

LISA3-M-PIN

~25° medium beam with location pin installation

SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	7.9 mm
Fastening	glue
ROHS compliant	yes ⓘ

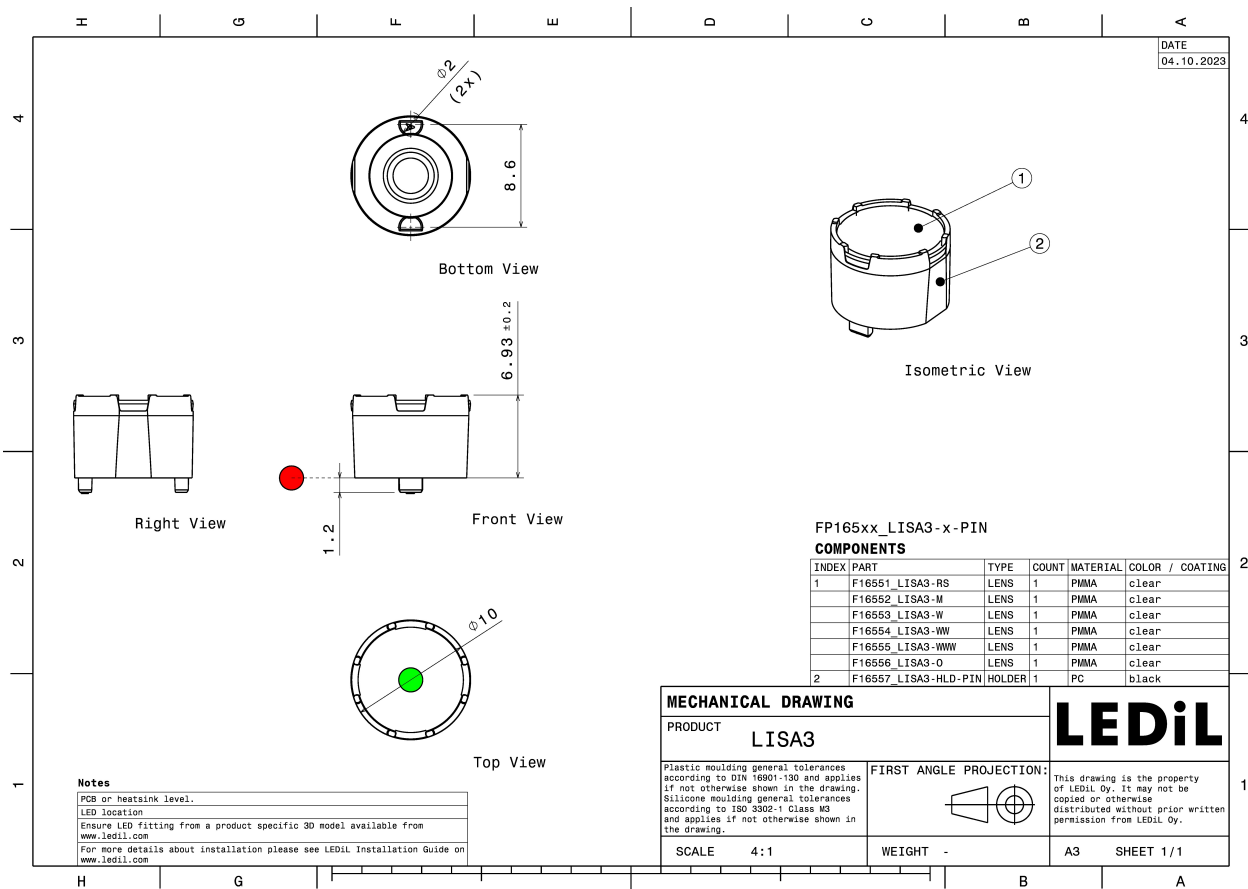
MATERIALS:

Component	Type	Material	Colour	Finish
LISA3-M	Single lens	PMMA	clear	
LISA3-HLD-PIN	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16559_LISA3-M-PIN	Single lens	2000	300	100	1.3
» Box size: 310 x 230 x 60 mm					



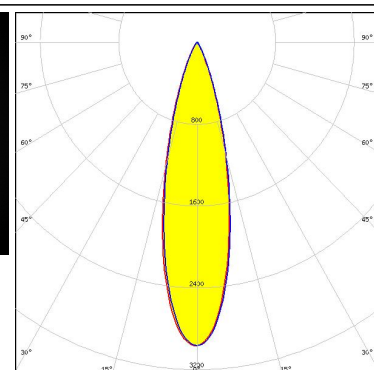
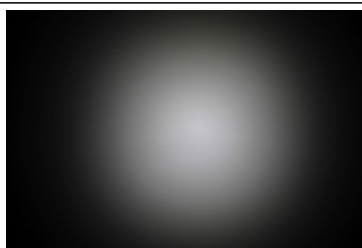


