

LEILA-Y-O

~45° + 15° oval beam. 14.8 mm high assembly with holder, installation tape and pins.

SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

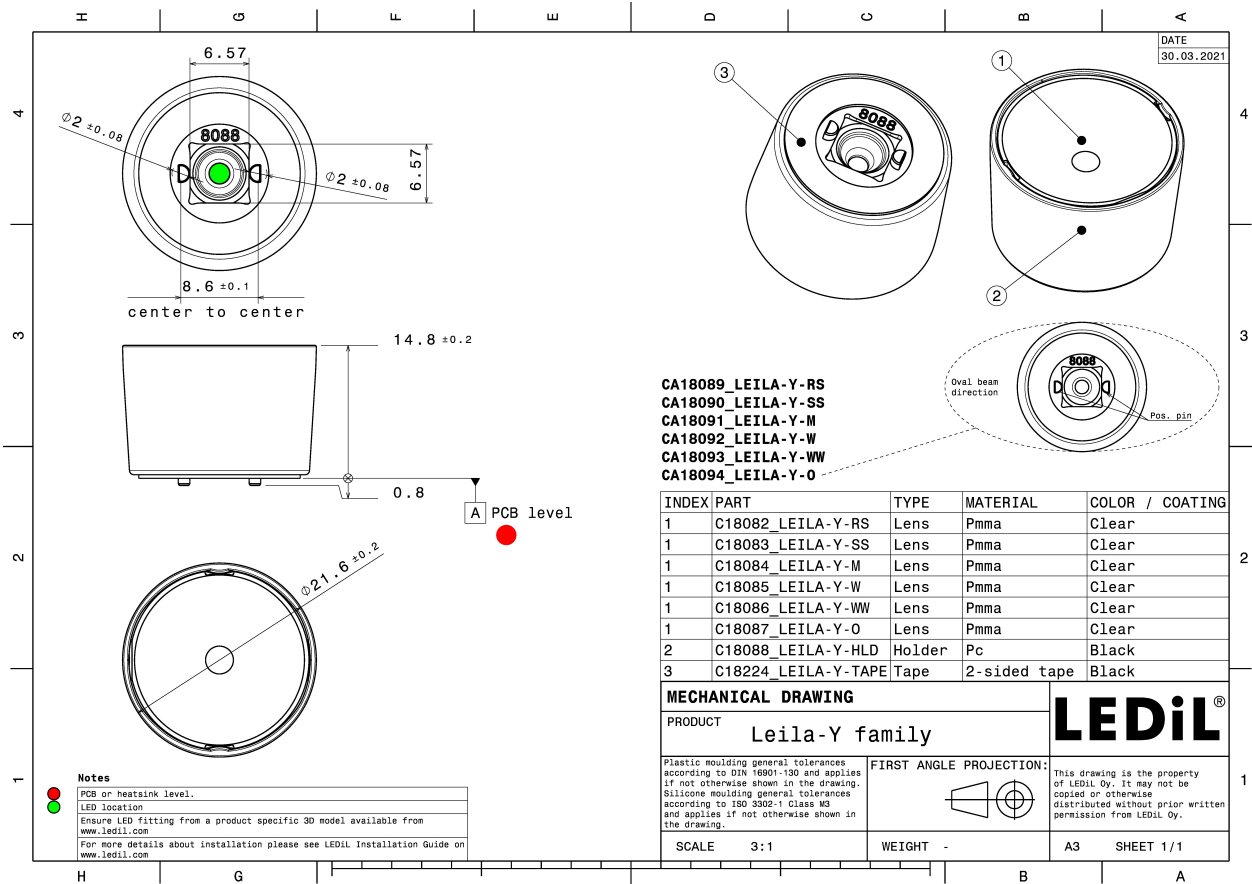
MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18094_LEILA-Y-O » Box size: 476 x 273 x 197 mm	1800	180	180	7.6



