

TINA-Y-SS

~16° smooth spot beam. Assembly with holder, installation tape and pins.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
TINA-Y-SS	Single lens	PMMA	clear	gloss
TINA-Y-HLD	Holder	PC	black	gloss
TINA-Y-TAPE	Tape	Acrylic foam		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18103_TINA-Y-SS » Box size: 476 x 273 x 197 mm	3900	300	300	5.7

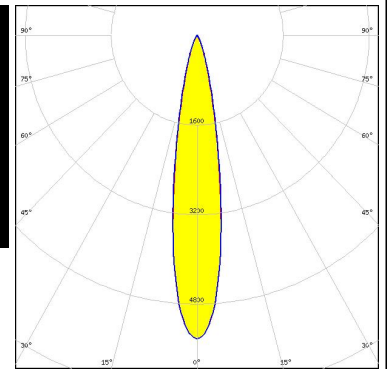




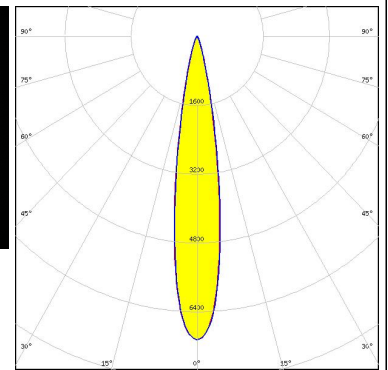
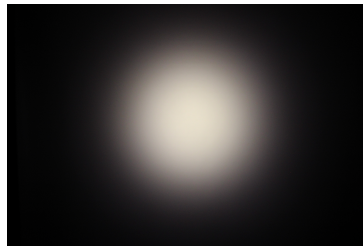
OPTICAL RESULTS (MEASURED):



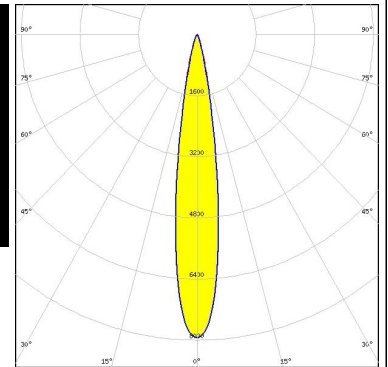
LED XP-G3
FWHM / FWTM 18.0° / 37.0°
Efficiency 81 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



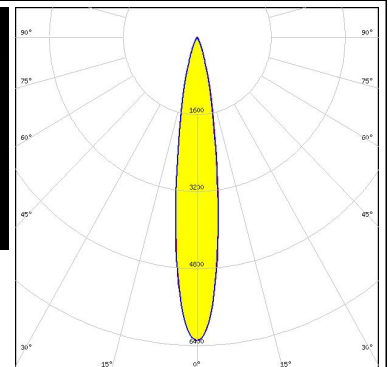
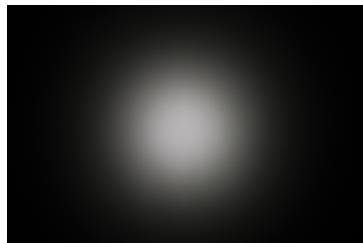
LED XP-G4
FWHM / FWTM 17.0° / 33.0°
Efficiency 87 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW719AC
FWHM / FWTM 17.0° / 31.0°
Efficiency 87 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



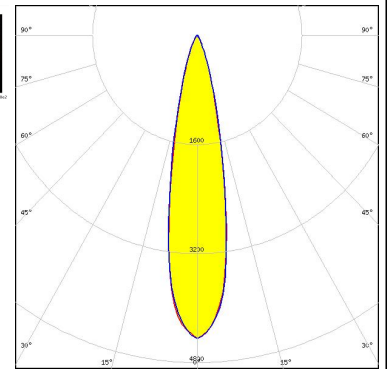
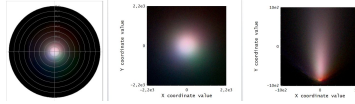
LED OSCONIQ C 3030
FWHM / FWTM 16.0° / 36.0°
Efficiency 83 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