See also our general installation guide: www.ledil.com/installation_guide

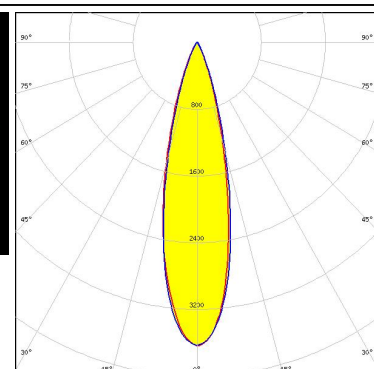
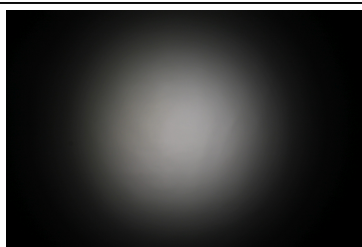
OPTICAL RESULTS (MEASURED):



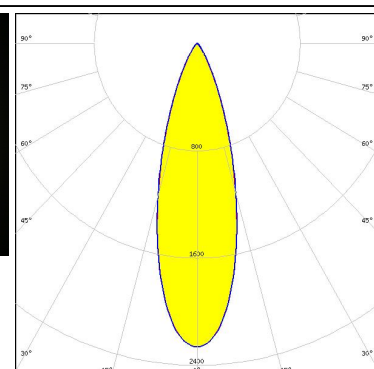
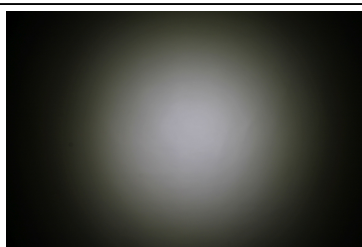
LED XD16
FWHM / FWTM 26.0° / 49.0°
Efficiency 76 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



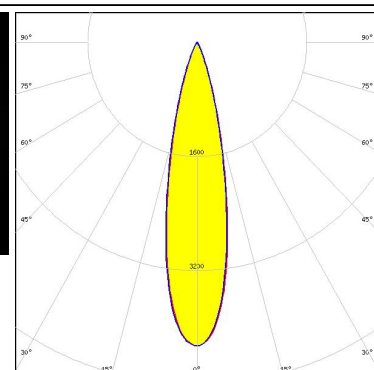
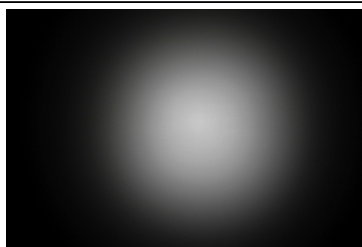
LED XP-E2
FWHM / FWTM 25.0° / 47.0°
Efficiency 88 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G3
FWHM / FWTM 31.0° / 58.0°
Efficiency 81 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



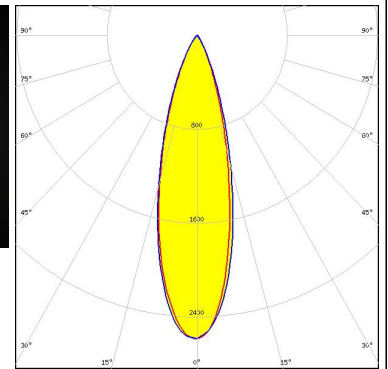
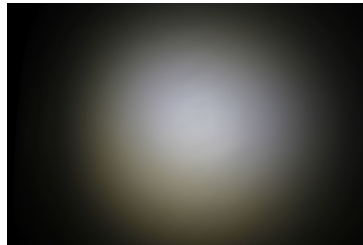
LED LUXEON CZ
FWHM / FWTM 23.0° / 43.0°
Efficiency 87 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



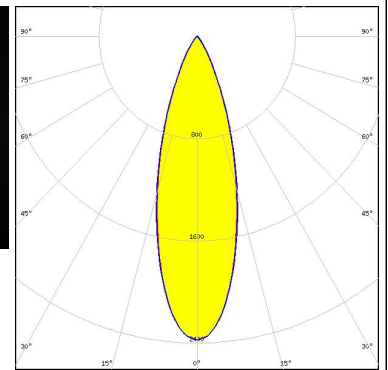
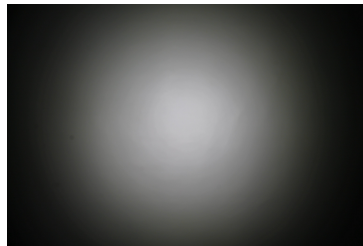
OPTICAL RESULTS (MEASURED):



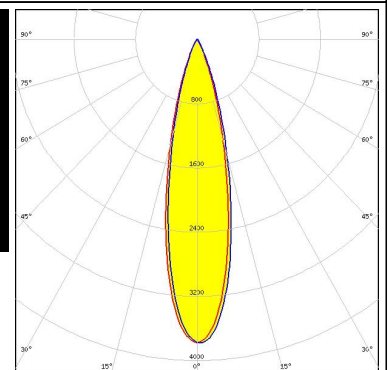
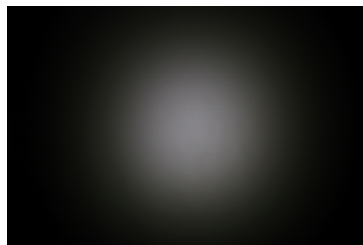
LED NF2x757G
FWHM / FWTM 28.0° / 54.0°
Efficiency 79 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