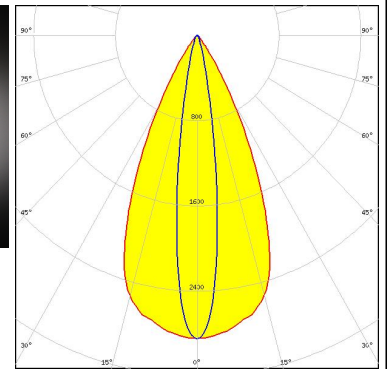
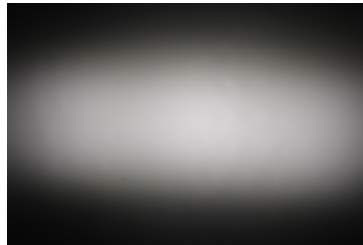


See also our general installation guide: www.ledil.com/installation_guide

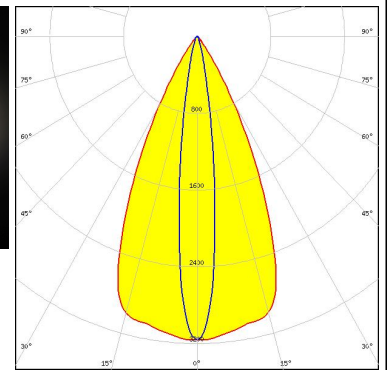
OPTICAL RESULTS (MEASURED):



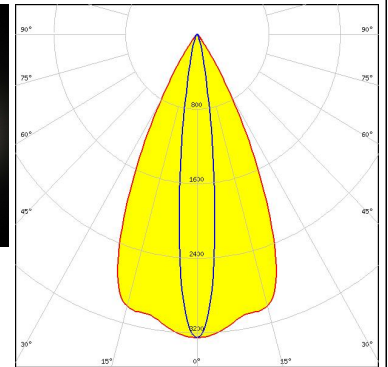
LED XHP35 HI
FWHM / FWTM 49.0 + 16.0° / 70.0 + 31.0°
Efficiency 80 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G4
FWHM / FWTM 50.0 + 14.0° / 69.0 + 29.0°
Efficiency 81 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



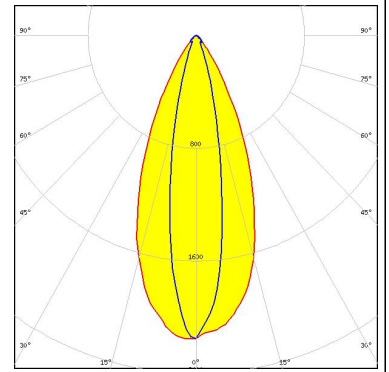
LED NVSW719AC
FWHM / FWTM 50.0 + 14.0° / 68.0 + 28.0°
Efficiency 81 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



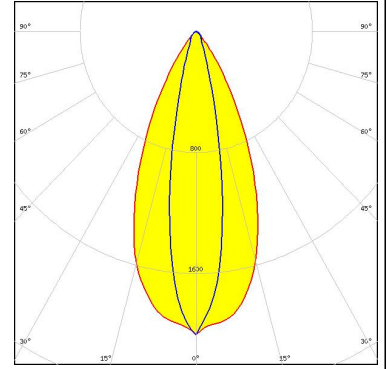
OPTICAL RESULTS (SIMULATED):



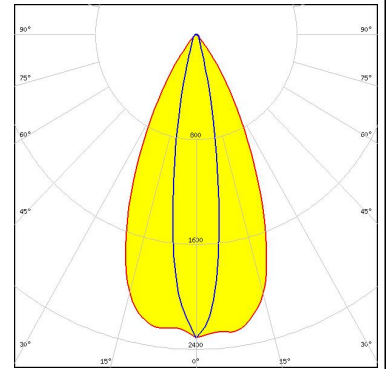
LED J Series 5050 Round LES
 FWHM / FWTM 20.0 + 44.0°
 Efficiency 78 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



