

VERONICA-SQ-O

~55° + 12° oval beam

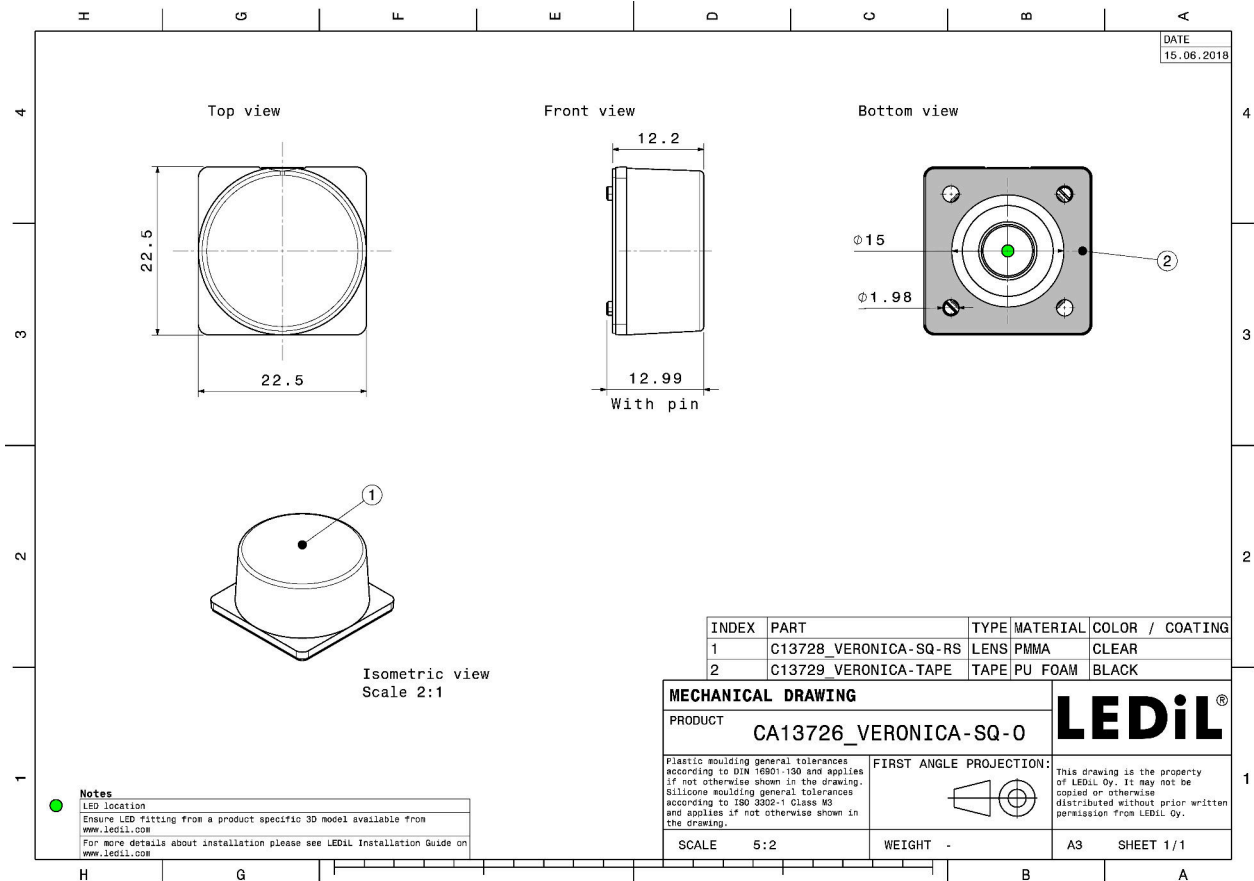
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 22.5 mm
Height	12.2 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.2 kg
Quantity in Box	1980 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