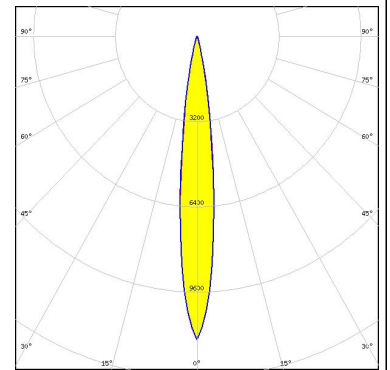
OPTICAL RESULTS (SIMULATED):



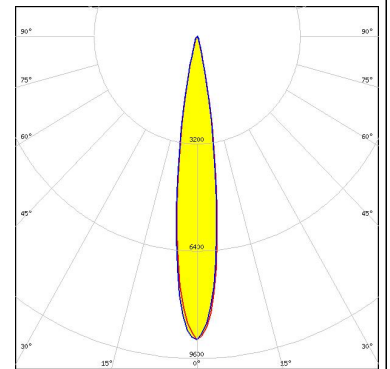
LED CLR6A-TKW
FWHM / FWTM 21.0° / 42.0°
Efficiency 86 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour RGBW
Required components:



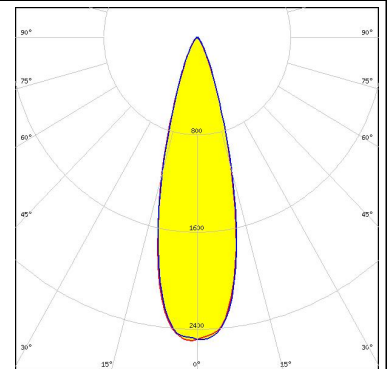
LED XD16 Premium
FWHM / FWTM 14.0° / 26.0°
Efficiency 86 %
Peak intensity 11.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XE-G
FWHM / FWTM 16.0° / 28.0°
Efficiency 87 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



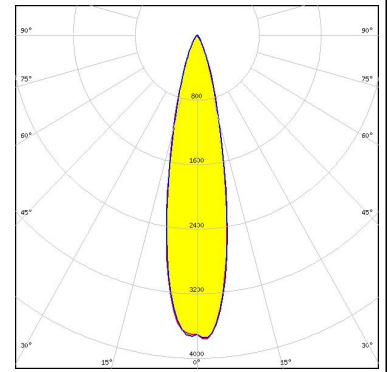
LED XHP35.2 HD
FWHM / FWTM 28.0° / 52.0°
Efficiency 75 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



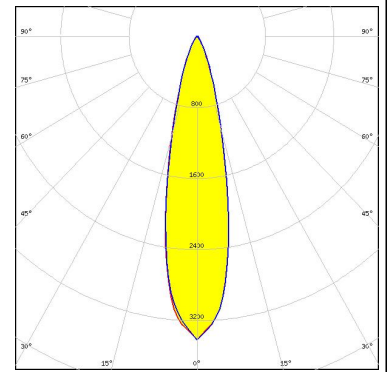
OPTICAL RESULTS (SIMULATED):



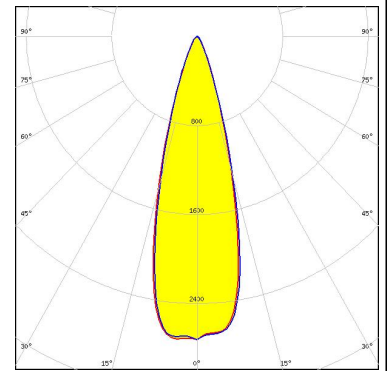
LED XHP35.2 HI
FWHM / FWTM 22.0° / 46.0°
Efficiency 83 %
Peak intensity 3.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:



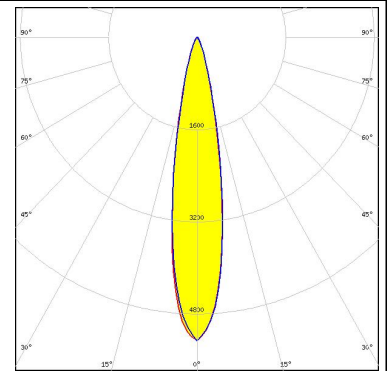
LED XHP50.3 HI
FWHM / FWTM 24.0° / 48.0°
Efficiency 82 %
Peak intensity 3.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 30.0° / 50.0°
Efficiency 85 %
Peak intensity 2.7 cd/Im
LEDs/each optic 1
Light colour RGBW
Required components:



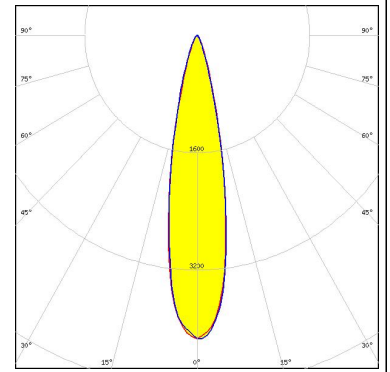
LED XM-L RGBW (XMLDCL HI)
FWHM / FWTM 20.0° / 38.0°
Efficiency 85 %
Peak intensity 5.3 cd/Im
LEDs/each optic 1
Light colour RGBW
Required components:



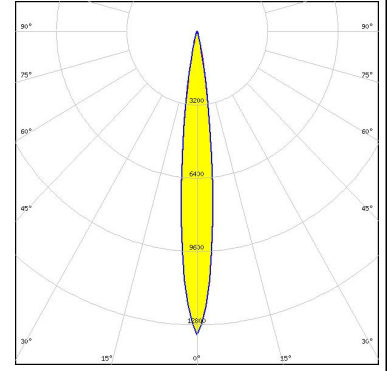
OPTICAL RESULTS (SIMULATED):



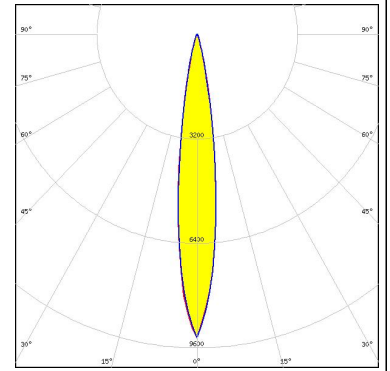
LED XM-L3
FWHM / FWTM 21.0° / 42.0°
Efficiency 80 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



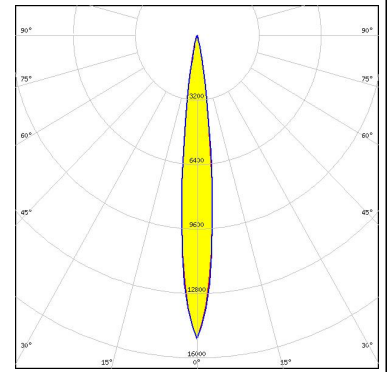
LED XP-E2
FWHM / FWTM 12.0° / 24.0°
Efficiency 88 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G2
FWHM / FWTM 15.0° / 28.0°
Efficiency 87 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



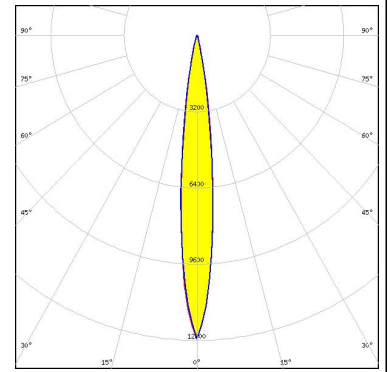
LED XP-P
FWHM / FWTM 12.0° / 22.0°
Efficiency 89 %
Peak intensity 15.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



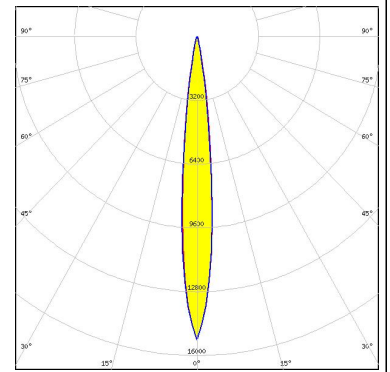
OPTICAL RESULTS (SIMULATED):



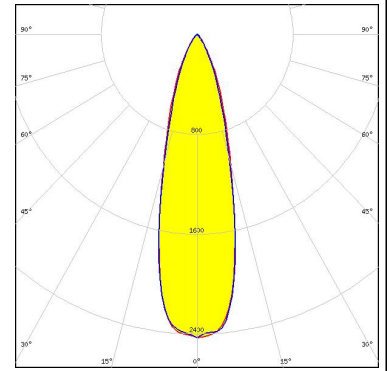
LED XQ-E HD
FWHM / FWTM 12.0° / 24.0°
Efficiency 87 %
Peak intensity 12.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