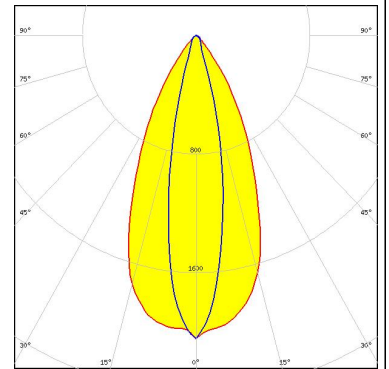
LED J Series 5050B 6V K Class
 FWHM / FWTM 46.0 + 20.0° / 74.0 + 42.0°
 Efficiency 77 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XHP35.2 HI
 FWHM / FWTM 49.0 + 18.0° / 74.0 + 34.0°
 Efficiency 78 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



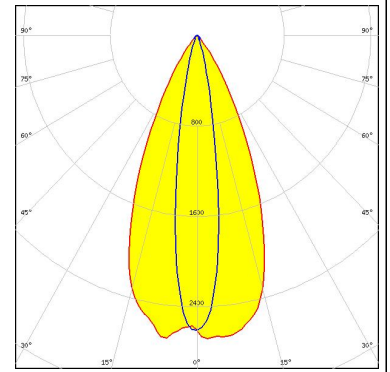
LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 48.0 + 22.0° / 78.0 + 38.0°
 Efficiency 79 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour RGBW
 Required components:



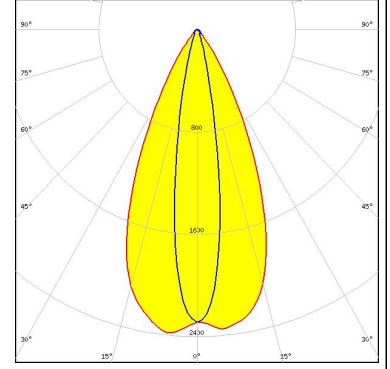
OPTICAL RESULTS (SIMULATED):



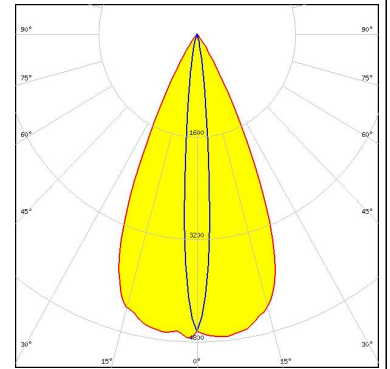
LED XM-L2
FWHM / FWTM 17.0 + 47.0°
Efficiency 81 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



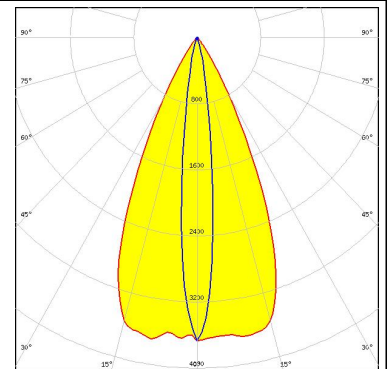
LED XM-L3
FWHM / FWTM 17.0 + 48.0°
Efficiency 76 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E2
FWHM / FWTM 10.0 + 49.0°
Efficiency 85 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



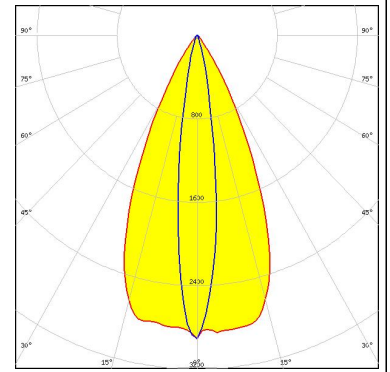
LED XP-G2
FWHM / FWTM 13.0 + 49.0°
Efficiency 84 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



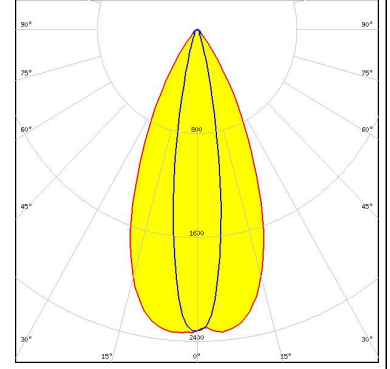
OPTICAL RESULTS (SIMULATED):