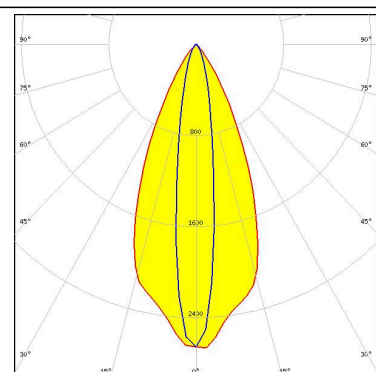
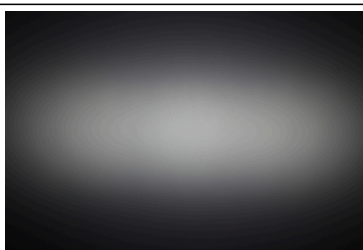
Component	Type	Material	Colour
VERONICA-SQ-O	Single lens	PMMA	clear
VERONICA-TAPE	Tape	PU tape	clear



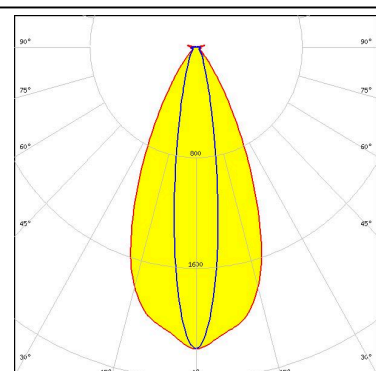
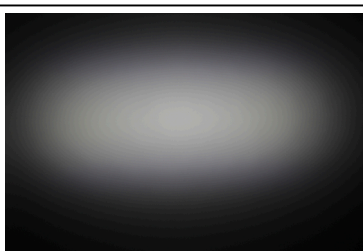
PHOTOMETRIC DATA (MEASURED):



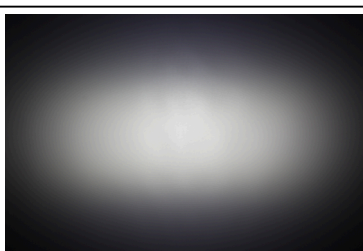
LED XB-H
FWHM 45.0 + 16.0°
Efficiency 77 %
Peak intensity 2.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



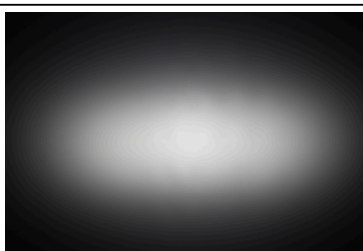
LED XD16
FWHM 47.0 + 17.0°
Efficiency 87 %
Peak intensity 2.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XHP35 HD
FWHM 45.0 + 20.0°
Efficiency 73 %
Peak intensity 2.130 cd/lm
LEDs/each optic 1
Light colour White
Required components:



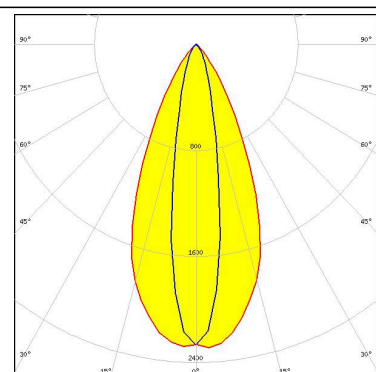
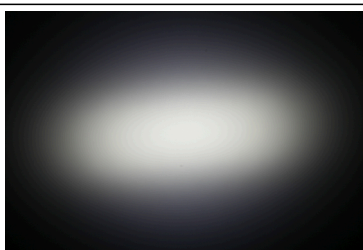
LED XHP35 HI
FWHM 46.0 + 16.0°
Efficiency 75 %
Peak intensity 2.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



