

VERONICA-SQ-RS

~13° spot beam

SPECIFICATION:

Dimensions	Ø 22.5
Height	12.2 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

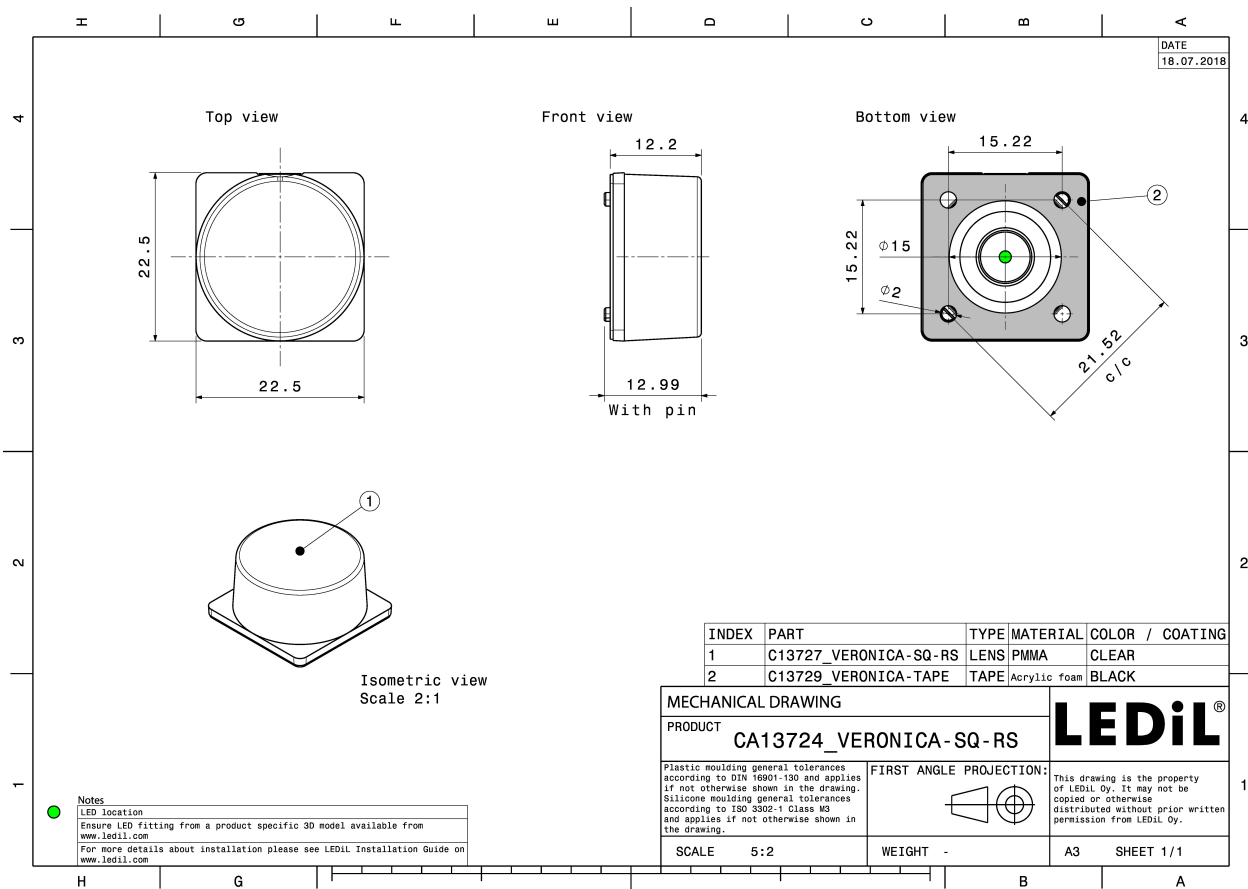
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
VERONICA-SQ-RS	Single lens	PMMA	clear		
VERONICA-TAPE	Tape	Acryl tape	clear		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13724_VERONICA-SQ-RS	Single lens	1980	360	90	8.2
» Box size: 476 x 273 x 197 mm					



