

TINA-Y-RS

~14° spot beam. Assembly with holder, installation tape and pins.

SPECIFICATION:

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

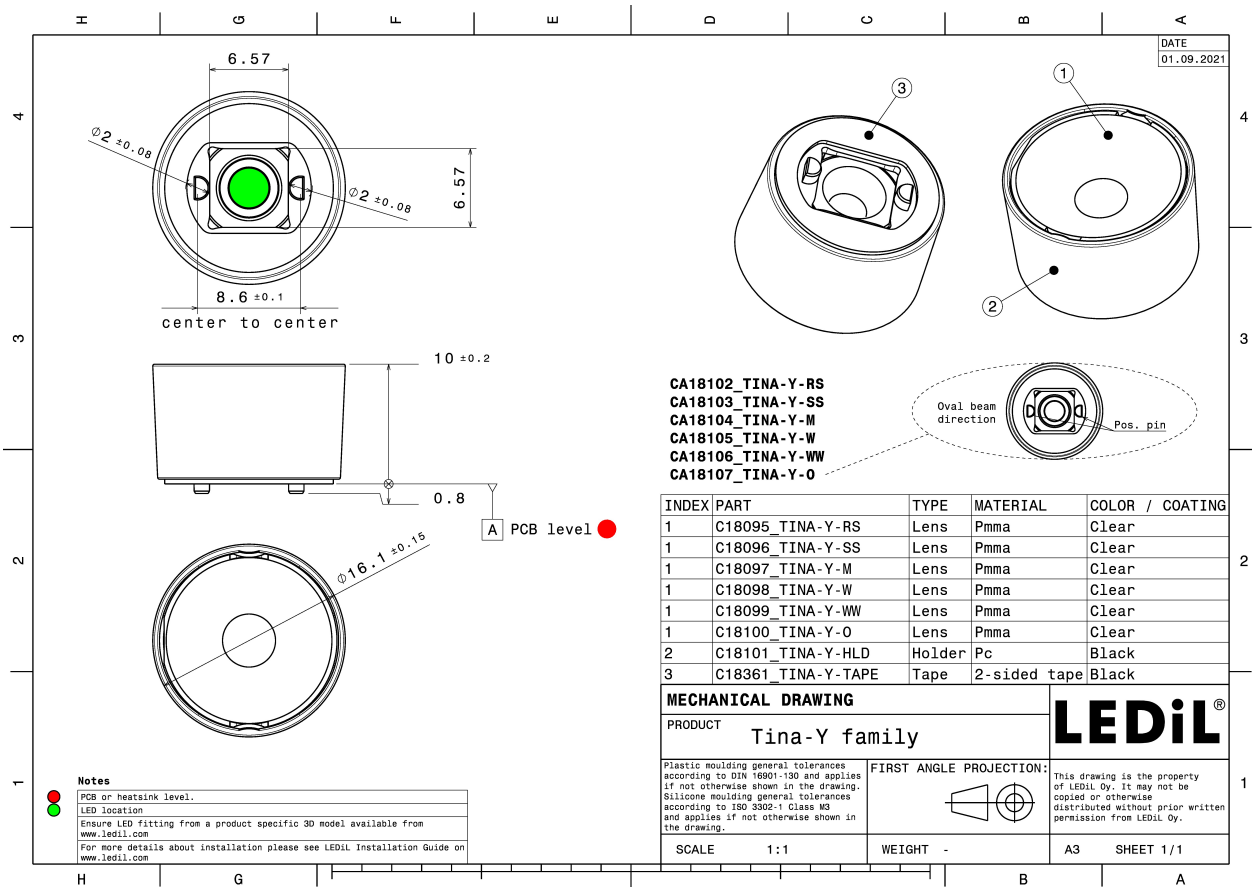
MATERIALS:

Component	Type	Material	Colour	Finish
TINA-Y-RS	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)
CA18102_TINA-Y-RS » Box size: 476 x 273 x 197 mm	3900	300	300	5.6