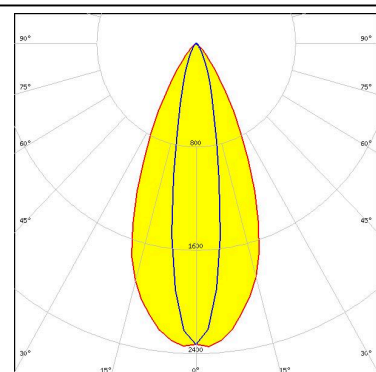
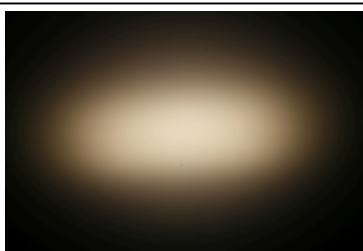
PHOTOMETRIC DATA (MEASURED):



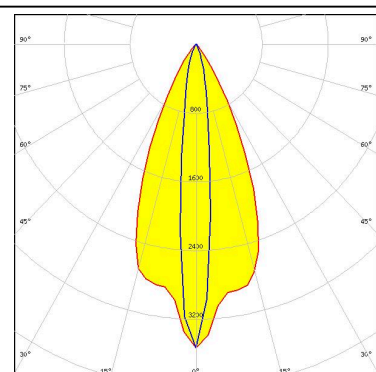
LED XM-L
FWHM 47.0 + 20.0°
Efficiency 80 %
Peak intensity 2.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



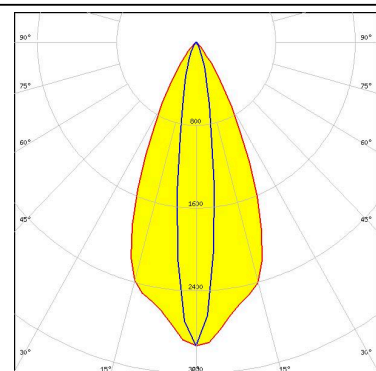
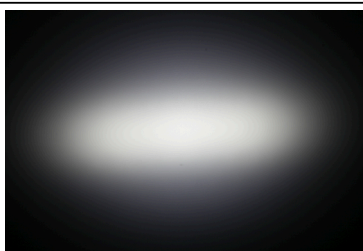
LED XM-L2
FWHM 47.0 + 20.0°
Efficiency 80 %
Peak intensity 2.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E2
FWHM 46.0 + 12.0°
Efficiency 80 %
Peak intensity 3.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



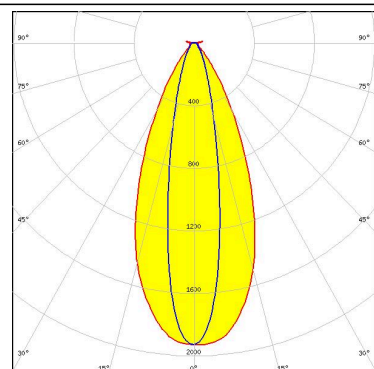
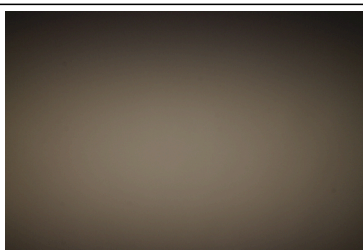
LED XP-G2
FWHM 47.0 + 14.0°
Efficiency 80 %
Peak intensity 2.940 cd/lm
LEDs/each optic 1
Light colour White
Required components:



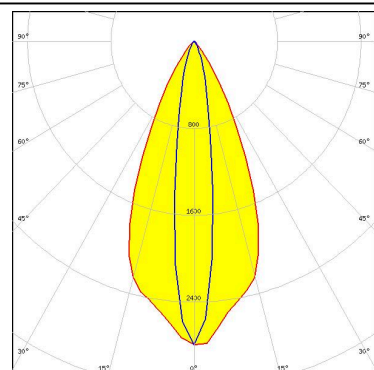
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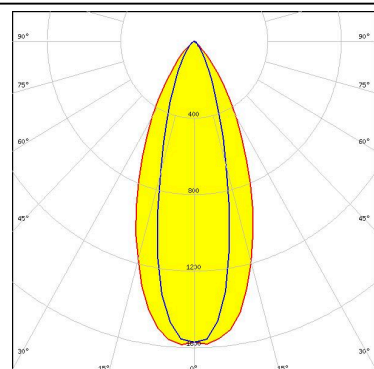
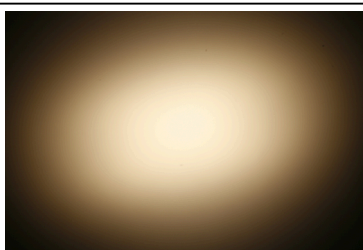
LED XP-L2
FWHM 45.0 + 20.0°
Efficiency 86 %
Peak intensity 1.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



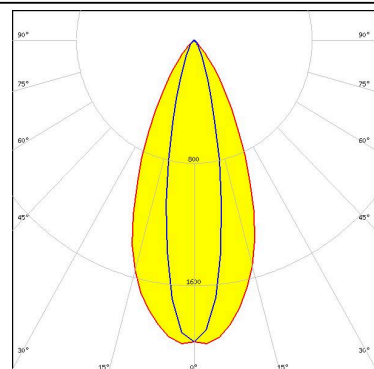
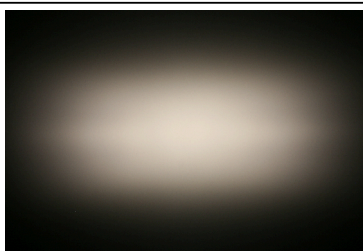
LED XT-E
FWHM 47.0 + 16.0°
Efficiency 79 %
Peak intensity 2.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON M/MX
FWHM 45.0 + 28.0°
Efficiency 76 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



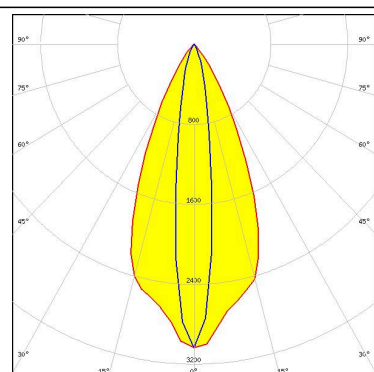
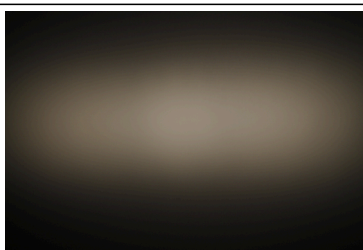
LED LUXEON MZ
FWHM 47.0 + 23.0°
Efficiency 73 %
Peak intensity 2.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

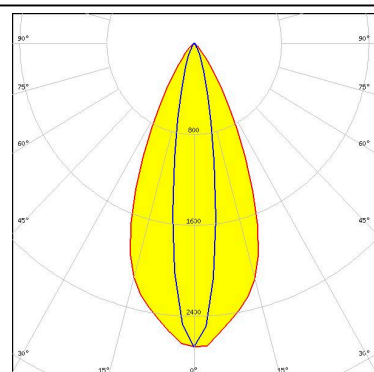
LUMILEDS

LED LUXEON Rebel
FWHM 47.0 + 15.0°
Efficiency 80 %
Peak intensity 3.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



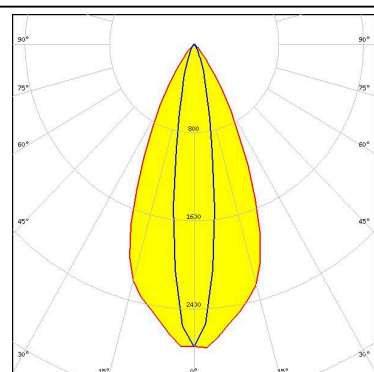
LUMILEDS

LED LUXEON Rebel ES
FWHM 47.0 + 17.0°
Efficiency 80 %
Peak intensity 2.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