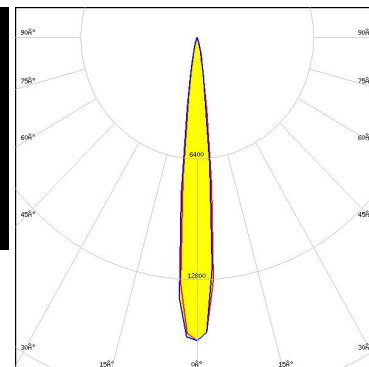


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



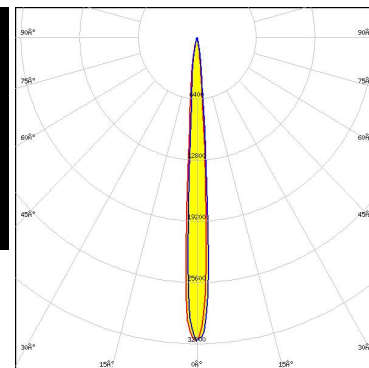
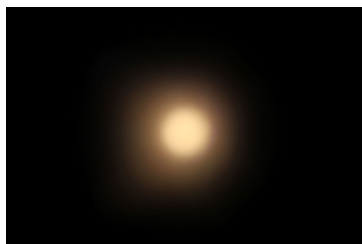
LED XB-H
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 87 %
 Peak intensity 16 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



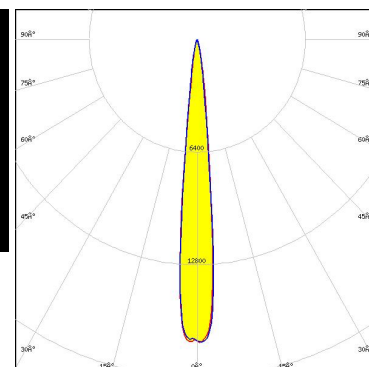
LED XP-E2
 FWHM / FWTM 7.0° / 17.0°
 Efficiency 97 %
 Peak intensity 31.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 90 %
 Peak intensity 18.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

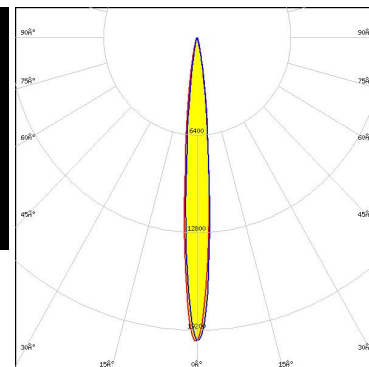


Light distribution files

OPTICAL RESULTS (MEASURED):



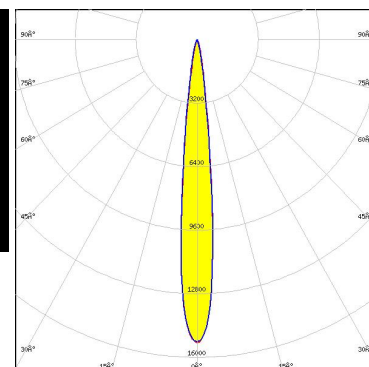
LED LUXEON 3030 2D (Square LES)
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 92 %
 Peak intensity 19.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



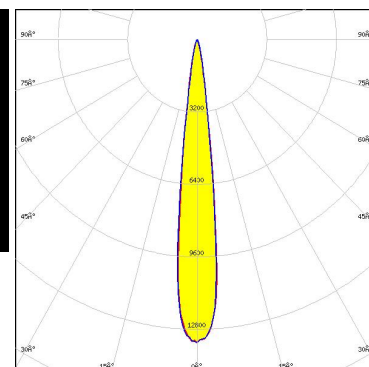
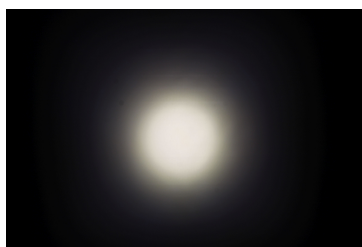
LED LUXEON V2
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 94 %
 Peak intensity 15.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW219F
 FWHM / FWTM 13.0° / 23.0°
 Efficiency 94 %
 Peak intensity 13.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