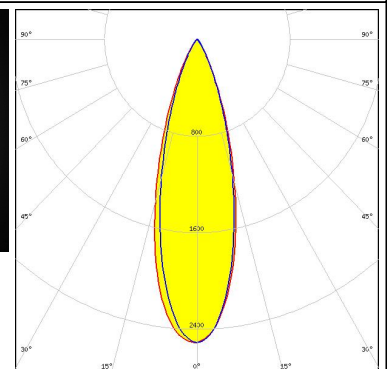
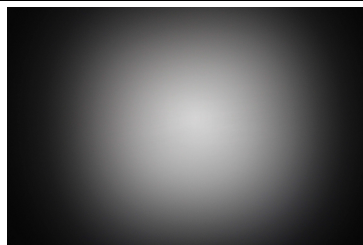
LED NVSW219F
FWHM / FWTM 32.0° / 59.0°
Efficiency 88 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSCONIQ C 2424
FWHM / FWTM 24.0° / 46.0°
Efficiency 87 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



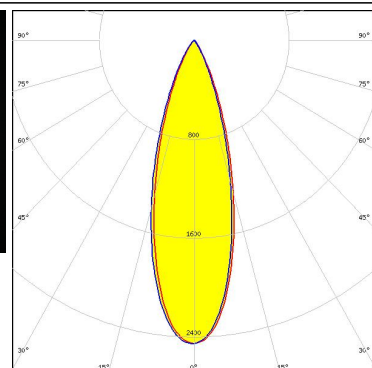
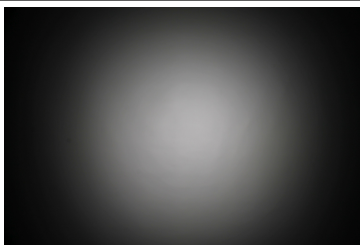
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 30.0° / 55.0°
Efficiency 87 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



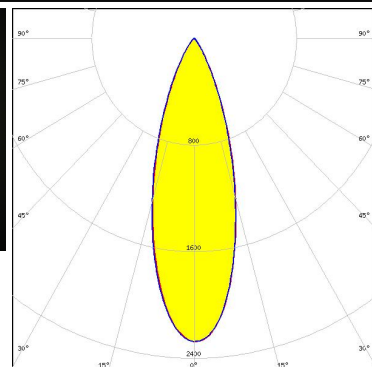
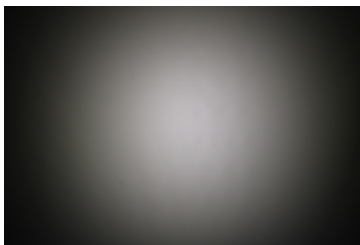
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED LH351C
FWHM / FWTM 31.0° / 58.0°
Efficiency 89 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



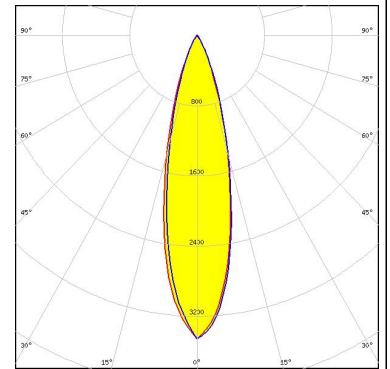
LED Z5M4
FWHM / FWTM 33.0° / 61.0°
Efficiency 88 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



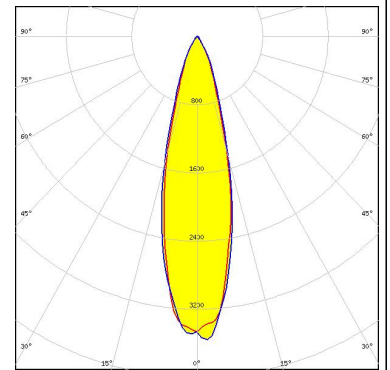
OPTICAL RESULTS (SIMULATED):



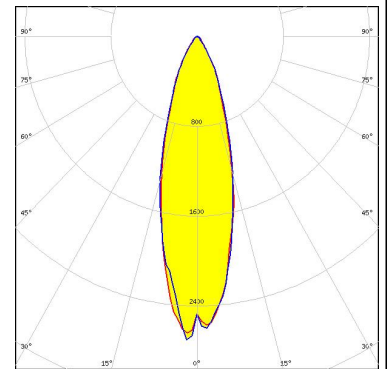
LED J Series 2835
FWHM / FWTM 25.0° / 50.0°
Efficiency 88 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