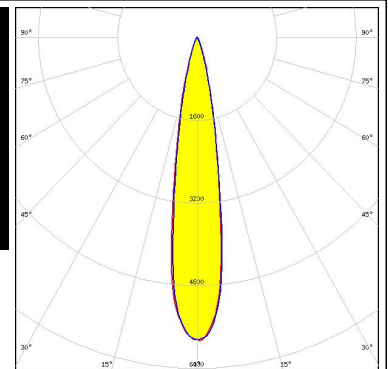


See also our general installation guide: www.ledil.com/installation_guide

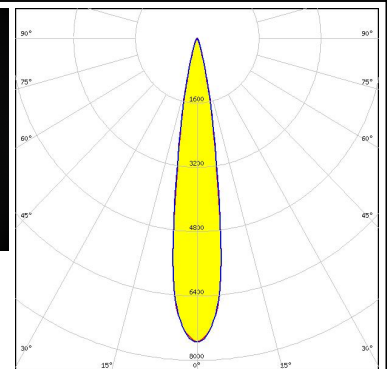
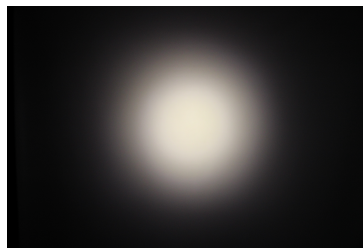
OPTICAL RESULTS (MEASURED):



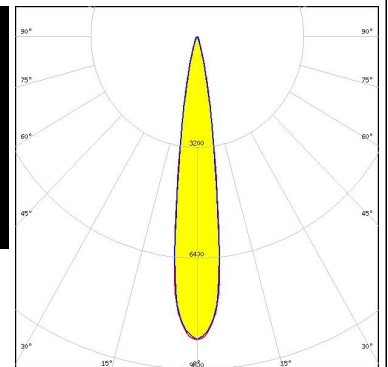
LED XP-G3
FWHM / FWTM 18.0° / 35.0°
Efficiency 81 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



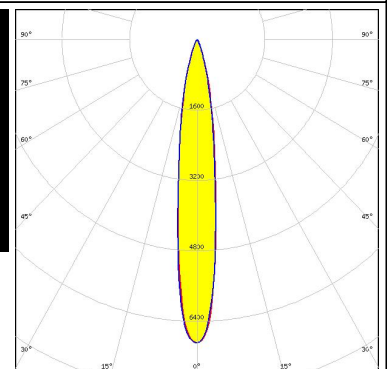
LED XP-G4
FWHM / FWTM 17.0° / 31.0°
Efficiency 87 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW719AC
FWHM / FWTM 16.0° / 29.0°
Efficiency 88 %
Peak intensity 8.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



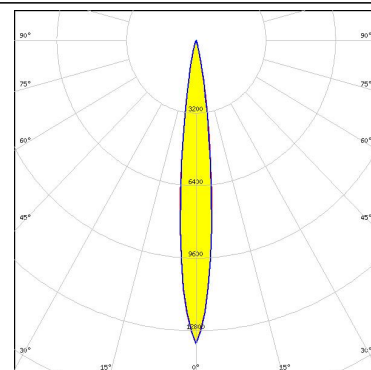
LED OSCONIQ C 3030
FWHM / FWTM 15.0° / 35.0°
Efficiency 83 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



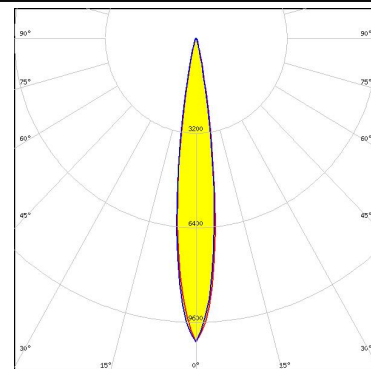
OPTICAL RESULTS (SIMULATED):



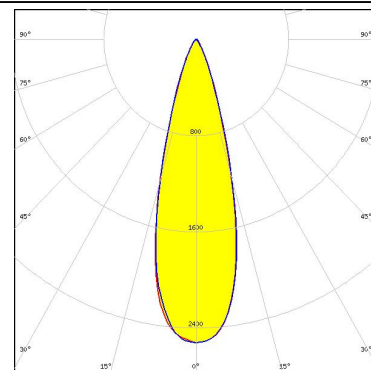
LED XD16 Premium
FWHM / FWTM 12.0° / 24.0°
Efficiency 86 %
Peak intensity 13.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