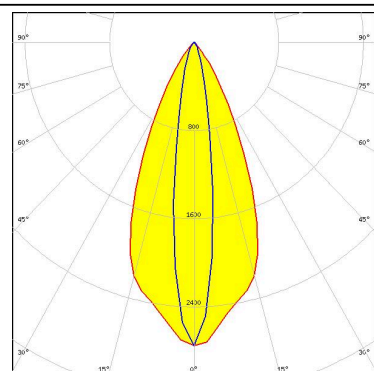
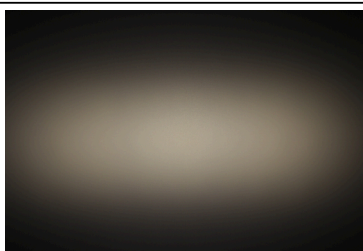
LUMILEDS

LED LUXEON T
FWHM 47.0 + 17.0°
Efficiency 80 %
Peak intensity 2.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

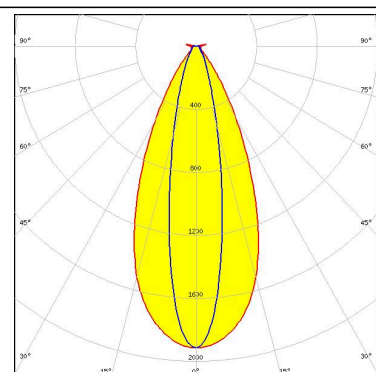
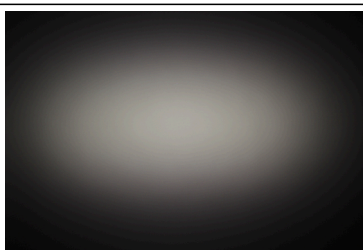
LED LUXEON TX
FWHM 46.0 + 16.0°
Efficiency 77 %
Peak intensity 2.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



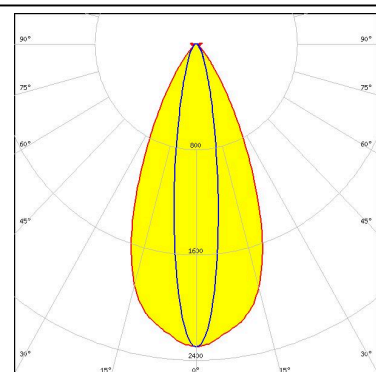
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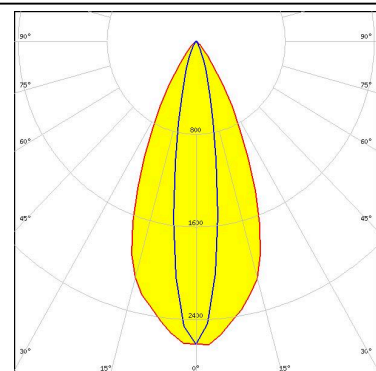
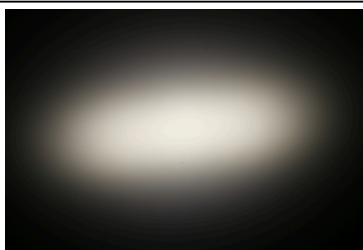
LED LUXEON V
FWHM 46.0 + 21.0°
Efficiency 88 %
Peak intensity 1.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



