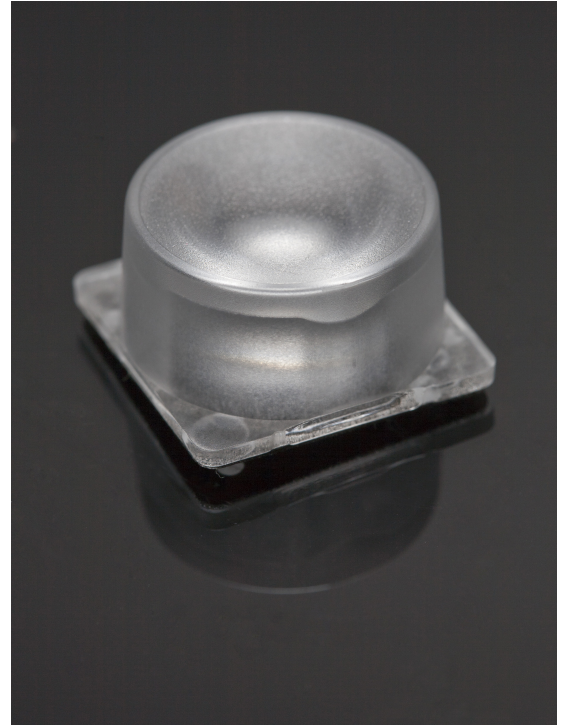


VERONICA-SQ-W

~50° wide beam

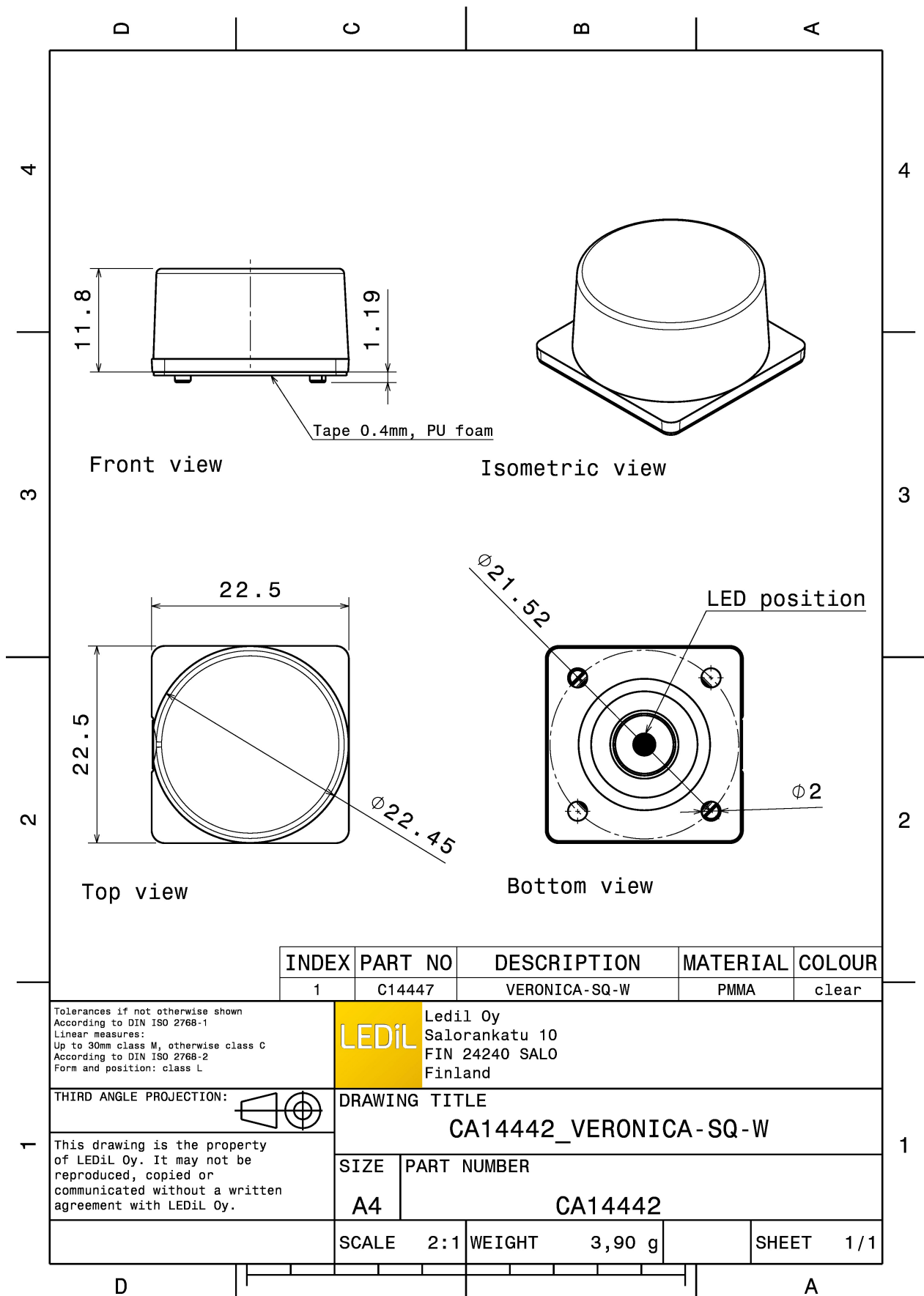
TECHNICAL SPECIFICATIONS:

Dimensions	22.5 mm
Height	11.8 mm
Fastening	tape
Colour	clear
Box size	476 x 273 x 197 mm
Box weight	8.8 kg
Quantity in Box	1980 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

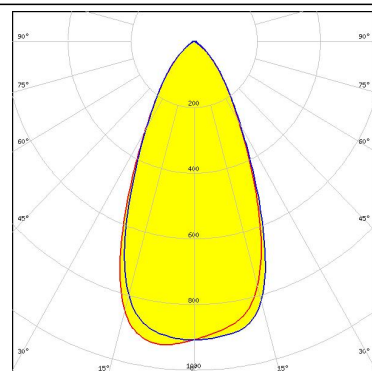
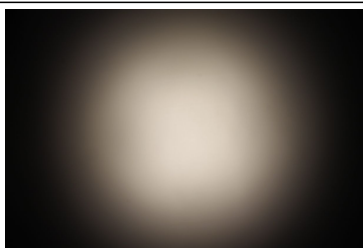
Component	Type	Material	Colour
VERONICA-SQ-W	Single lens	PMMA	clear
VERONICA-TAPE	Tape	PU tape	clear



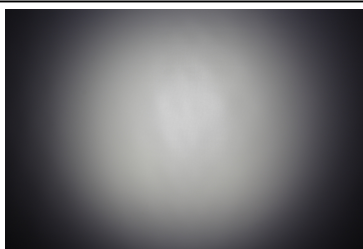
PHOTOMETRIC DATA (MEASURED):



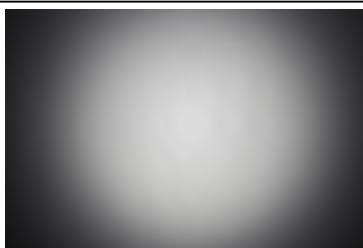
LED XB-H
FWHM 50.0°
Efficiency 80 %
Peak intensity 0.940 cd/lm
LEDs/each optic 1
Light colour White
Required components:



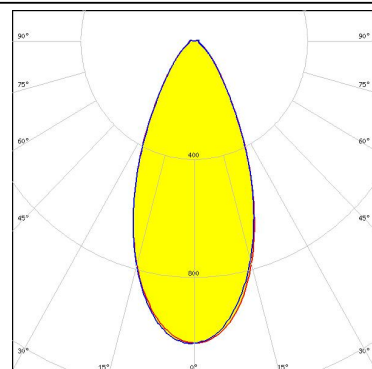
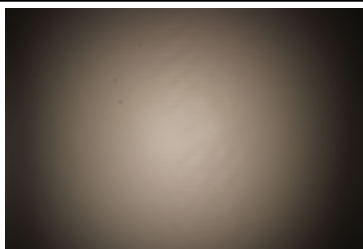
LED XHP35 HD
FWHM 52.0°
Efficiency 78 %
Peak intensity 0.950 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XHP35 HI
FWHM 49.0°
Efficiency 81 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



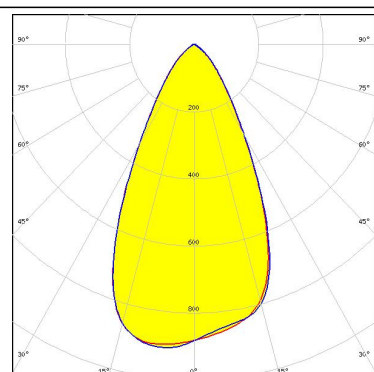
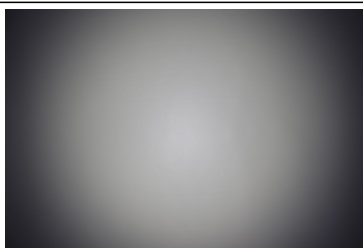
LED XHP50.2
FWHM 47.0°
Efficiency 86 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