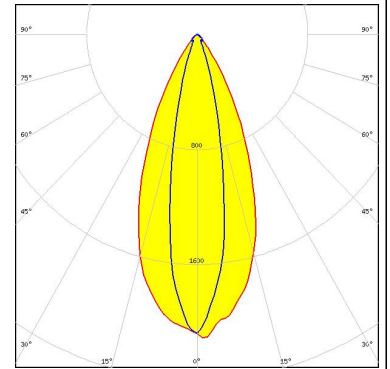
LED XP-G3
FWHM / FWTM 15.0 + 48.0°
Efficiency 80 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



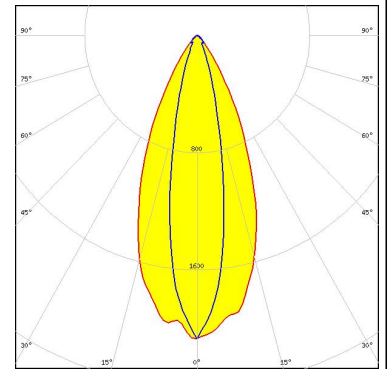
LED XP-L2
FWHM / FWTM 18.0 + 47.0°
Efficiency 77 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050 Round LES
FWHM / FWTM 21.0 + 44.0°
Efficiency 78 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



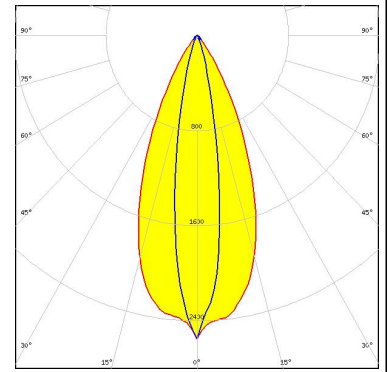
LED LUXEON 5050 Square LES
FWHM / FWTM 21.0 + 44.0°
Efficiency 78 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

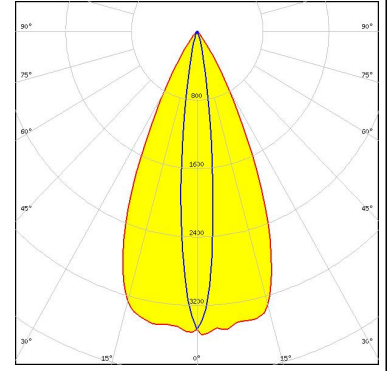
LUMILEDS

LED LUXEON MZ
FWHM / FWTM 17.0 + 43.0°
Efficiency 78 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



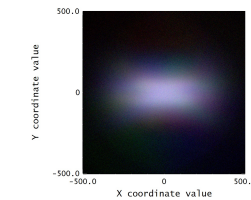
LUMILEDS

LED LUXEON TX
FWHM / FWTM 13.0 + 48.0°
Efficiency 82 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

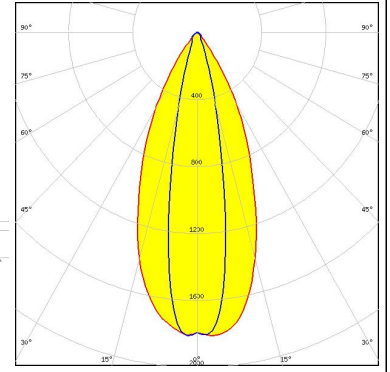


NICHIA

LED NCSxE17A
FWHM / FWTM 45.0 + 21.0° / 74.0 + 40.0°
Efficiency 70 %
Peak intensity 1.8 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:

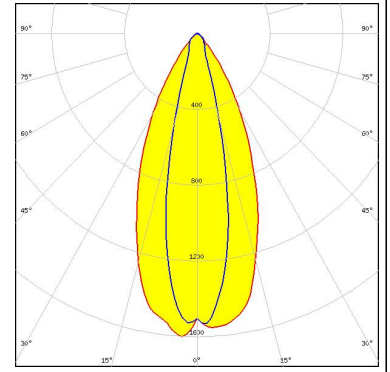


Detector Image: Illuminance
Zemax
Zemax OpticStudio 21.3
21.1.2023
NICHIA, LLC, 10000 N. 10th Street, Suite 100, Scottsdale, AZ 85257
File: NICHIA_10000_N. 10th Street, Suite 100, Scottsdale, AZ 85257
Part: NICHIA_10000_N. 10th Street, Suite 100, Scottsdale, AZ 85257
Sheet: 1 of 1