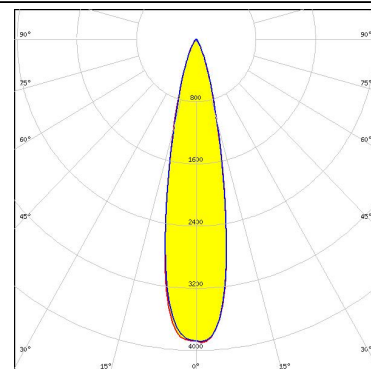
LED XE-G
FWHM / FWTM 14.0° / 26.0°
Efficiency 87 %
Peak intensity 10.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XHP35.2 HD
FWHM / FWTM 30.0° / 52.0°
Efficiency 76 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



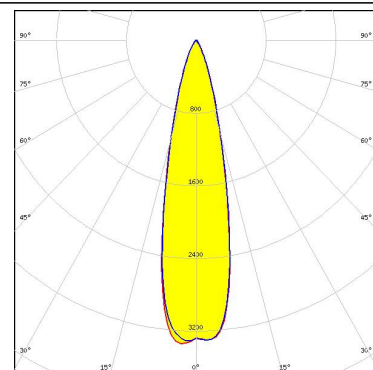
LED XHP35.2 HI
FWHM / FWTM 22.0° / 44.0°
Efficiency 84 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



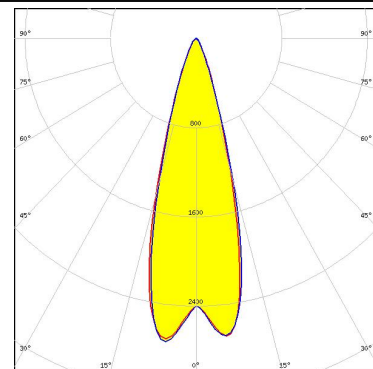
OPTICAL RESULTS (SIMULATED):



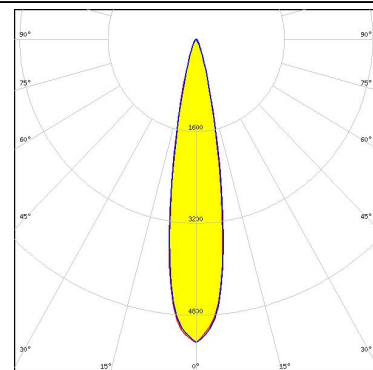
LED XHP50.3 HI
FWHM / FWTM 24.0° / 48.0°
Efficiency 82 %
Peak intensity 3.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:



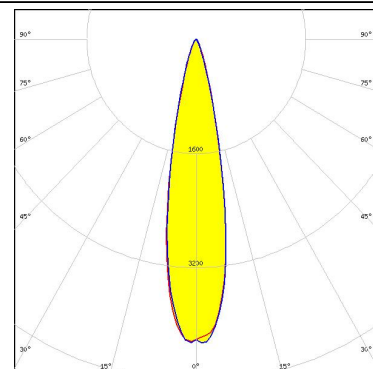
LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 30.0° / 49.0°
Efficiency 85 %
Peak intensity 2.8 cd/Im
LEDs/each optic 1
Light colour RGBW
Required components:



LED XM-L RGBW (XMLDCL HI)
FWHM / FWTM 20.0° / 37.0°
Efficiency 85 %
Peak intensity 5.3 cd/Im
LEDs/each optic 1
Light colour RGBW
Required components:



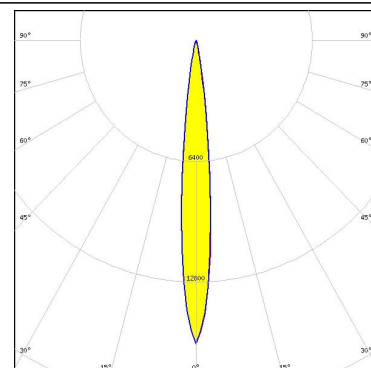
LED XM-L3
FWHM / FWTM 21.0° / 40.0°
Efficiency 81 %
Peak intensity 4.3 cd/Im
LEDs/each optic 1
Light colour White
Required components:



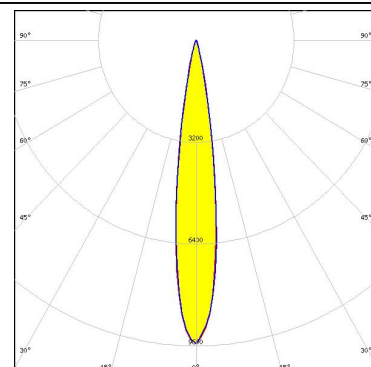
OPTICAL RESULTS (SIMULATED):