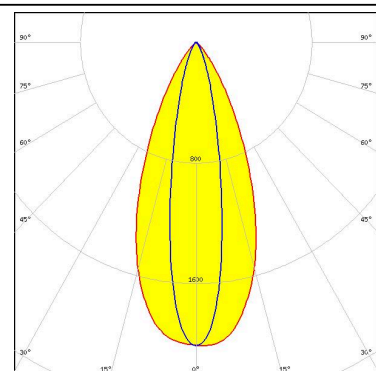
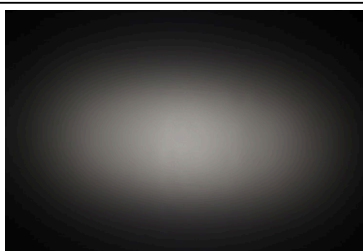
LED LUXEON V2
FWHM 47.0 + 17.0°
Efficiency 87 %
Peak intensity 2.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19B/NVSxx19C
FWHM 47.0 + 18.0°
Efficiency 80 %
Peak intensity 2.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



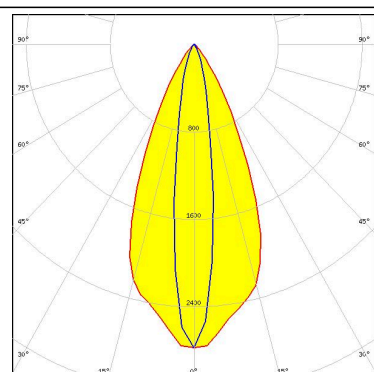
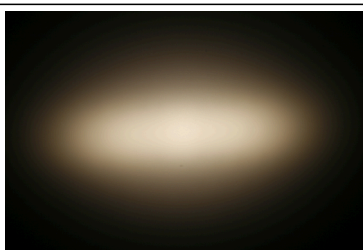
LED NWSx229A
FWHM 20.0 + 45.0°
Efficiency 74 %
Peak intensity 2.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

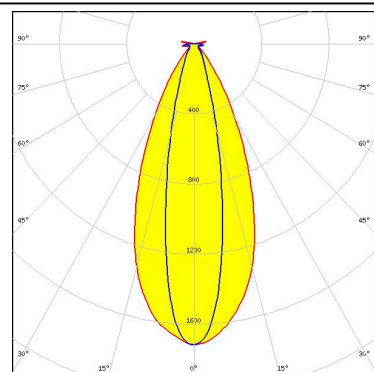
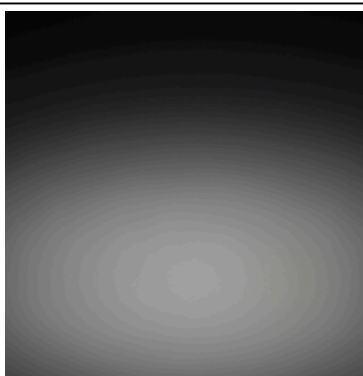
OSRAM
Opto Semiconductors

LED Oslon Square EC
FWHM 47.0 + 17.0°
Efficiency 79 %
Peak intensity 2.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



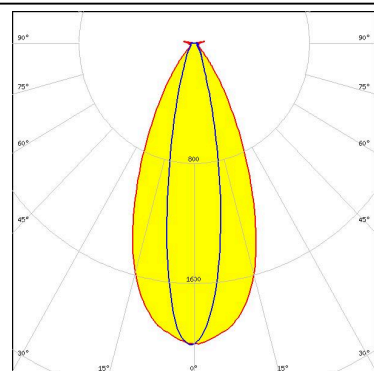
SAMSUNG

LED LH181A
FWHM 46.0 + 22.0°
Efficiency 85 %
Peak intensity 1.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



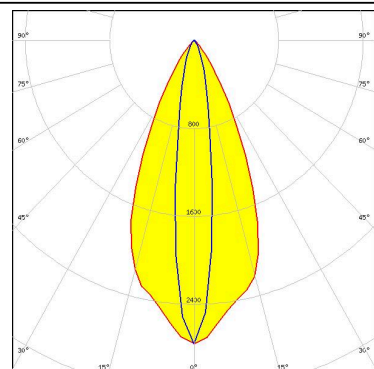
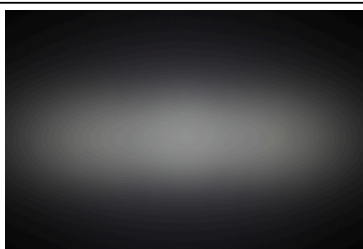
SAMSUNG