NICHIA

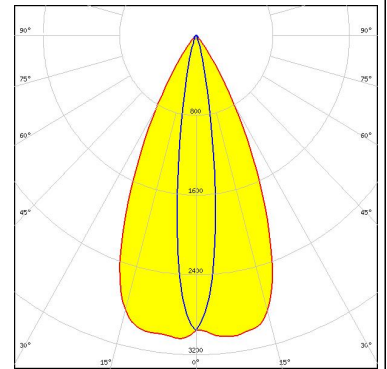
LED NV4x144A
FWHM / FWTM 46.0 + 24.0° / 78.0 + 42.0°
Efficiency 69 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



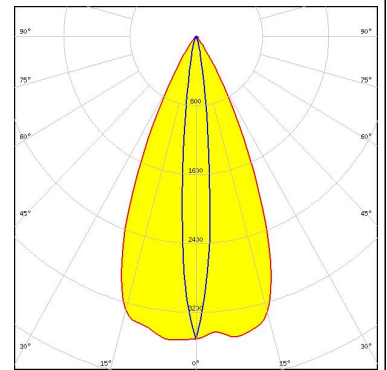
OPTICAL RESULTS (SIMULATED):



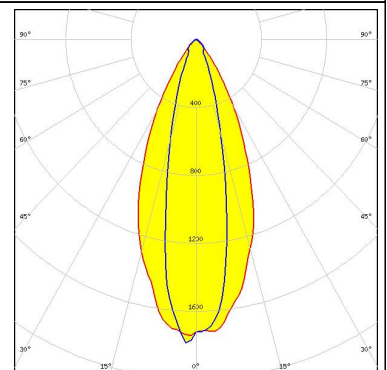
LED NVSW219F
FWHM / FWTM 15.0 + 50.0°
Efficiency 83 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



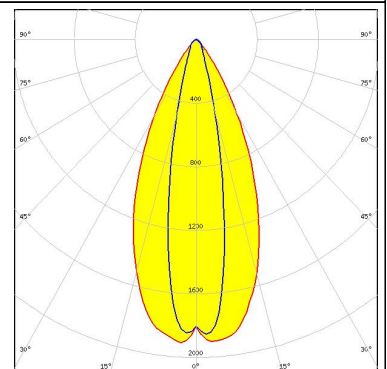
LED NVSxE21A
FWHM / FWTM 48.0 + 11.0° / 66.0 + 24.0°
Efficiency 77 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S8
FWHM / FWTM 24.0 + 44.0°
Efficiency 77 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSCONIQ S 5050
FWHM / FWTM 47.0 + 22.0° / 76.0 + 43.0°
Efficiency 76 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

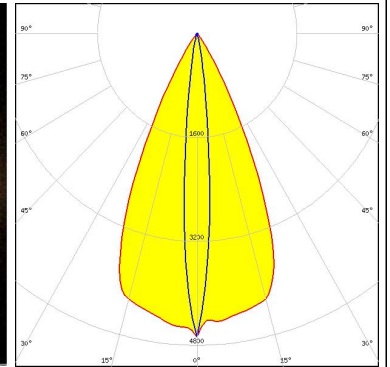


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

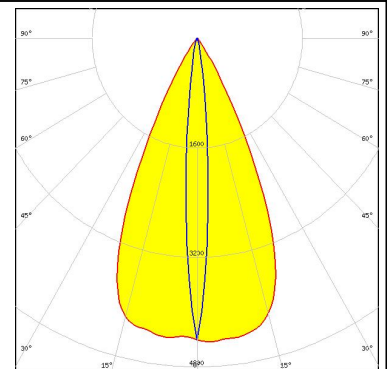
LED OSLON SSL 150
 FWHM / FWTM 10.0 + 49.0°
 Efficiency 84 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