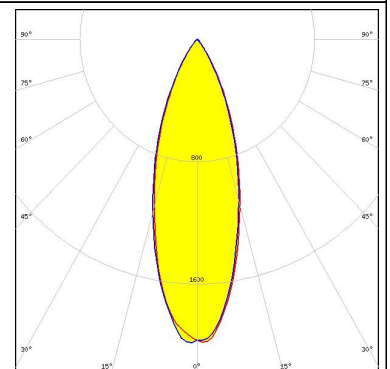
LED XP-E
FWHM / FWTM 28.0° / 45.0°
Efficiency 90 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G
FWHM / FWTM 30.0° / 50.0°
Efficiency 88 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



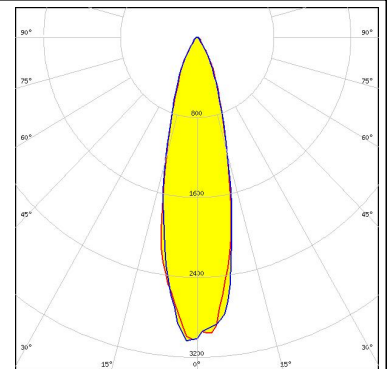
LED XP-G2 HE
FWHM / FWTM 34.0° / 66.0°
Efficiency 86 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



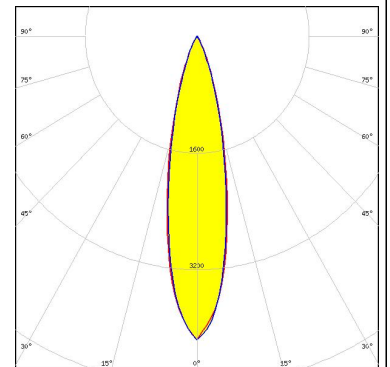
OPTICAL RESULTS (SIMULATED):



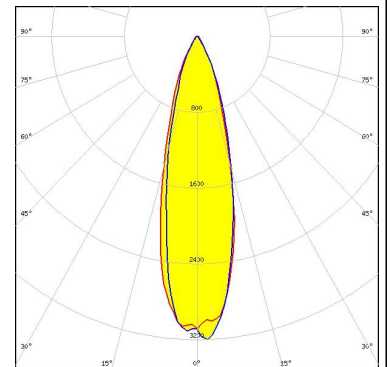
LED XT-E
FWHM / FWTM 24.0° / 46.0°
Efficiency 82 %
Peak intensity 3.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:



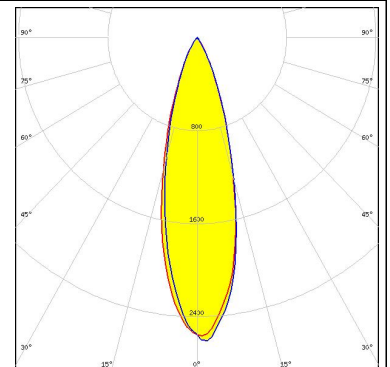
LED LUXEON 2835 Line
FWHM / FWTM 23.0° / 46.0°
Efficiency 89 %
Peak intensity 4.2 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 3030 2D (Round LES)
FWHM / FWTM 25.0° / 45.0°
Efficiency 85 %
Peak intensity 4.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



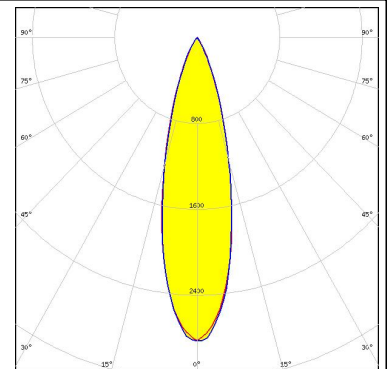
LED LUXEON C
FWHM / FWTM 28.0° / 54.0°
Efficiency 75 %
Peak intensity 2.6 cd/Im
LEDs/each optic 1
Light colour Deep Red
Required components:



OPTICAL RESULTS (SIMULATED):

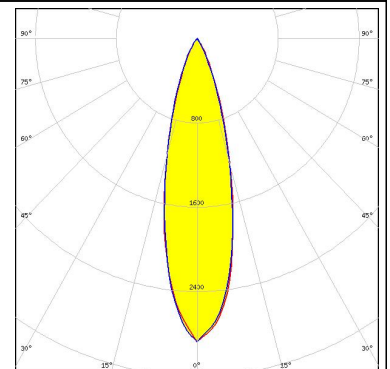
LUMILEDS

LED LUXEON C
FWHM / FWTM 26.0° / 52.0°
Efficiency 76 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour Green
Required components:



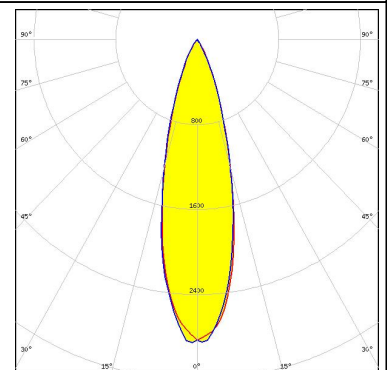
LUMILEDS

LED LUXEON C
FWHM / FWTM 27.0° / 51.0°
Efficiency 76 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour Royal Blue
Required components:



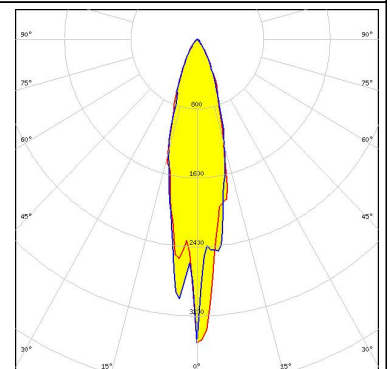
LUMILEDS

LED LUXEON C
FWHM / FWTM 28.0° / 52.0°
Efficiency 80 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

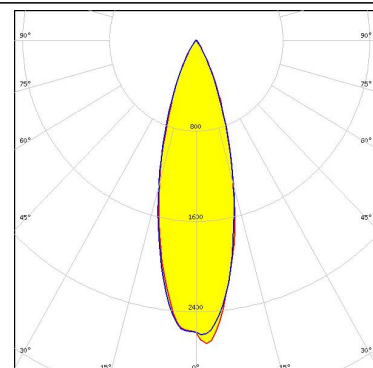
LED LUXEON TX
FWHM / FWTM 28.0° / 50.0°
Efficiency 87 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

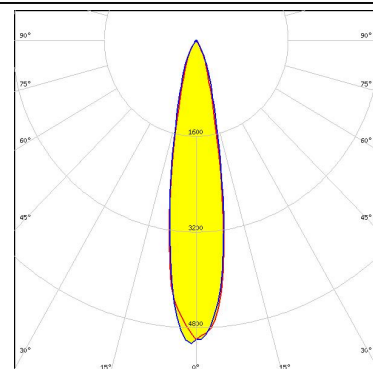
LUMILEDS

LED LUXEON V2
FWHM / FWTM 30.0° / 56.0°
Efficiency 90 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



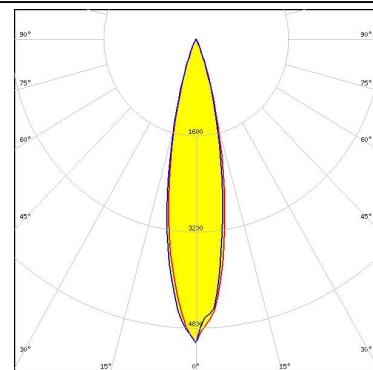
LUMILEDS

LED LUXEON Z
FWHM / FWTM 20.0° / 38.0°
Efficiency 88 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



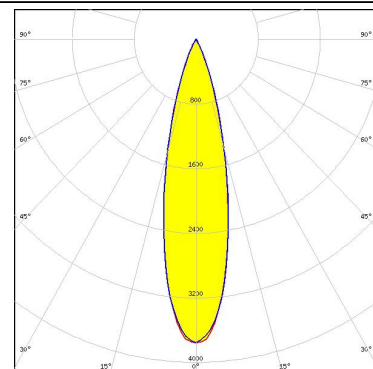
LUMILEDS

LED LUXEON Z ES
FWHM / FWTM 22.0° / 41.0°
Efficiency 89 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMINUS

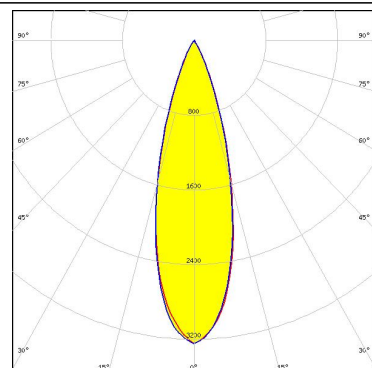
LED SST-20
FWHM / FWTM 26.0° / 46.0°
Efficiency 87 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



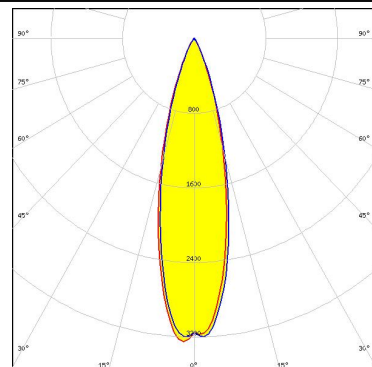
OPTICAL RESULTS (SIMULATED):



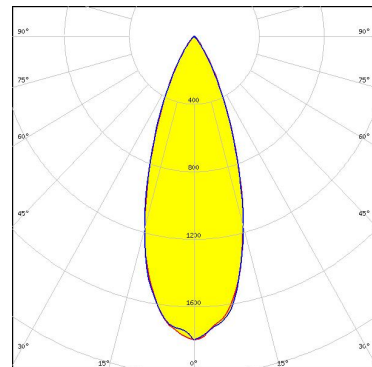
LED NCSU276C
FWHM / FWTM 30.0° / 52.0°
Efficiency 89 %
LEDs/each optic 1
Light colour UV-A
Required components:



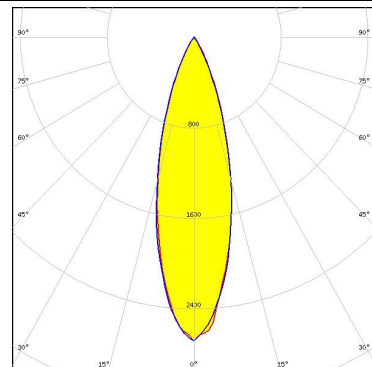
LED NCSxx19B
FWHM / FWTM 26.0° / 49.0°
Efficiency 83 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NV4WB35AM
FWHM / FWTM 38.0° / 66.0°
Efficiency 85 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19B/NVSxx19C
FWHM / FWTM 29.0° / 56.0°
Efficiency 86 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

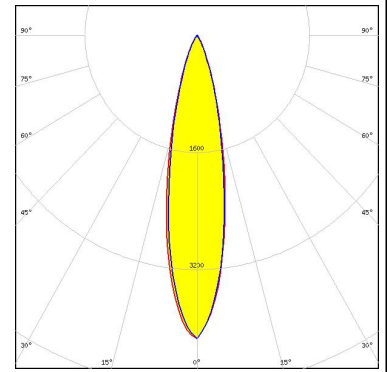


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

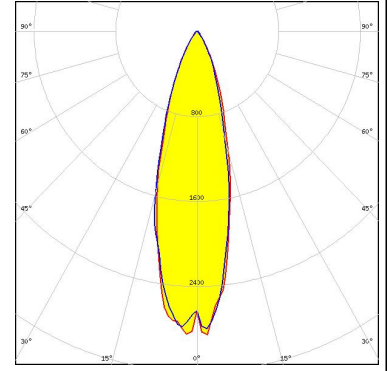
LED Duris E 2835
FWHM / FWTM 23.0° / 46.0°
Efficiency 87 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

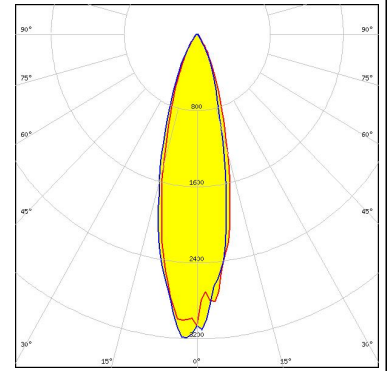
LED Duris S5 (2 chip)
FWHM / FWTM 25.0° / 45.0°
Efficiency 89 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

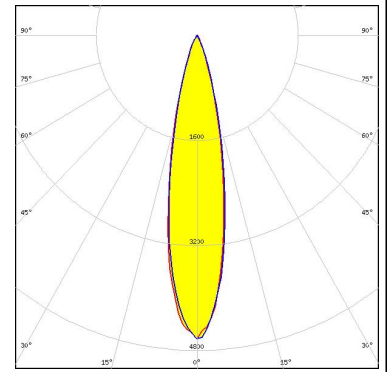
LED Duris S5 (Single chip)
FWHM / FWTM 25.0° / 45.0°
Efficiency 86 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSCONIQ P 3030
FWHM / FWTM 22.0° / 42.0°
Efficiency 85 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

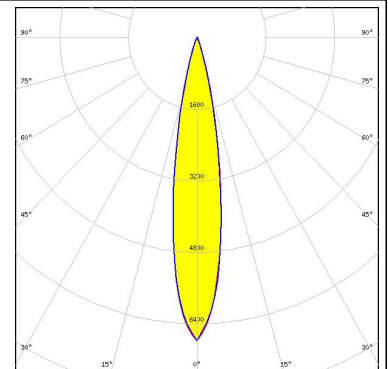


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

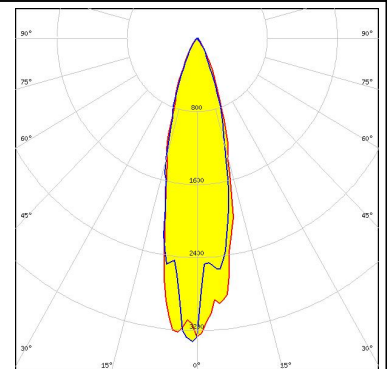
LED OSLON Black
FWHM / FWTM 18.0° / 34.0°
Efficiency 88 %
Peak intensity 6.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

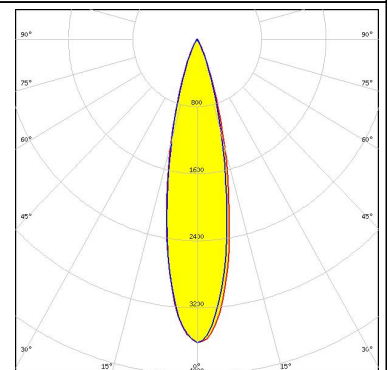
LED OSLON Square EC
FWHM / FWTM 26.0° / 49.0°
Efficiency 88 %
Peak intensity 3.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

