

TINA2-RS

~14° spot beam optimized for Nichia NS6x83.
Assembly with holder and installation tape.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	11 mm
Fastening	tape
ROHS compliant	yes ⓘ

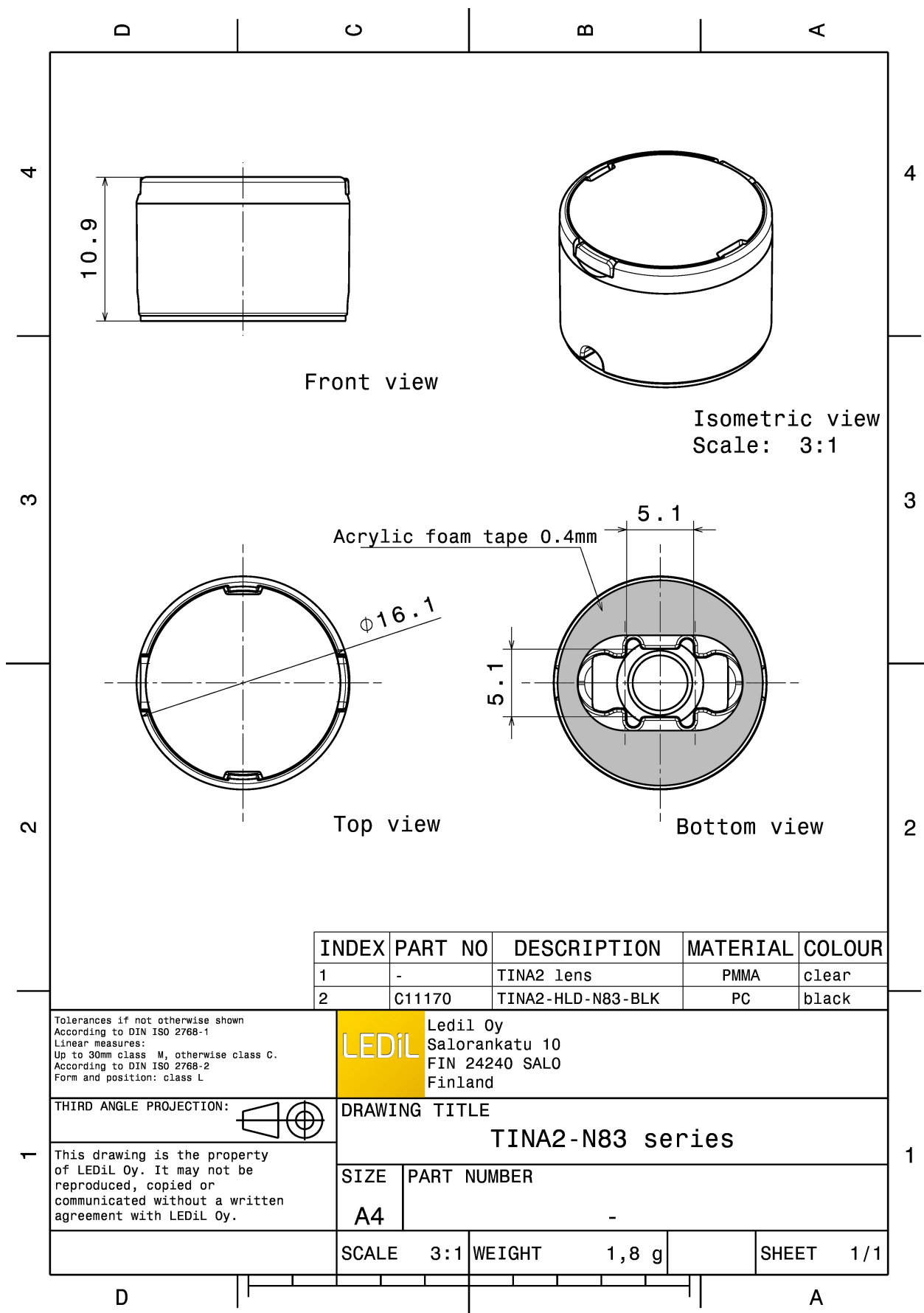


MATERIALS:

Component	Type	Material	Colour	Finish
TINA2-RS	Single lens	PMMA	clear	
TINA2-HLD-N83-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11171_TINA2-RS	Single lens	4140	230	230	8.4
» Box size: 451 x 241 x 298 mm					