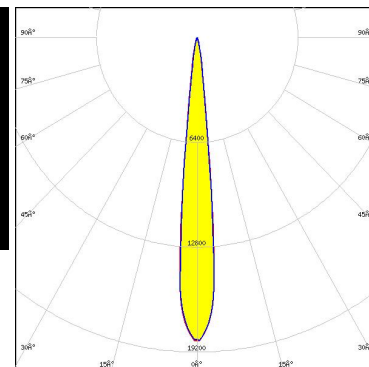
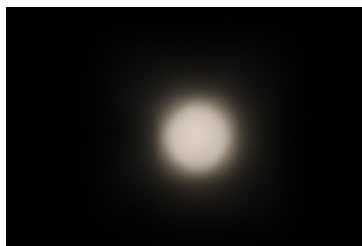


Light distribution files

OPTICAL RESULTS (MEASURED):



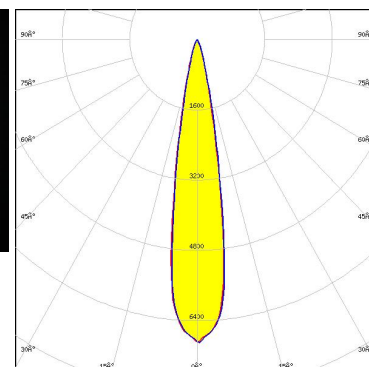
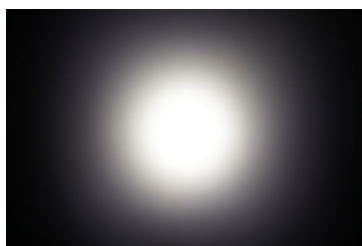
LED NVSW719AC
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 97 %
 Peak intensity 18.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



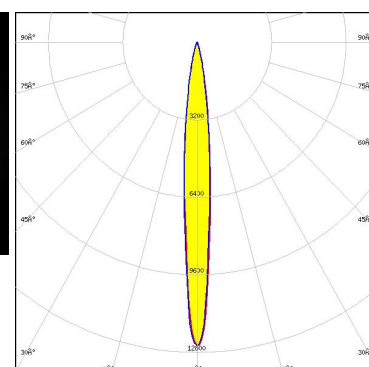
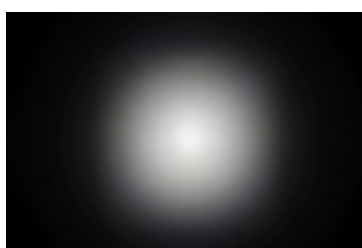
LED NWSx229A
 FWHM / FWTM 18.0° / 33.0°
 Efficiency 88 %
 Peak intensity 6.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LH181A
 FWHM / FWTM 10.0° / 26.0°
 Efficiency 93 %
 Peak intensity 12.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