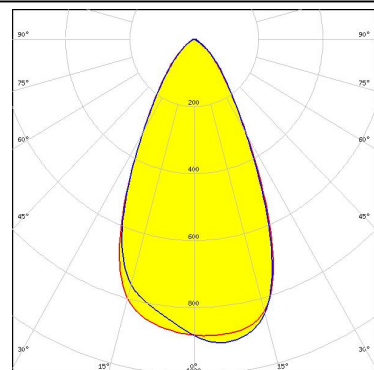
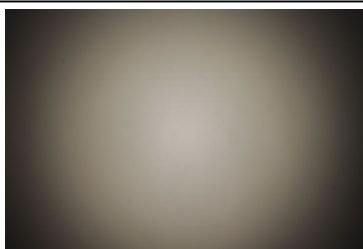
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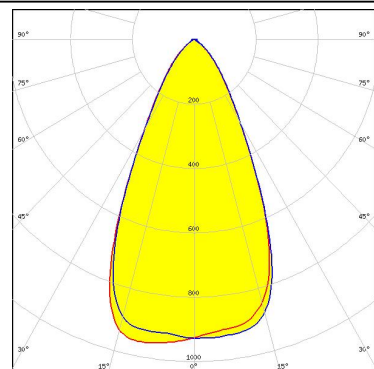
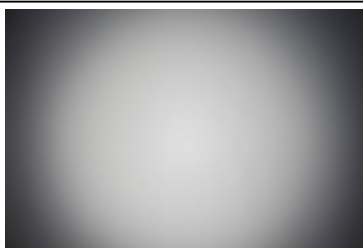
LED XM-L
FWHM 53.0°
Efficiency 81 %
Peak intensity 0.940 cd/lm
LEDs/each optic 1
Light colour White
Required components:



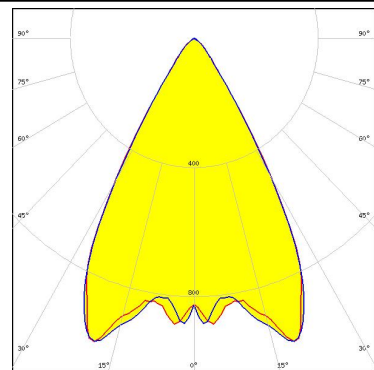
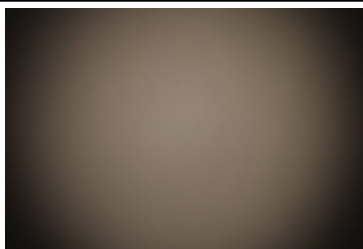
LED XM-L2
FWHM 53.0°
Efficiency 80 %
Peak intensity 0.920 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E
FWHM 51.0°
Efficiency 81 %
Peak intensity 0.970 cd/lm
LEDs/each optic 1
Light colour White
Required components:



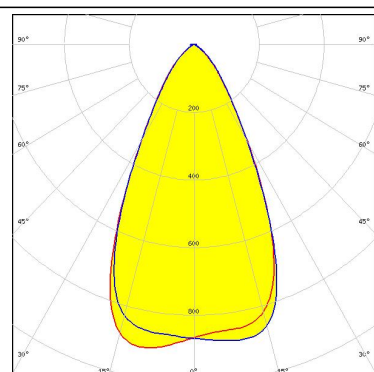
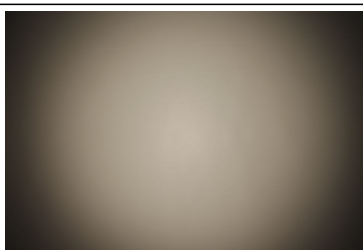
LED XP-E2
FWHM 52.0°
Efficiency 92 %
Peak intensity 1.180 cd/lm
LEDs/each optic 1
Light colour White
Required components:



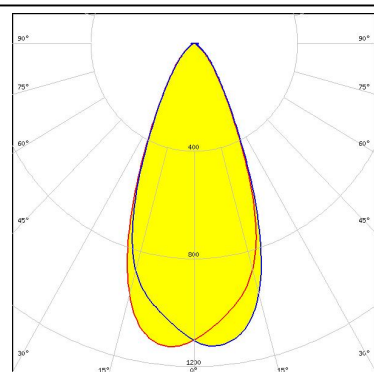
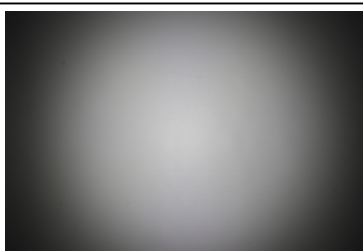
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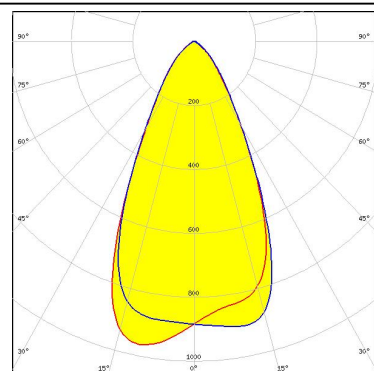
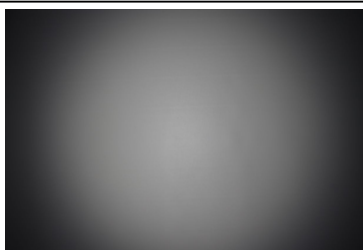
LED XP-G
FWHM 53.0°
Efficiency 81 %
Peak intensity 0.910 cd/lm
LEDs/each optic 1
Light colour White
Required components:



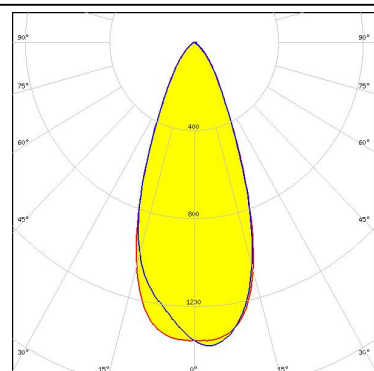
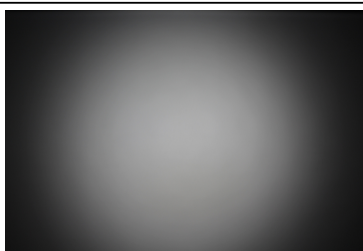
LED XT-E
FWHM 46.0°
Efficiency 80 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED H35C1 (LEMWA33)
FWHM 52.0°
Efficiency 81 %
Peak intensity 0.960 cd/lm
LEDs/each optic 1
Light colour White
Required components:



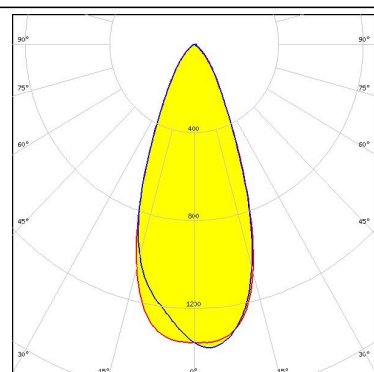
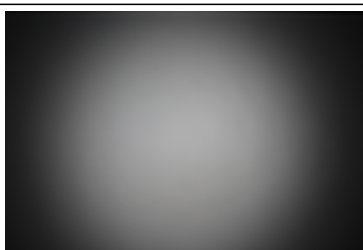
LED LUXEON 3030 2D (Round LES)
FWHM 42.0°
Efficiency 83 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



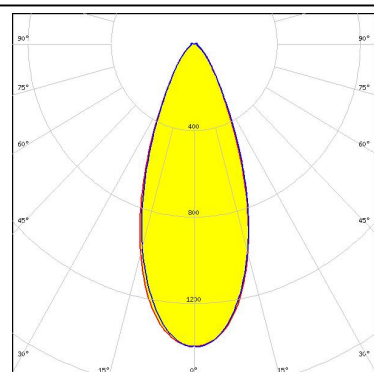
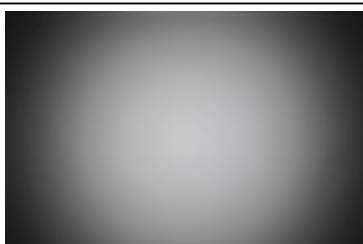
PHOTOMETRIC DATA (MEASURED):