LED LH181B
FWHM 46.0 + 21.0°
Efficiency 88 %
Peak intensity 2.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:

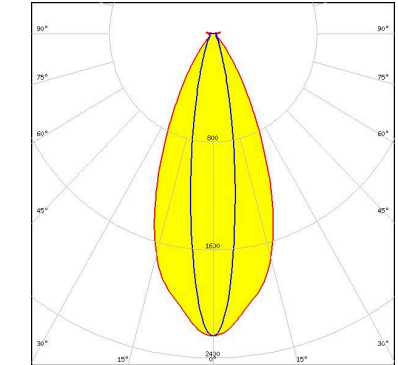
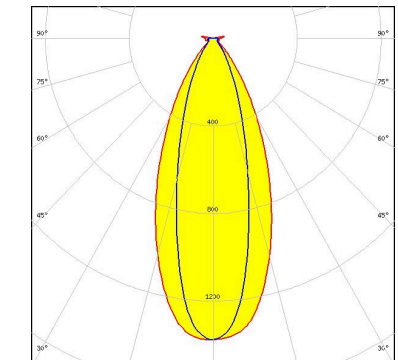


SAMSUNG

LED LH351Z
FWHM 47.0 + 15.0°
Efficiency 78 %
Peak intensity 2.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



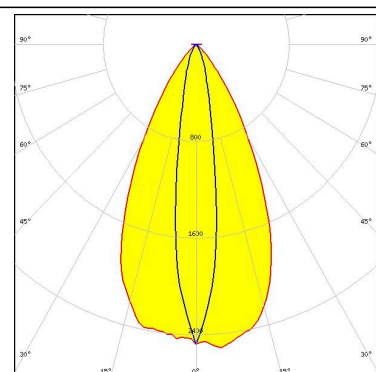
PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR LED Z8Y22P FWHM 45.0 + 18.0° Efficiency 86 % Peak intensity 2.200 cd/lm LEDs/each optic 1 Light colour White Required components:		
 SEOUL SEMICONDUCTOR LED Z8Y50P FWHM 45.0 + 29.0° Efficiency 81 % Peak intensity 1.400 cd/lm LEDs/each optic 1 Light colour White Required components:		

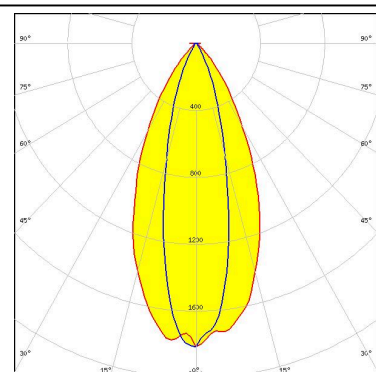
PHOTOMETRIC DATA (SIMULATED):



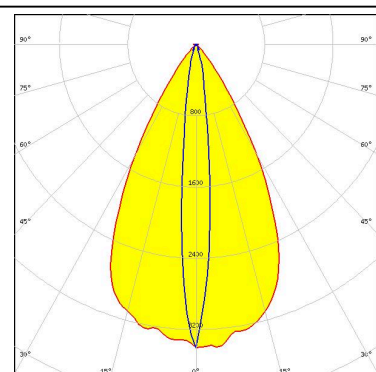
LED XP-L HD
 FWHM 53.0 + 16.0°
 Efficiency 86 %
 Peak intensity 2.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 7070
 FWHM 49.0 + 25.0°
 Efficiency 84 %
 Peak intensity 1.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Oslon Square Gen3
 FWHM 56.0 + 12.0°
 Efficiency 88 %
 Peak intensity 3.500 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.

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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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