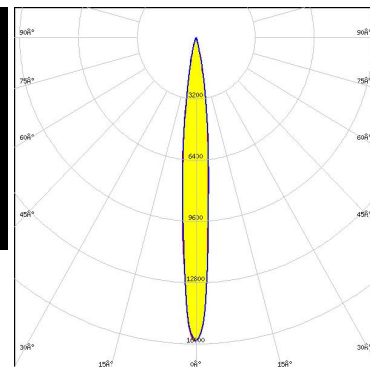


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

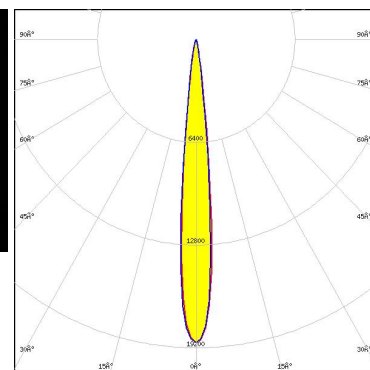
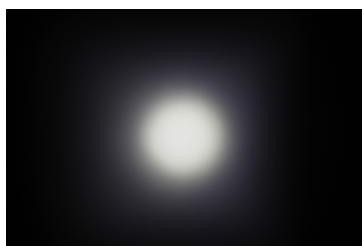
LED LH181B
FWHM / FWTM 10.0° / 24.0°
Efficiency 94 %
Peak intensity 15.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

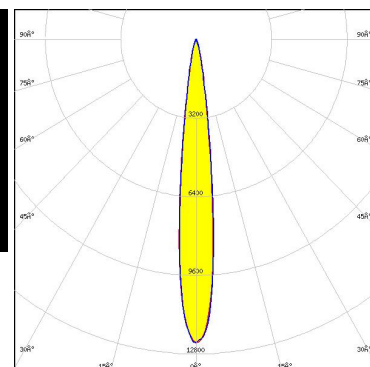
LED LH351Z
FWHM / FWTM 12.0° / 20.0°
Efficiency 89 %
Peak intensity 18.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z5M3
FWHM / FWTM 13.0° / 25.0°
Efficiency 94 %
Peak intensity 12.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

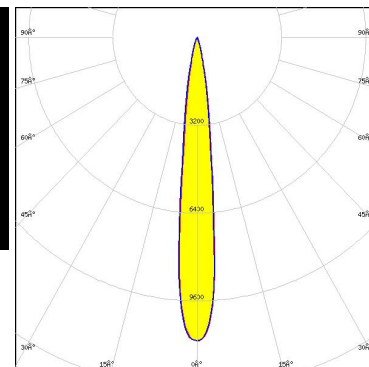


Light distribution files

OPTICAL RESULTS (MEASURED):



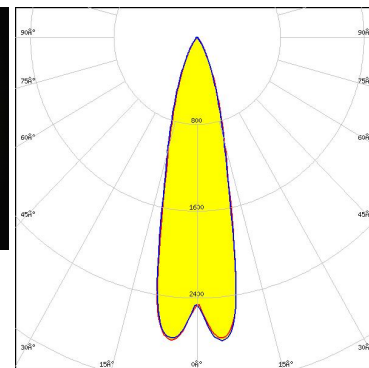
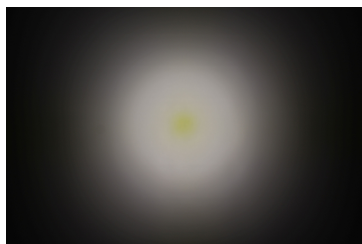
LED Z8Y22P
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 86 %
 Peak intensity 11.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y50P
 FWHM / FWTM 25.0° / 52.0°
 Efficiency 86 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

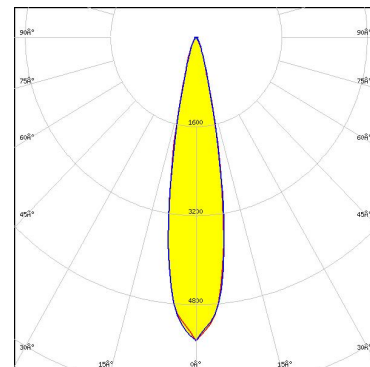


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED XHP35.2 HD
 FWHM / FWTM 20.0° / 37.0°
 Efficiency 94 %
 Peak intensity 5.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XM-L
 FWHM / FWTM 15.0°
 Efficiency 91 %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



LED XM-L2
 FWHM / FWTM 15.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED XP-E
 FWHM / FWTM 8.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