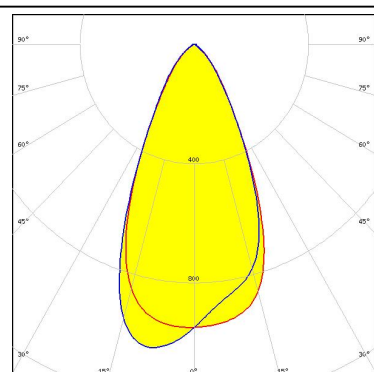
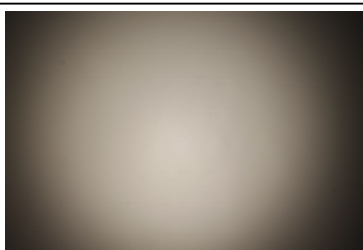
LED LUXEON 3030 2D (Square LES)
 FWHM 42.0°
 Efficiency 83 %
 Peak intensity 1.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



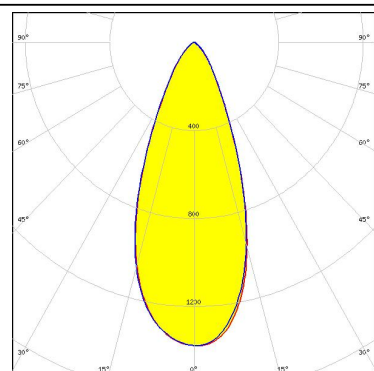
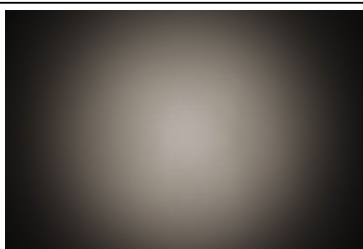
LED LUXEON 5050
 FWHM 41.0°
 Efficiency 90 %
 Peak intensity 1.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON A
 FWHM 50.0°
 Efficiency 79 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



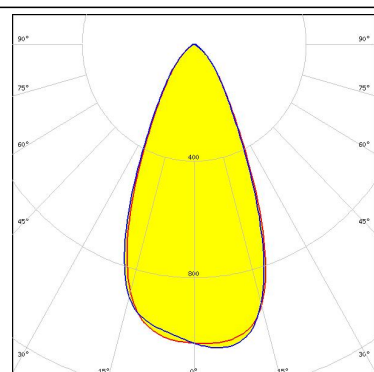
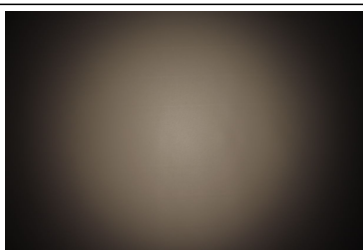
LED LUXEON MZ
 FWHM 41.0°
 Efficiency 83 %
 Peak intensity 1.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



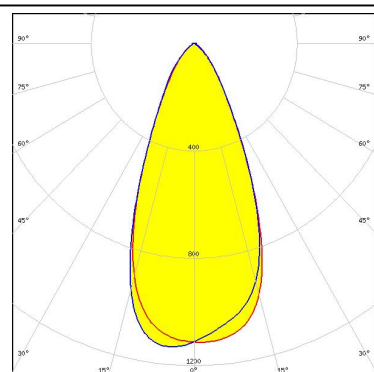
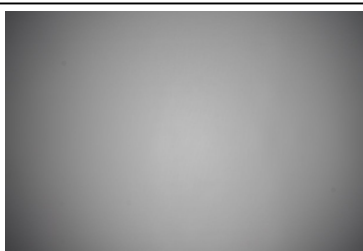
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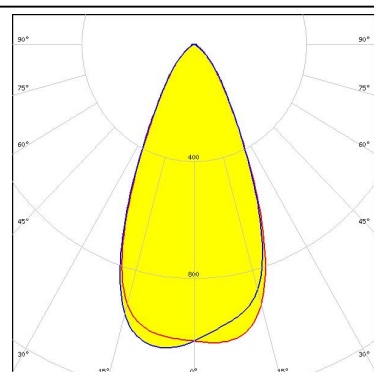
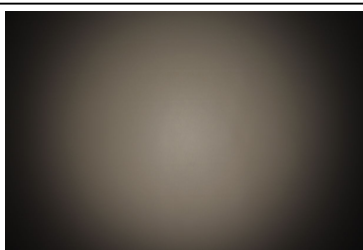
LED LUXEON R
FWHM 48.0°
Efficiency 80 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