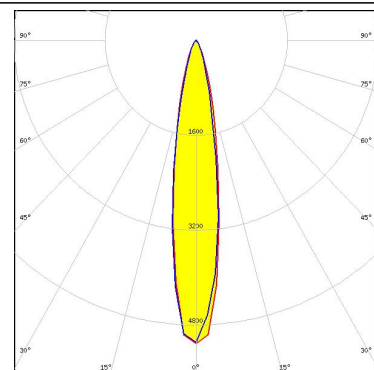


See also our general installation guide: www.ledil.com/installation_guide

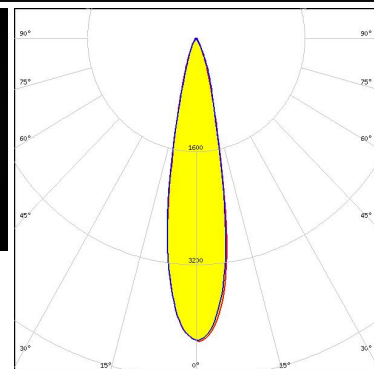
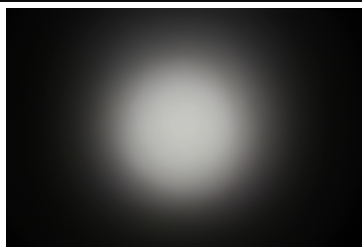
OPTICAL RESULTS (MEASURED):



LED MX-6
FWHM / FWTM 18.0° / 40.0°
Efficiency 89 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



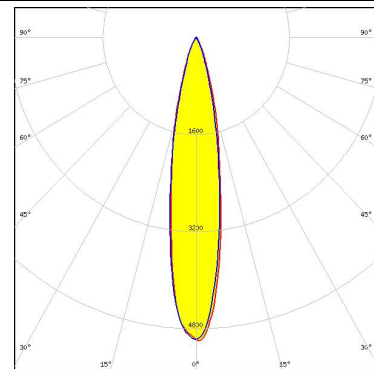
LED LUXEON V
FWHM / FWTM 21.0° / 41.0°
Efficiency 82 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NS3x83
FWHM / FWTM 15.0°
Efficiency 93 %
LEDs/each optic 1
Light colour White
Required components:



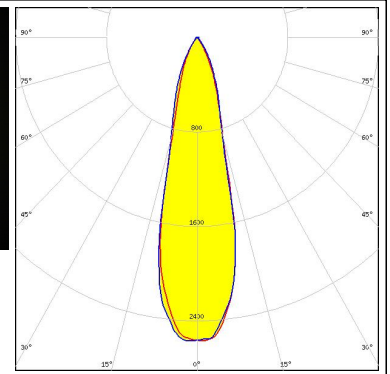
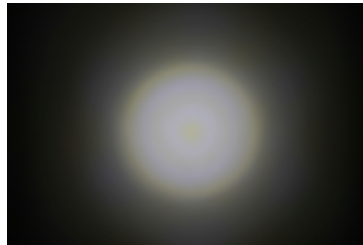
LED NS6x83
FWHM / FWTM 19.0° / 42.0°
Efficiency 93 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

SAMSUNG

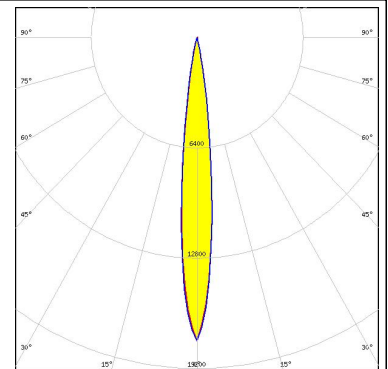
LED LH508A
FWHM / FWTM 26.0° / 53.0°
Efficiency 76 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



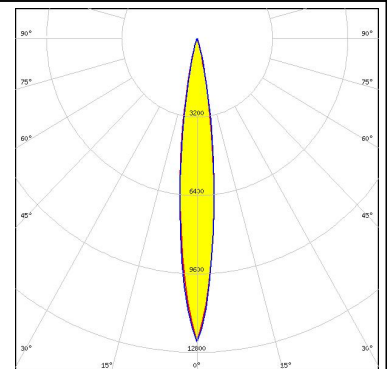
OPTICAL RESULTS (SIMULATED):



