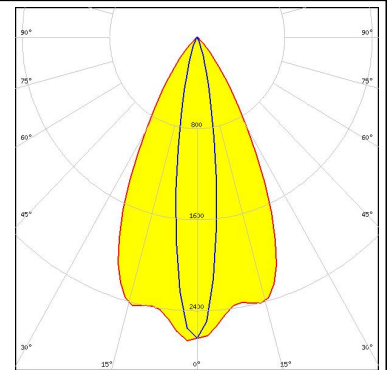
LED NVSxx19A
FWHM 53.0 + 18.0°
Efficiency 79 %
Peak intensity 2.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



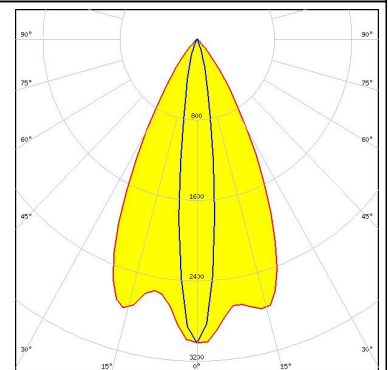
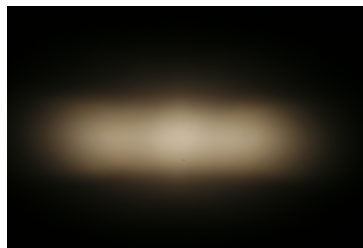
PHOTOMETRIC DATA (MEASURED):



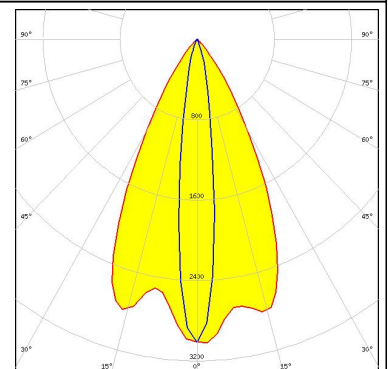
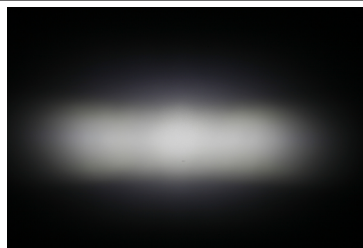
LED NVSxx19B/NVSxx19C
 FWHM 54.0 + 17.0°
 Efficiency 79 %
 Peak intensity 2.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



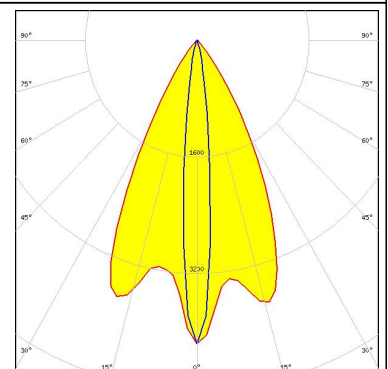
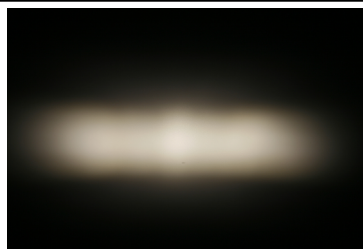
LED Oslon Square EC
 FWHM 54.0 + 14.0°
 Efficiency 81 %
 Peak intensity 3.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Oslon Square PC
 FWHM 54.0 + 15.0°
 Efficiency 81 %
 Peak intensity 3.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



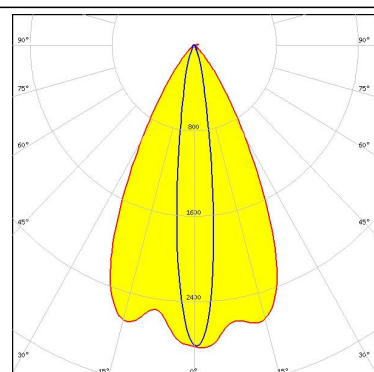
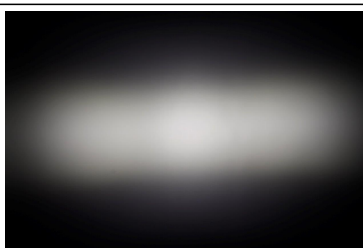
LED Oslon SSL 150
 FWHM 54.0 + 11.0°
 Efficiency 83 %
 Peak intensity 4.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