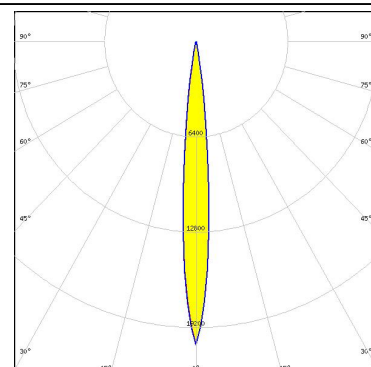
LED XP-E2
FWHM / FWTM 11.0° / 22.0°
Efficiency 88 %
Peak intensity 16 cd/Im
LEDs/each optic 1
Light colour White
Required components:



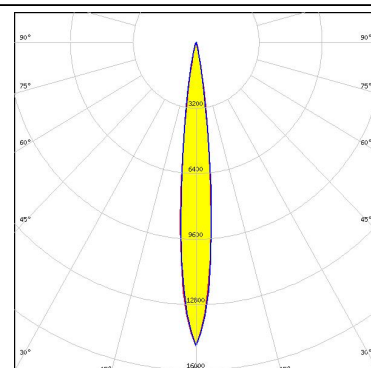
LED XP-G2
FWHM / FWTM 15.0° / 28.0°
Efficiency 88 %
Peak intensity 9.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED XP-P
FWHM / FWTM 10.0° / 20.0°
Efficiency 89 %
Peak intensity 20.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:



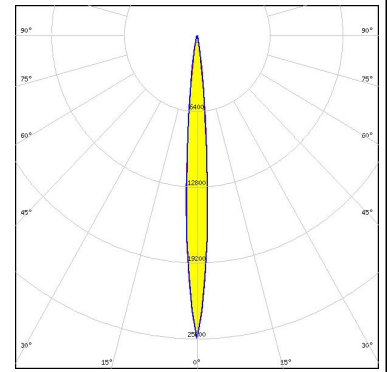
LED XQ-E HD
FWHM / FWTM 12.0° / 22.0°
Efficiency 87 %
Peak intensity 14.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:



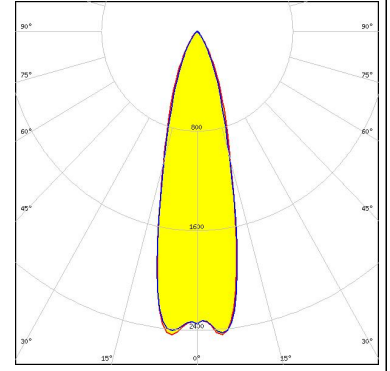
OPTICAL RESULTS (SIMULATED):



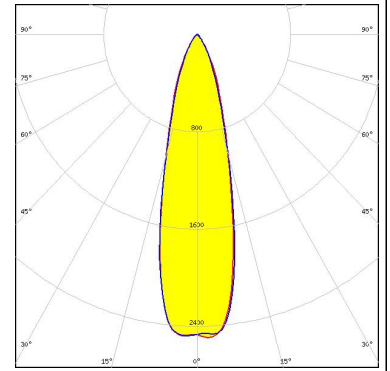
LED XQ-E HI
FWHM / FWTM 8.0° / 18.0°
Efficiency 87 %
Peak intensity 25.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



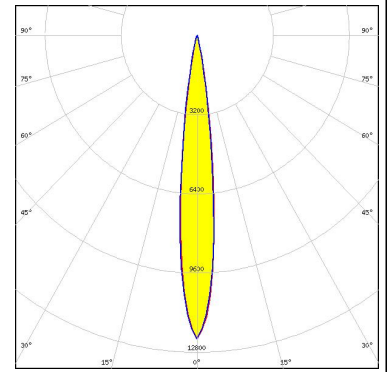
LED LUXEON 5050 Round LES
FWHM / FWTM 28.0° / 56.0°
Efficiency 81 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050 Square LES
FWHM / FWTM 26.0° / 56.0°
Efficiency 80 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



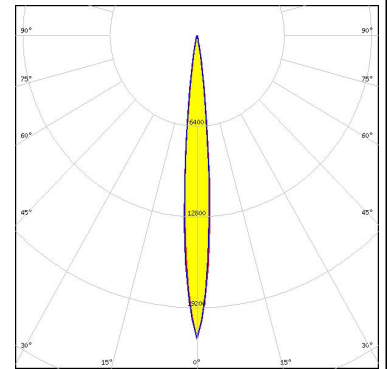
LED LUXEON C
FWHM / FWTM 12.0° / 24.0°
Efficiency 79 %
Peak intensity 12.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