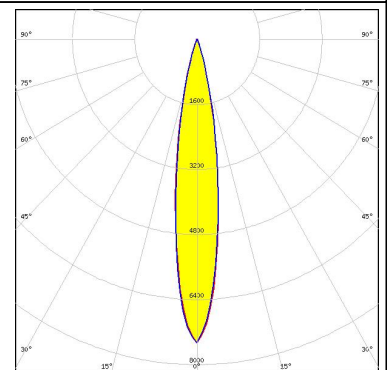
LED XP-E2
FWHM / FWTM 12.0° / 22.0°
Efficiency 91 %
Peak intensity 18.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



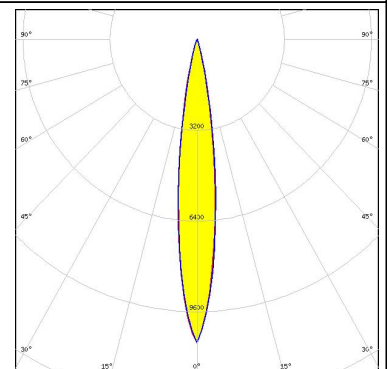
LED XP-G2
FWHM / FWTM 14.0° / 27.0°
Efficiency 91 %
Peak intensity 12.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G3
FWHM / FWTM 16.0° / 34.0°
Efficiency 87 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



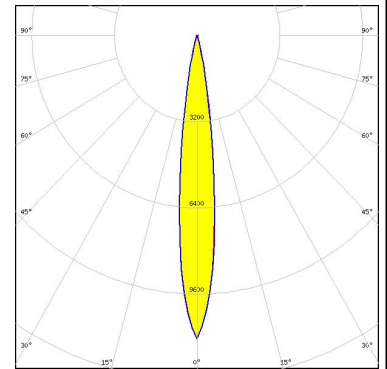
LED XP-L HI
FWHM / FWTM 14.0° / 28.0°
Efficiency 92 %
Peak intensity 10.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



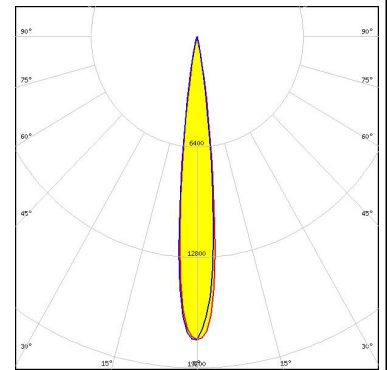
OPTICAL RESULTS (SIMULATED):



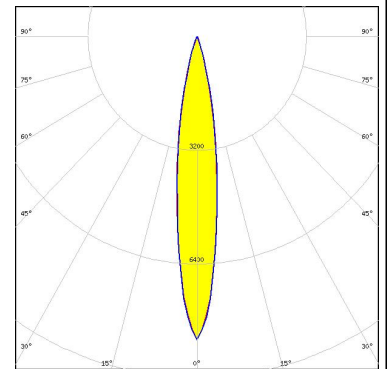
LED XT-E
FWHM / FWTM 14.0° / 26.0°
Efficiency 85 %
Peak intensity 11.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



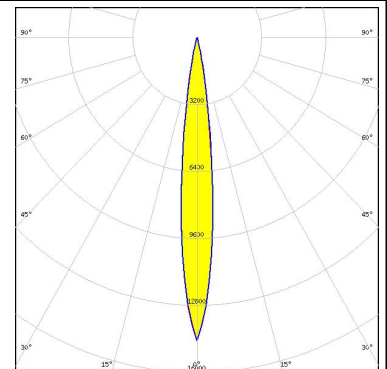
LED LUXEON CZ
FWHM / FWTM 12.0° / 22.0°
Efficiency 92 %
Peak intensity 17.7 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



LED LUXEON HL2X
FWHM / FWTM 16.0° / 32.0°
Efficiency 91 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



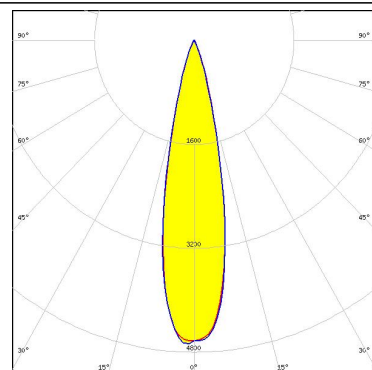
LED SST-20
FWHM / FWTM 12.0° / 24.0°
Efficiency 88 %
Peak intensity 14.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