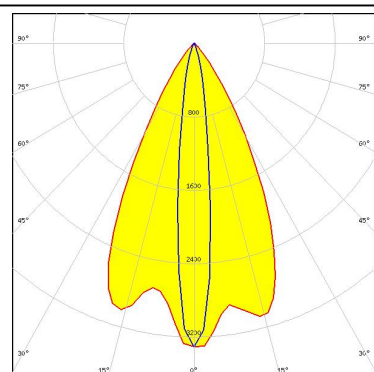
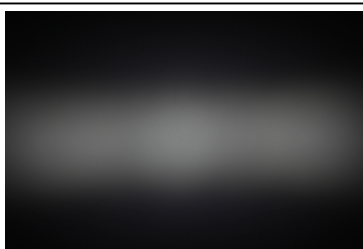
SAMSUNG

LED LH351B
FWHM 54.0 + 14.0°
Efficiency 84 %
Peak intensity 2.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



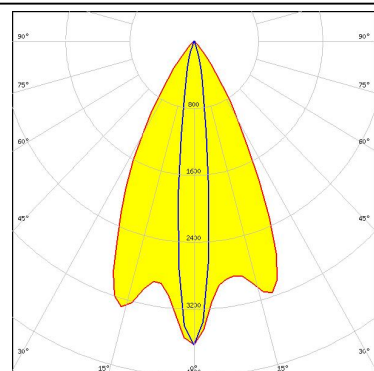
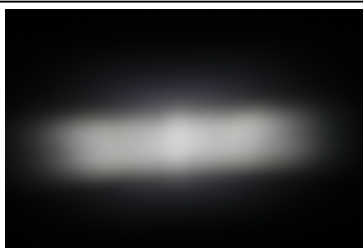
SAMSUNG

LED LH351Z
FWHM 54.0 + 13.0°
Efficiency 83 %
Peak intensity 3.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



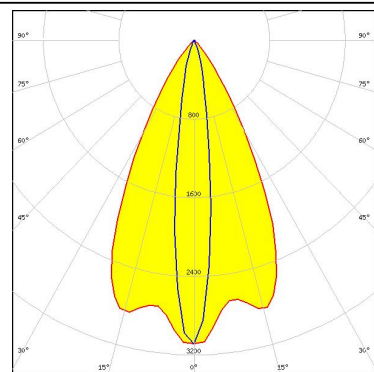
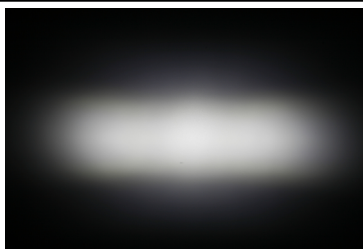
SEOUL SEMICONDUCTOR

LED Z5
FWHM 54.0 + 13.0°
Efficiency 83 %
Peak intensity 3.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
FWHM 54.0 + 15.0°
Efficiency 83 %
Peak intensity 3.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



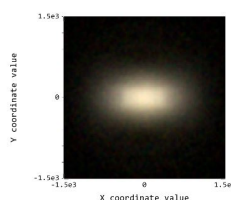
PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR LED Z8Y22P FWHM 52.0 + 17.0° Efficiency 77 % Peak intensity 2.300 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR LED Z8Y50P FWHM 48.0 + 29.0° Efficiency 73 % Peak intensity 1.400 cd/lm LEDs/each optic 1 Light colour White Required components:		

PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
FWHM 48.0 + 25.0°
Efficiency 85 %
Peak intensity 1.850 cd/lm
LEDs/each optic 1
Light colour White
Required components:

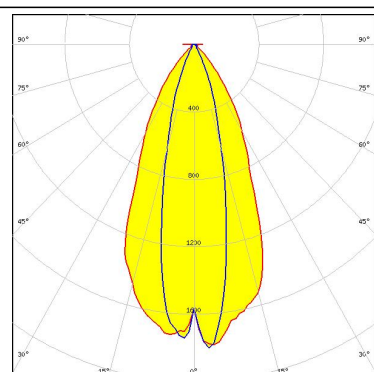


detector image: illuminance

OSRAM
Opto Semiconductors

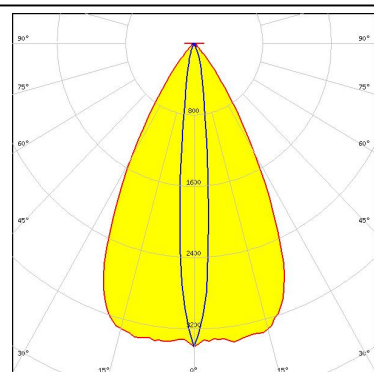
OSCONIQ P 7070
Beam spread: 48.0 + 25.0°
Peak intensity: 1.850 cd/lm
Total Power: 1.850 W

C13529_VERONICA-O_SURF_P7070_2016
Configuration: 1.00.1



OSRAM
Opto Semiconductors

LED Oslon Square Gen3
FWHM 57.0 + 11.0°
Efficiency 92 %
Peak intensity 3.400 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

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