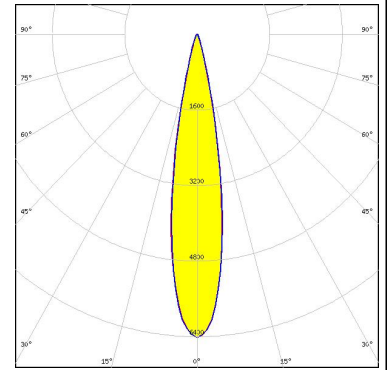
LUMILEDS

LED LUXEON CZ
FWHM / FWTM 10.0° / 19.0°
Efficiency 88 %
Peak intensity 21.4 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



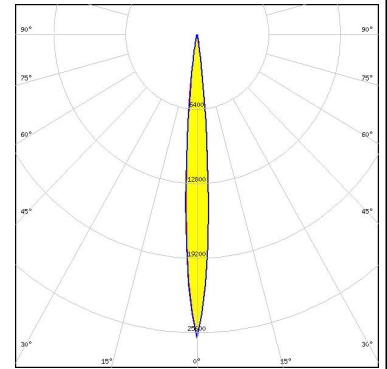
LUMILEDS

LED LUXEON HL2X
FWHM / FWTM 20.0° / 32.0°
Efficiency 87 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



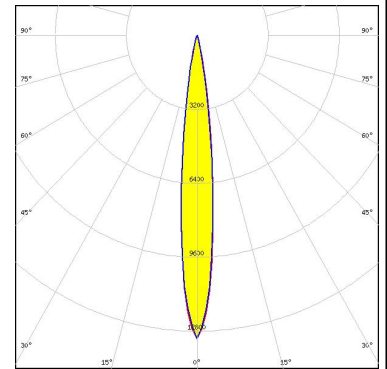
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 8.0° / 18.0°
Efficiency 89 %
Peak intensity 26.1 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



LUMILEDS

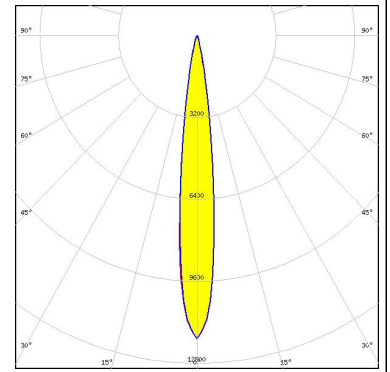
LED LUXEON Z ES
FWHM / FWTM 12.0° / 24.0°
Efficiency 87 %
Peak intensity 13.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



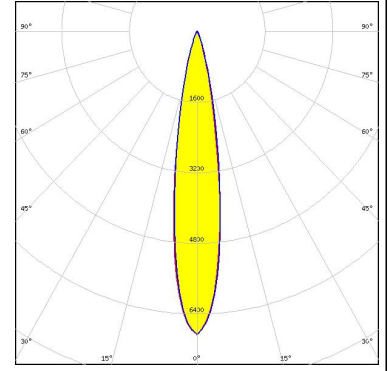
OPTICAL RESULTS (SIMULATED):



LED SST-20
FWHM / FWTM 12.0° / 26.0°
Efficiency 86 %
Peak intensity 11.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



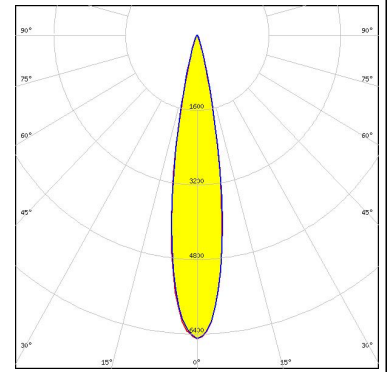
LED NF2W757H
FWHM / FWTM 18.0° / 34.0°
Efficiency 89 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NV4WB35AM
FWHM / FWTM 24.0° / 46.0°
Efficiency 86 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