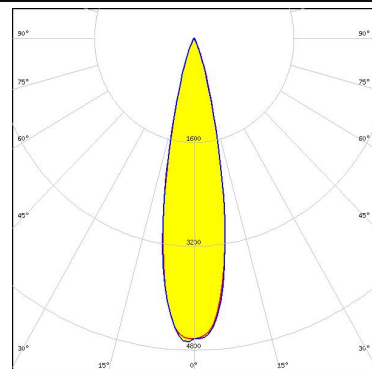
OPTICAL RESULTS (SIMULATED):



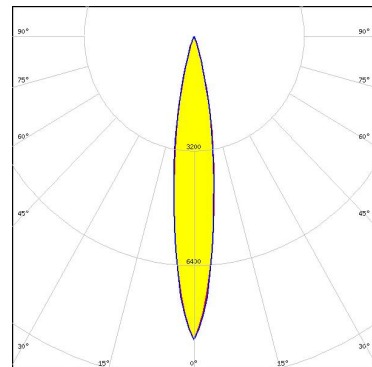
LED NV4WB35AM
FWHM / FWTM 22.0° / 40.0°
Efficiency 89 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



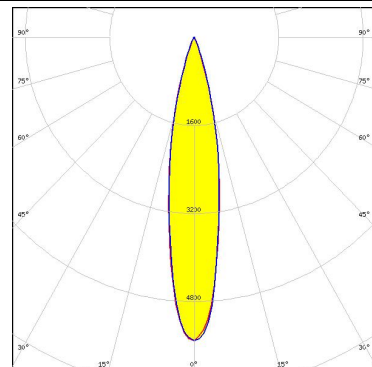
LED NV4WB35AM
FWHM / FWTM 22.0° / 40.0°
Efficiency 89 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW219F
FWHM / FWTM 16.0° / 32.0°
Efficiency 91 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



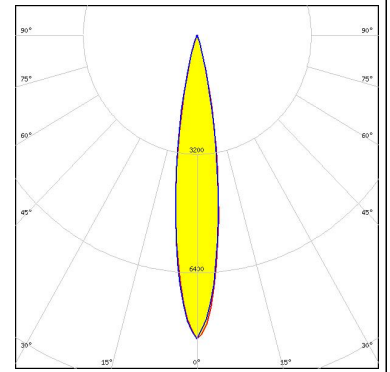
LED NVSW519A
FWHM / FWTM 20.0° / 39.0°
Efficiency 86 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



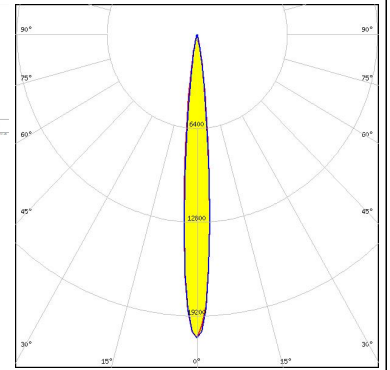
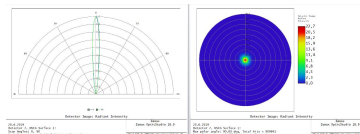
OPTICAL RESULTS (SIMULATED):



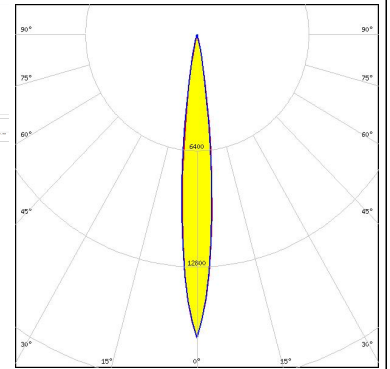
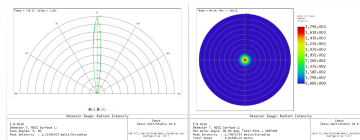
LED NVSxx19B/NVSxx19C
FWHM / FWTM 16.0° / 31.0°
Efficiency 86 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



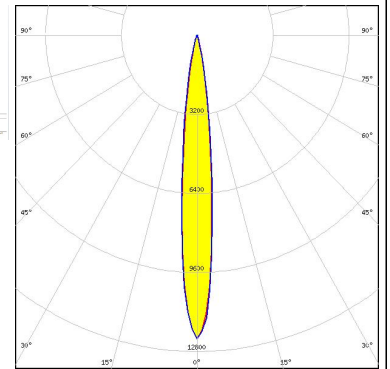
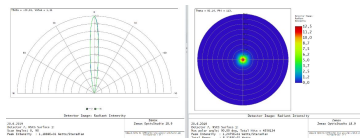
LED SFH 4715AS
FWHM / FWTM 10.0° / 20.0°
Efficiency 89 %
LEDs/each optic 1
Light colour IR
Required components:



LED SFH 4716AS
FWHM / FWTM 12.0° / 22.0°
Efficiency 88 %
LEDs/each optic 1
Light colour IR
Required components:



LED SFH 4717AS
FWHM / FWTM 12.0° / 25.0°
Efficiency 85 %
LEDs/each optic 1
Light colour IR
Required components:

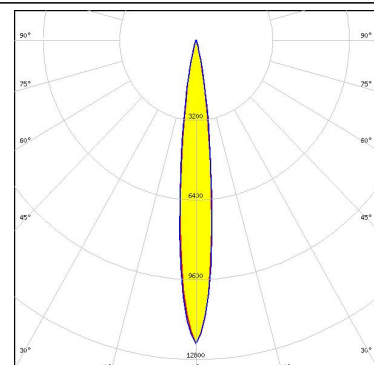
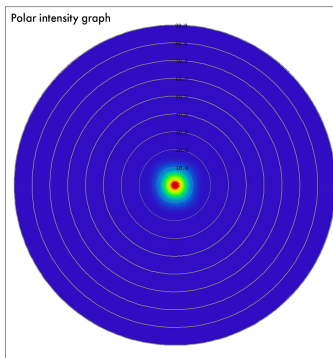


OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

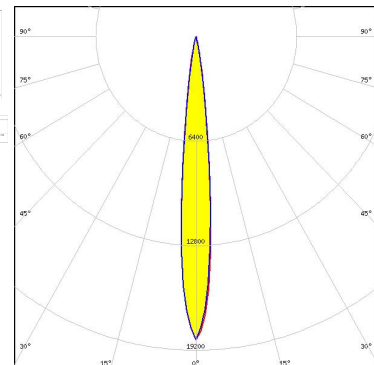
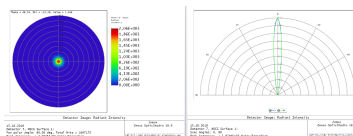
LED SFH 4725AS
FWHM / FWTM 10.0° / 20.0°
Efficiency 89 %
LEDs/each optic 1
Light colour IR
Required components:

Polar intensity graph



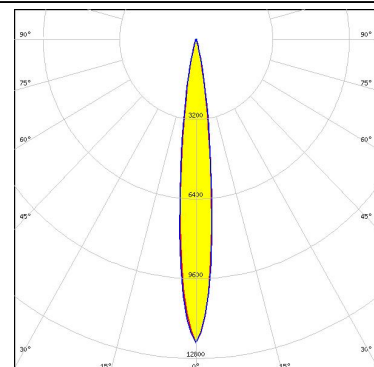
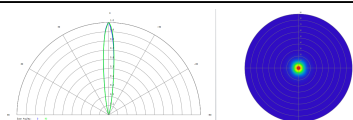
OSRAM
Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 12.0° / 20.0°
Efficiency 89 %
LEDs/each optic 1
Light colour IR
Required components:



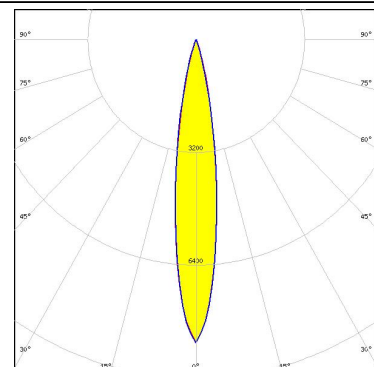
OSRAM
Opto Semiconductors

LED SFH 4727AS
FWHM / FWTM 13.0° / 25.0°
Efficiency 85 %
LEDs/each optic 1
Light colour IR
Required components:



SAMSUNG

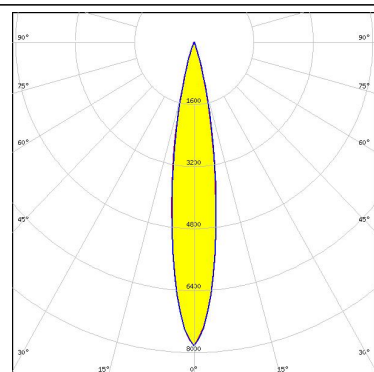
LED LH351B
FWHM / FWTM 16.0° / 32.0°
Efficiency 90 %
Peak intensity 8.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351C
FWHM / FWTM	18.0° / 33.0°
Efficiency	92 %
Peak intensity	7.8 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:

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