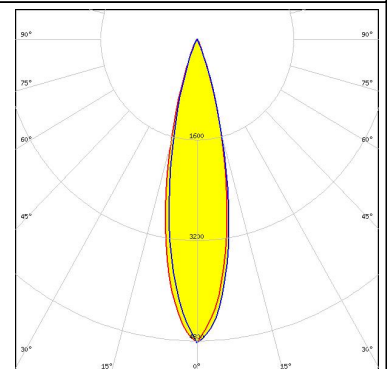
LED OSLON Square Flat
FWHM / FWTM 24.0° / 45.0°
Efficiency 78 %
Peak intensity 3.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSLON SSL 120
FWHM / FWTM 23.0° / 41.0°
Efficiency 91 %
Peak intensity 4.8 cd/Im
LEDs/each optic 1
Light colour Hyper Red
Required components:

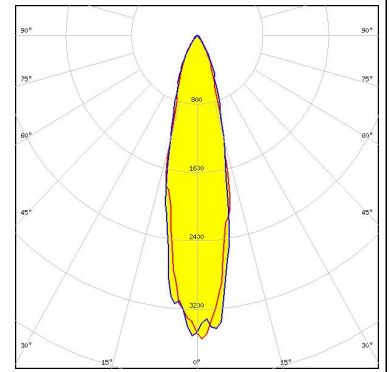


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

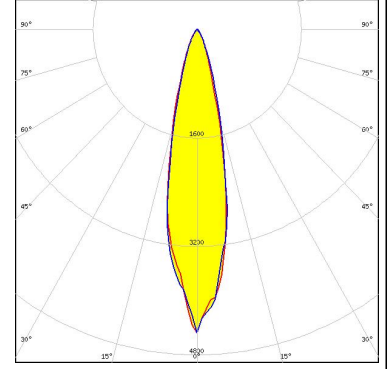
LED OSLON SSL 150
 FWHM / FWTM 25.0° / 45.0°
 Efficiency 89 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

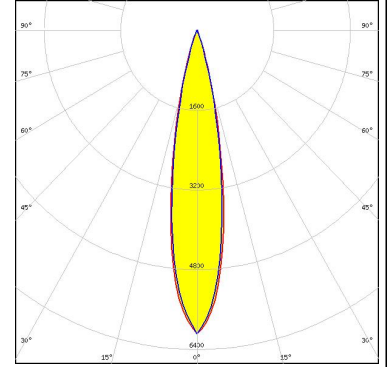
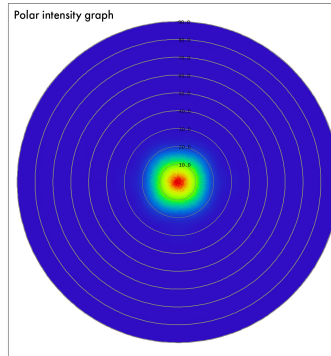
LED OSLON SSL 80
 FWHM / FWTM 21.0° / 40.0°
 Efficiency 87 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

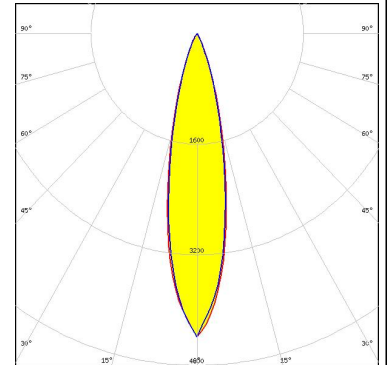
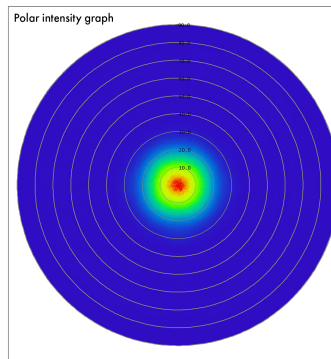
LED SFH 4715S
 FWHM / FWTM 20.0° / 35.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OSRAM

Opto Semiconductors

LED SFH 4716S
 FWHM / FWTM 22.0° / 44.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour IR
 Required components:

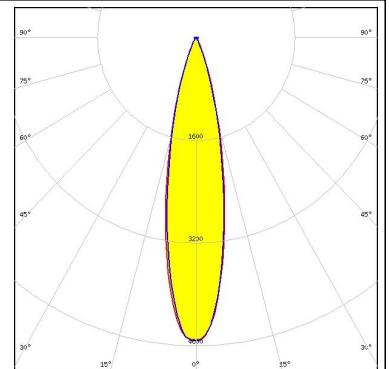


OPTICAL RESULTS (SIMULATED):