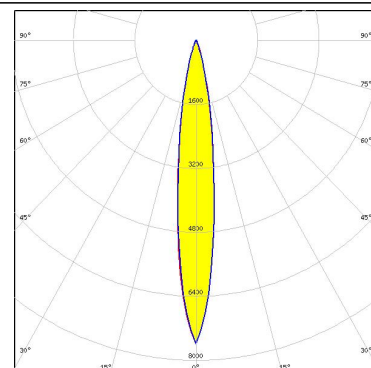
LED NVSW219F
FWHM / FWTM 19.0° / 32.0°
Efficiency 87 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



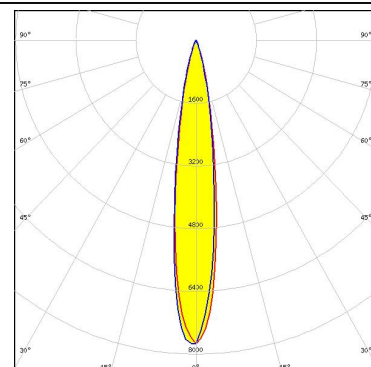
OPTICAL RESULTS (SIMULATED):



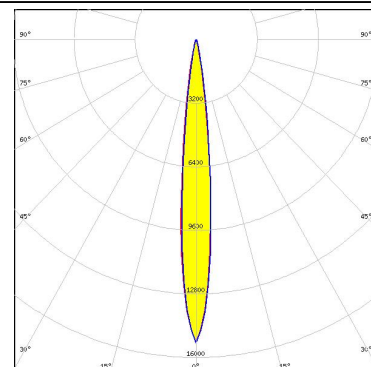
LED NVSxE21A
FWHM / FWTM 14.0° / 32.0°
Efficiency 80 %
Peak intensity 7.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:



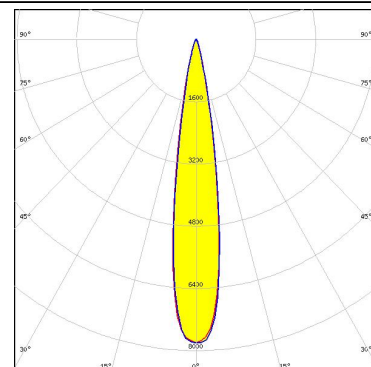
LED Duris S5 (2 chip)
FWHM / FWTM 15.0° / 33.0°
Efficiency 88 %
Peak intensity 7.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED OSOLON Square CSSRM2/CSSRM3
FWHM / FWTM 12.0° / 23.0°
Efficiency 87 %
Peak intensity 15.3 cd/Im
LEDs/each optic 1
Light colour Far Red
Required components:



LED OSOLON Square CSSRM2/CSSRM3
FWHM / FWTM 17.0° / 30.0°
Efficiency 87 %
Peak intensity 7.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:

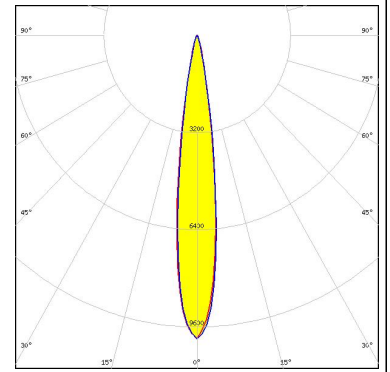


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

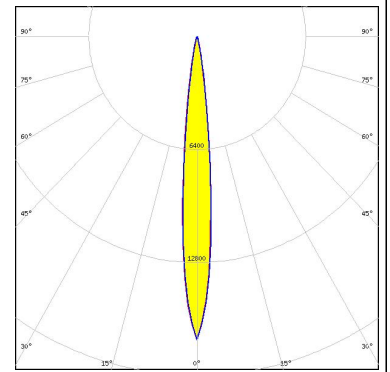
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 15.0° / 27.0°
Efficiency 88 %
Peak intensity 10 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 11.0° / 22.0°
Efficiency 88 %
Peak intensity 17.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

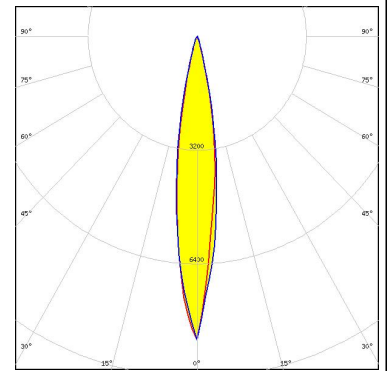
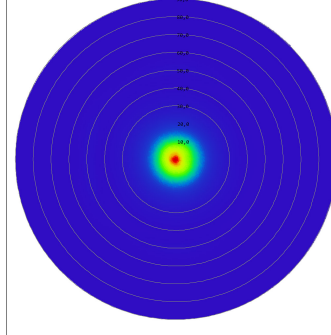