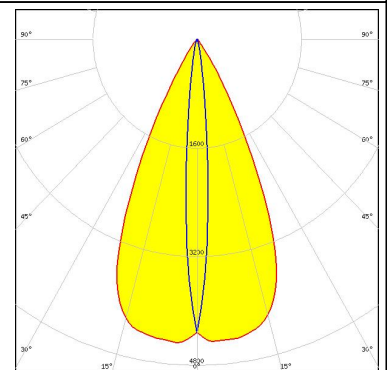
LED SYNIOS S2222
 FWHM / FWTM 50.0 + 8.0° / 66.0 + 20.0°
 Efficiency 83 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour Green
 Required components:



OSRAM

Opto Semiconductors

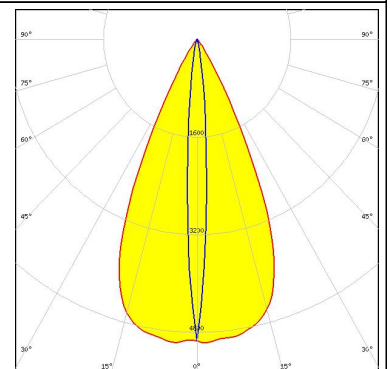
LED SYNIOS S2222
 FWHM / FWTM 50.0 + 9.0° / 67.0 + 20.0°
 Efficiency 83 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



OSRAM

Opto Semiconductors

LED SYNIOS S2222
 FWHM / FWTM 50.0 + 8.0° / 66.0 + 20.0°
 Efficiency 83 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour Yellow
 Required components:

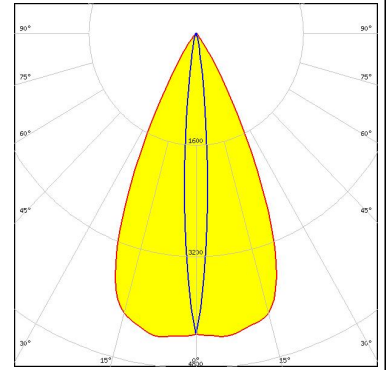


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

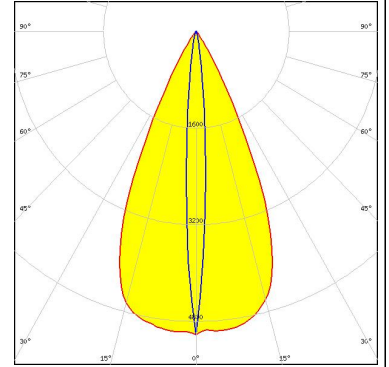
LED SYNIOS S2222
 FWHM / FWTM 50.0 + 10.0° / 67.0 + 20.0°
 Efficiency 82 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



OSRAM

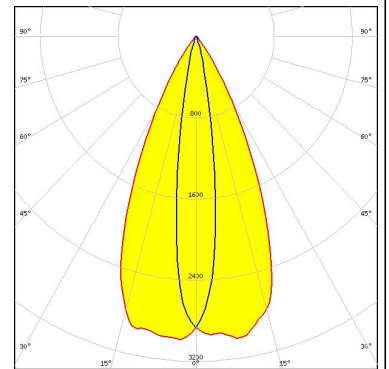
Opto Semiconductors

LED SYNIOS S2222
 FWHM / FWTM 48.0 + 8.0° / 65.0 + 20.0°
 Efficiency 83 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



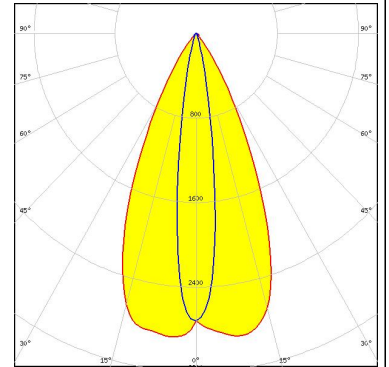
SAMSUNG

LED LH351B
 FWHM / FWTM 15.0 + 49.0°
 Efficiency 81 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

LED Z5M4
 FWHM / FWTM 48.0 + 16.0° / 72.0 + 30.0°
 Efficiency 81 %
 Peak intensity 2.9 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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