OSRAM

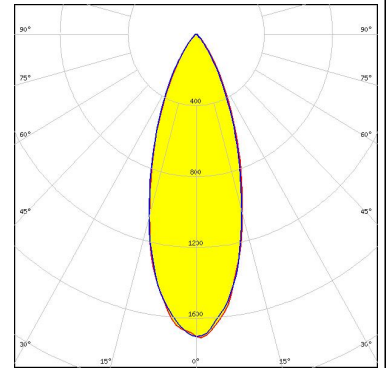
Opto Semiconductors

LED SYNIOS S2222
FWHM / FWTM 23.0° / 44.0°
Efficiency 97 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



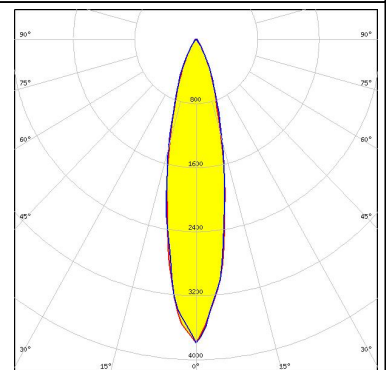
SAMSUNG

LED LH351D
FWHM / FWTM 36.0° / 70.0°
Efficiency 85 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



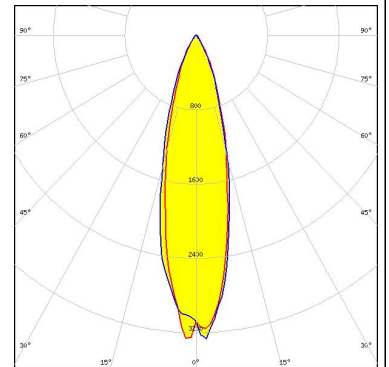
SAMSUNG

LED LM301A
FWHM / FWTM 22.0° / 41.0°
Efficiency 87 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

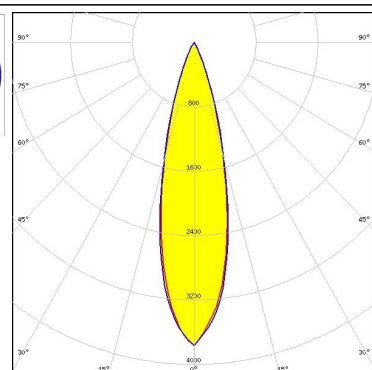
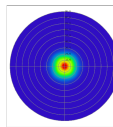
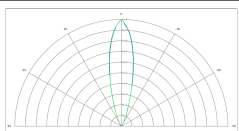
LED LM302A
FWHM / FWTM 25.0° / 47.0°
Efficiency 87 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



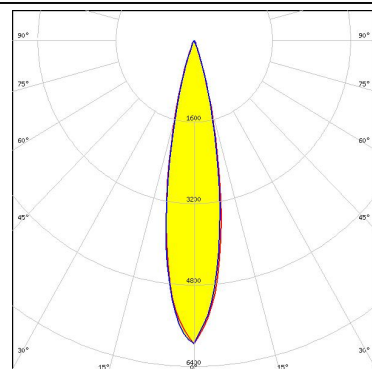
OPTICAL RESULTS (SIMULATED):



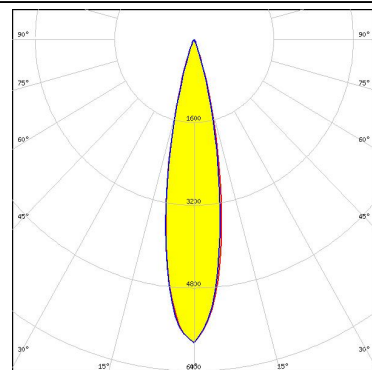
LED FWR1108MS
FWHM / FWTM 25.0° / 46.0°
Efficiency 89 %
LEDs/each optic 1
Light colour IR
Required components:



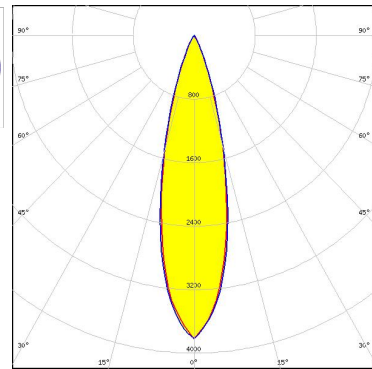
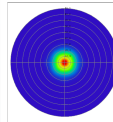
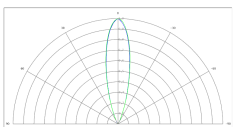
LED MFN1108MS
FWHM / FWTM 21.0° / 37.0°
Efficiency 91 %
Peak intensity 6 cd/m²
LEDs/each optic 1
Light colour IR
Required components:



LED MGN1108MS
FWHM / FWTM 22.0° / 37.0°
Efficiency 91 %
Peak intensity 5.9 cd/m²
LEDs/each optic 1
Light colour IR
Required components:



LED MJN1108MS
FWHM / FWTM 25.0° / 46.0°
Efficiency 90 %
LEDs/each optic 1
Light colour IR
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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