OSRAM

Opto Semiconductors

LED SFH 4715AS
FWHM / FWTM 16.0° / 30.0°
Efficiency 86 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour IR
Required components:

Polar intensity graph

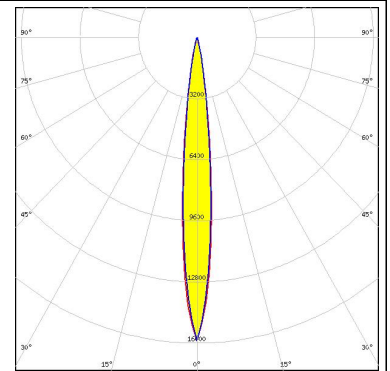
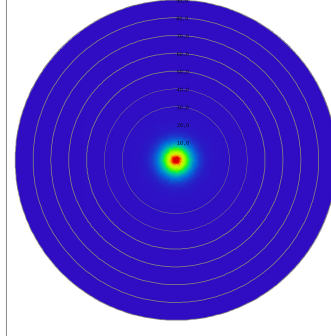


OSRAM

Opto Semiconductors

LED SFH 4716S
FWHM / FWTM 11.0° / 22.0°
Efficiency 86 %
LEDs/each optic 1
Light colour IR
Required components:

Polar intensity graph

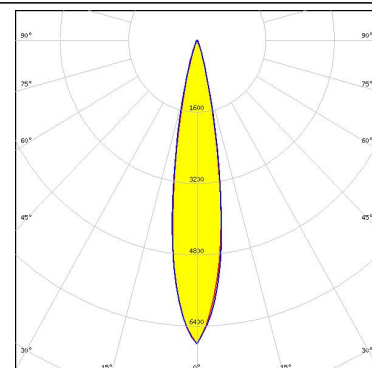
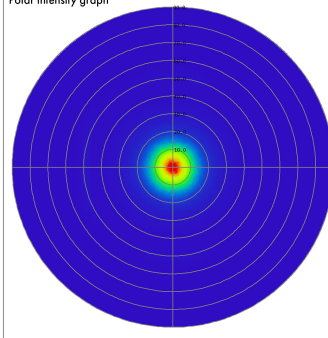


OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED SFH 4725AS
FWHM / FWTM 18.0° / 32.0°
Efficiency 87 %
LEDs/each optic 1
Light colour IR
Required components:

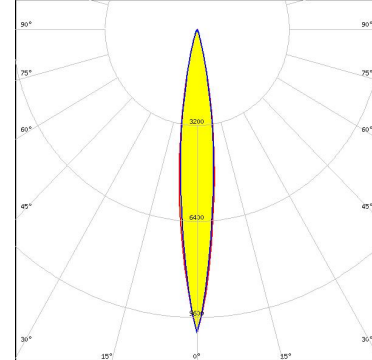
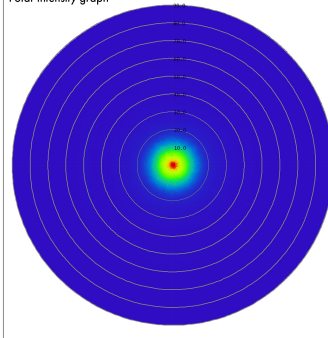
Polar intensity graph



OSRAM
Opto Semiconductors

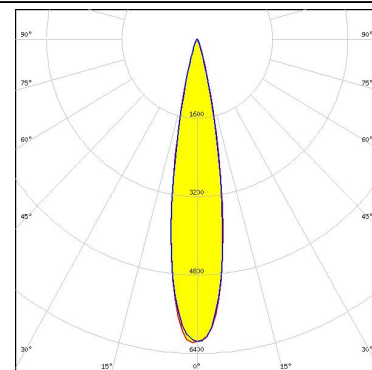
LED SFH 4725S
FWHM / FWTM 13.0° / 28.0°
Efficiency 87 %
LEDs/each optic 1
Light colour IR
Required components:

Polar intensity graph



SAMSUNG

LED LH351B
FWHM / FWTM 20.0° / 34.0°
Efficiency 86 %
Peak intensity 6.2 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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