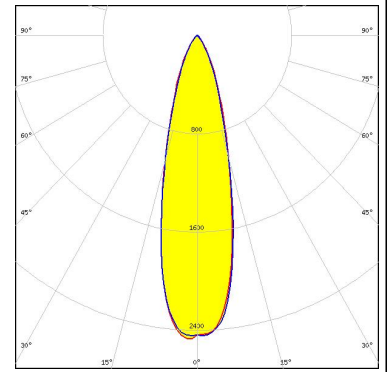
LED XQ-E HI
FWHM / FWTM 12.0° / 22.0°
Efficiency 87 %
Peak intensity 15.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050 Round LES
FWHM / FWTM 28.0° / 56.0°
Efficiency 80 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



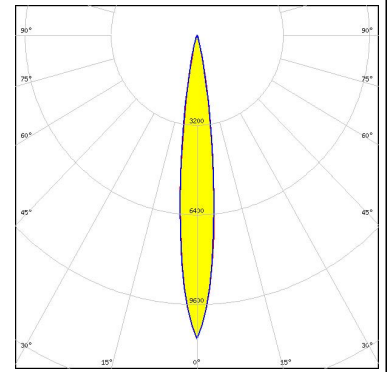
LED LUXEON 5050 Square LES
FWHM / FWTM 26.0° / 56.0°
Efficiency 78 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

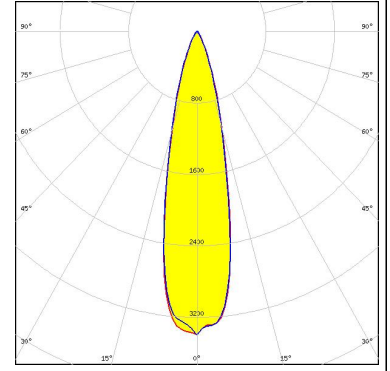
LUMILEDS

LED LUXEON C
FWHM / FWTM 14.0° / 26.0°
Efficiency 79 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



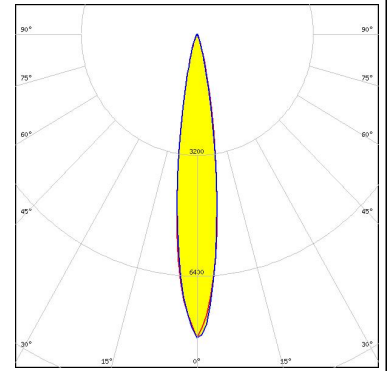
LUMILEDS

LED LUXEON MZ
FWHM / FWTM 24.0° / 47.0°
Efficiency 81 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



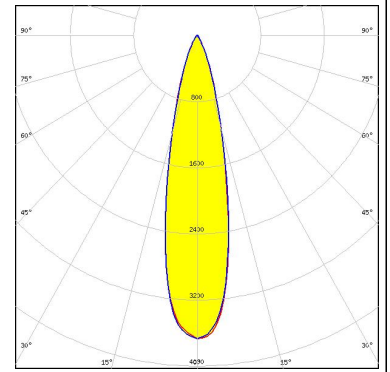
LUMILEDS

LED LUXEON TX
FWHM / FWTM 15.0° / 30.0°
Efficiency 84 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA

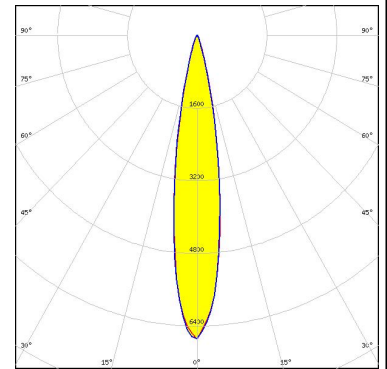
LED NV4WB35AM
FWHM / FWTM 24.0° / 46.0°
Efficiency 85 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



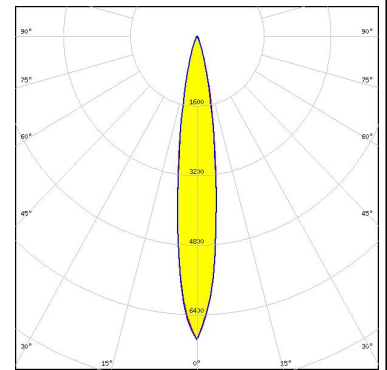
OPTICAL RESULTS (SIMULATED):