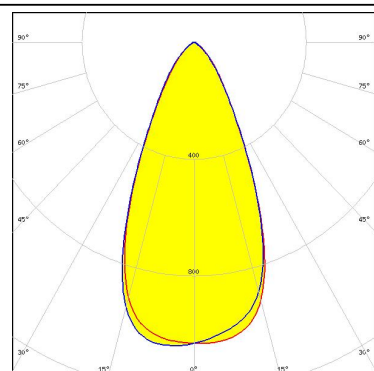
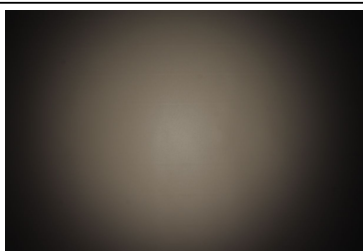
LED LUXEON Rebel ES
FWHM 46.0°
Efficiency 80 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON T
FWHM 49.0°
Efficiency 82 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



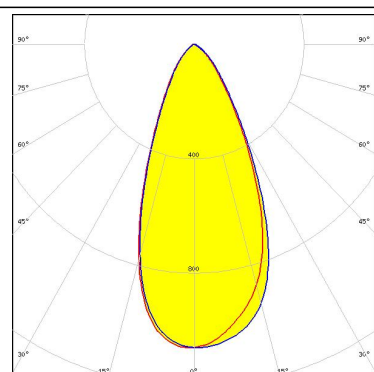
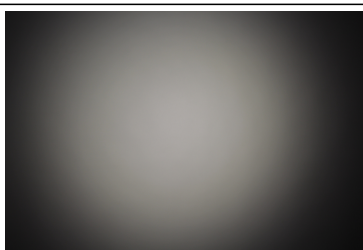
LED LUXEON TX
FWHM 48.0°
Efficiency 81 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



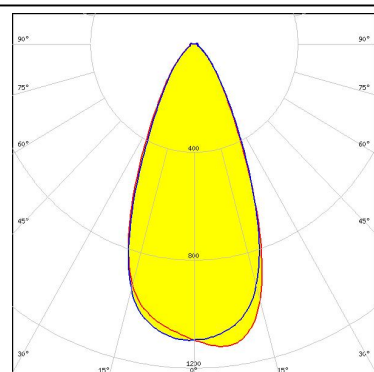
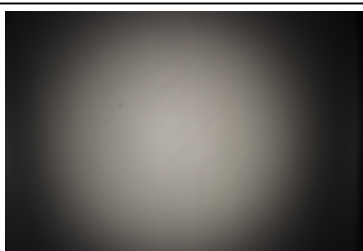
PHOTOMETRIC DATA (MEASURED):



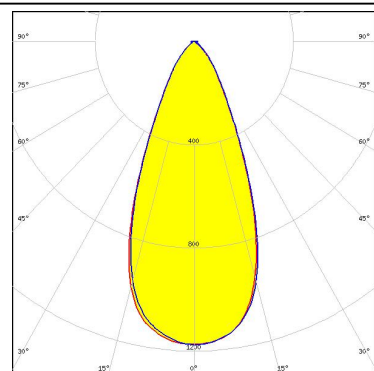
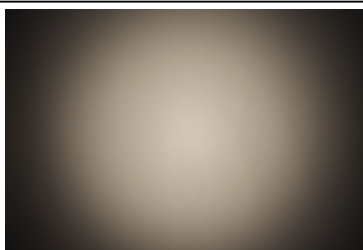
LED LUXEON V
FWHM 46.0°
Efficiency 79 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



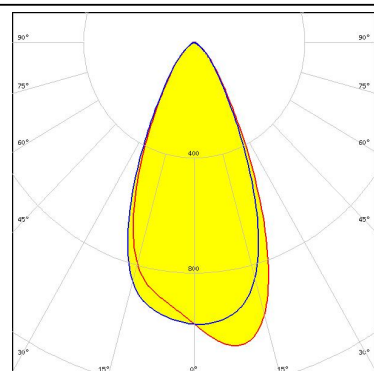
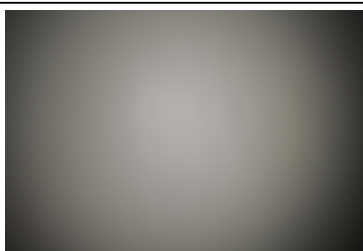
LED LUXEON V2
FWHM 47.0°
Efficiency 88 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NCSxx19B
FWHM 45.0°
Efficiency 80 %
Peak intensity 1.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