LED NVSW219F
FWHM / FWTM 18.0° / 33.0°
Efficiency 87 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

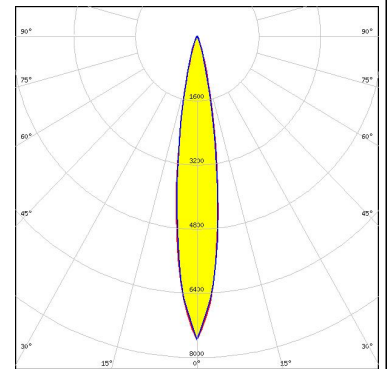


LED NVSxE21A
FWHM / FWTM 16.0° / 34.0°
Efficiency 79 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



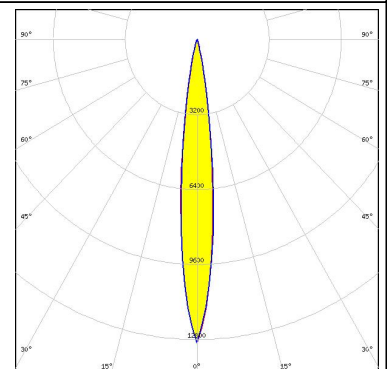
Opto Semiconductors

LED OSOLON Square CSSRM2/CSSRM3
FWHM / FWTM 16.0° / 32.0°
Efficiency 86 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Opto Semiconductors

LED OSOLON SSL 150
FWHM / FWTM 13.0° / 25.0°
Efficiency 88 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour White
Required components:

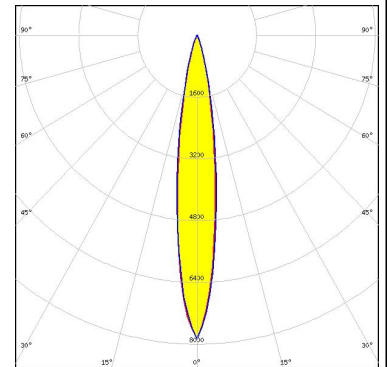
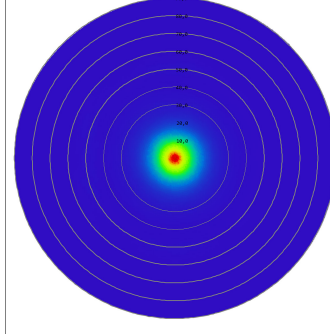


OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED SFH 4715AS
FWHM / FWTM 16.0° / 33.0°
Efficiency 86 %
LEDs/each optic 1
Light colour IR
Required components:

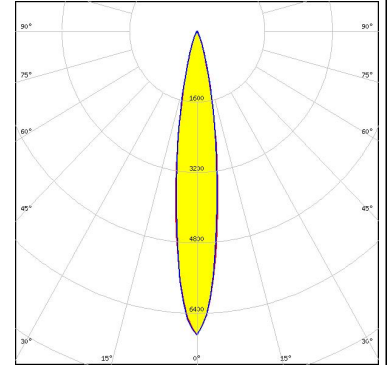
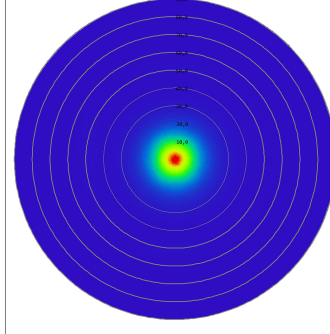
Polar intensity graph



OSRAM
Opto Semiconductors

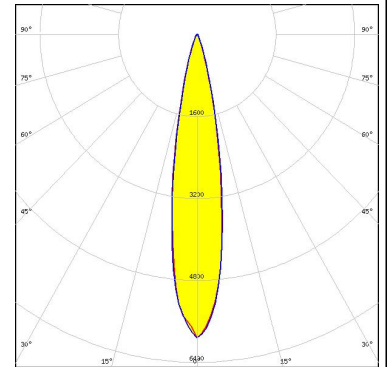
LED SFH 4725AS
FWHM / FWTM 16.0° / 34.0°
Efficiency 86 %
LEDs/each optic 1
Light colour IR
Required components:

Polar intensity graph



SAMSUNG

LED LH351C
FWHM / FWTM 19.0° / 36.0°
Efficiency 87 %
Peak intensity 5.9 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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