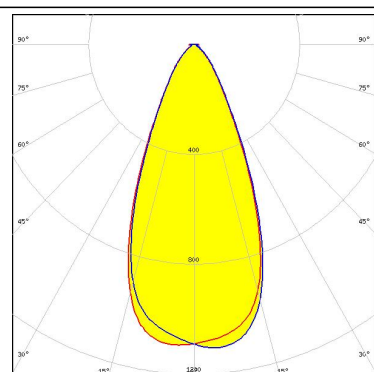
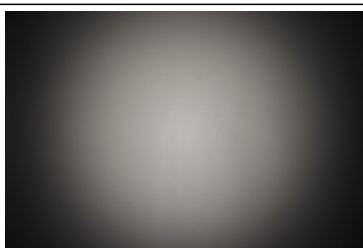
LED NVSW3x9A
FWHM 48.0°
Efficiency 78 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



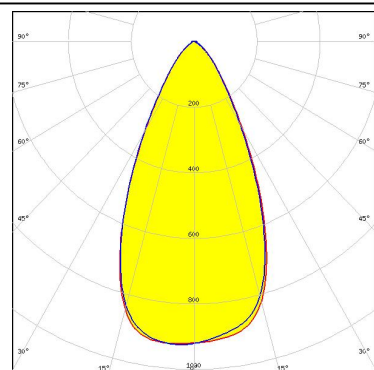
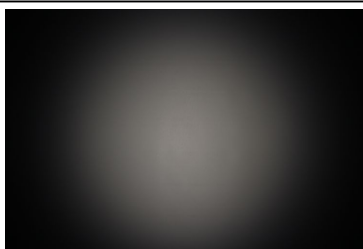
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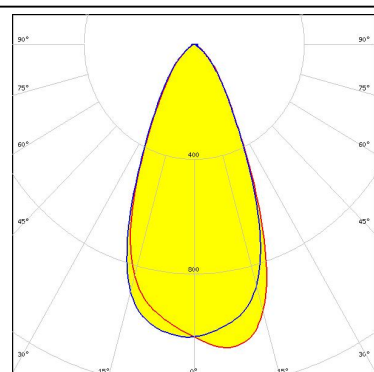
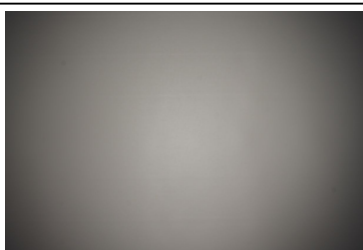
LED NVSxx19B/NVSxx19C
 FWHM 46.0°
 Efficiency 81 %
 Peak intensity 1.110 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



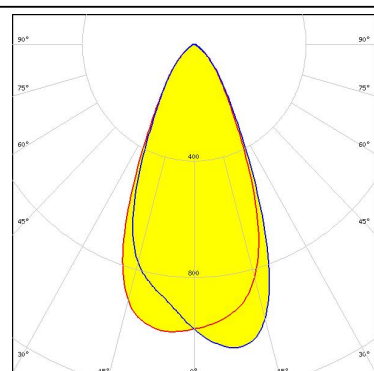
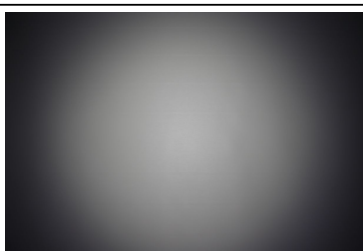
LED NWSx229A
 FWHM 51.0°
 Efficiency 78 %
 Peak intensity 0.930 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Oslon Square EC
 FWHM 48.0°
 Efficiency 80 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Oslon Square PC
 FWHM 48.0°
 Efficiency 79 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

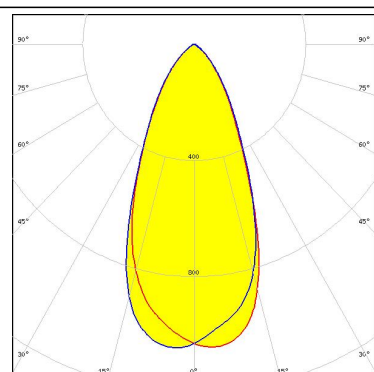
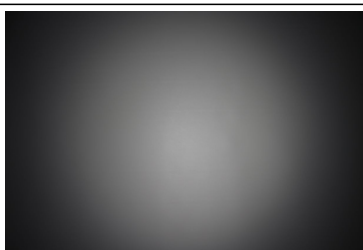


PHOTOMETRIC DATA (MEASURED):

OSRAM

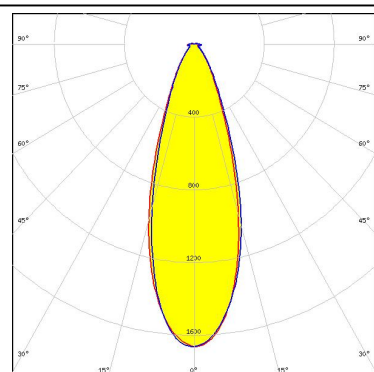
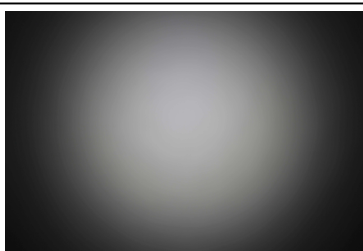
Opto Semiconductors

LED Oslon SSL 80
FWHM 46.0°
Efficiency 80 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



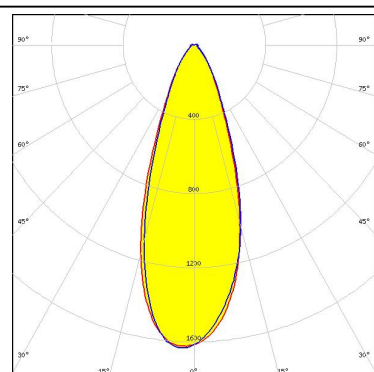
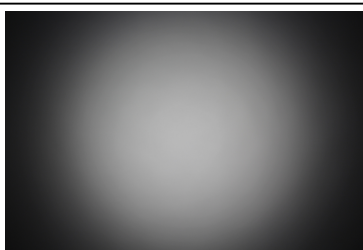
SAMSUNG

LED LH181A
FWHM 34.0°
Efficiency 87 %
Peak intensity 1.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



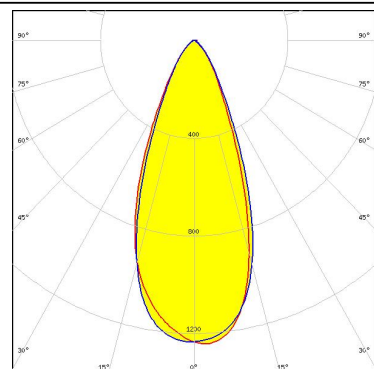
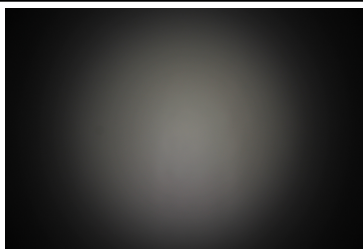
SAMSUNG

LED LH181B
FWHM 37.0°
Efficiency 90 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM 42.0°
Efficiency 78 %
Peak intensity 1.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



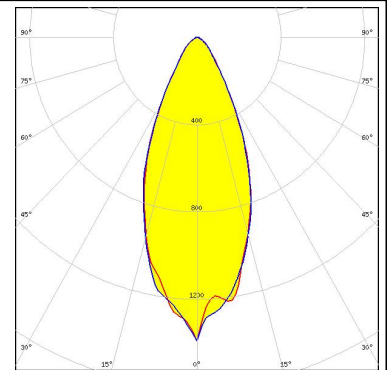
PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (SIMULATED):

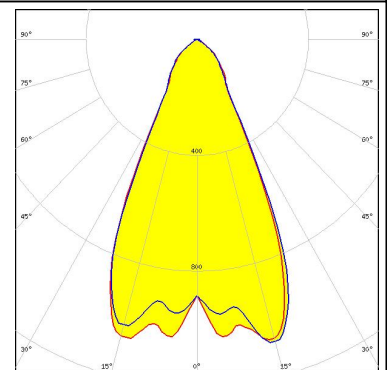
OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
FWHM 42.0°
Efficiency 90 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM
Opto Semiconductors

LED Oslon Square Gen3
FWHM 50.0°
Efficiency 90 %
Peak intensity 1.100 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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where_to_buy](http://www.ledil.com/where_to_buy)

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