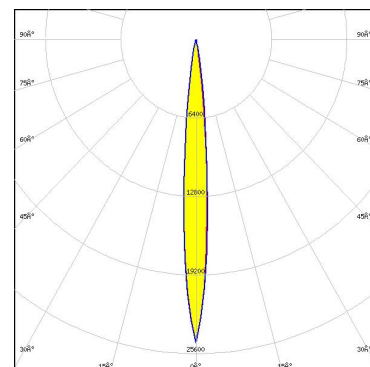


LED XP-E2
 FWHM / FWTM 8.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



LED XP-E2
 FWHM / FWTM 10.0° / 19.0°
 Efficiency 96 %
 Peak intensity 24.7 cd/lm
 LEDs/each optic 1
 Light colour/type Amber
 Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):

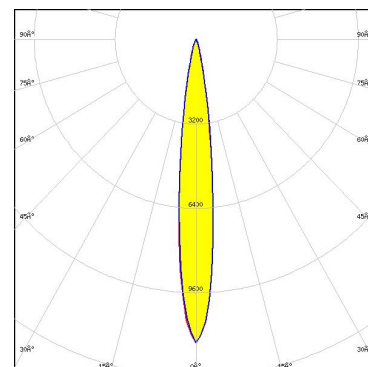


LED XP-G
FWHM / FWTM 10.0°
Efficiency 92 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



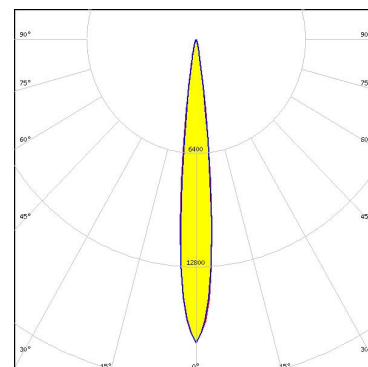
LED XP-G2 HE
FWHM / FWTM 14.0° / 27.0°
Efficiency 98 %
Peak intensity 11.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G4
FWHM / FWTM 12.0° / 20.0°
Efficiency 96 %
Peak intensity 17.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

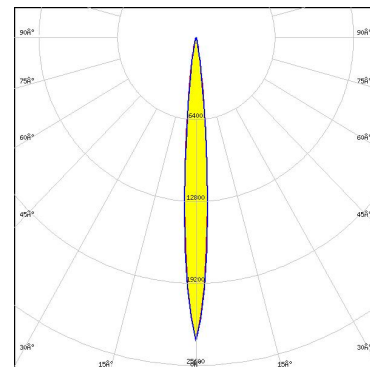


Light distribution files

OPTICAL RESULTS (SIMULATED):



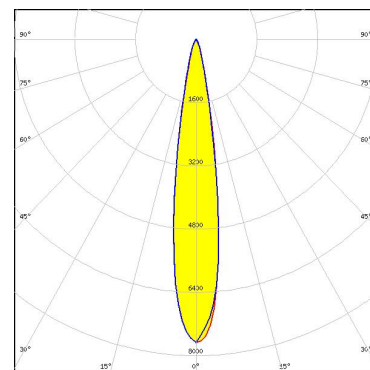
LED XP-G4 HI
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 96 %
 Peak intensity 23.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



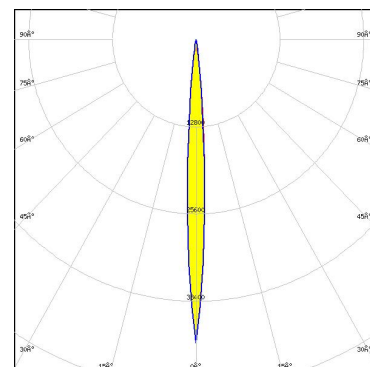
LED XP-L2
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 95 %
 Peak intensity 7.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-P
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 96 %
 Peak intensity 44.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

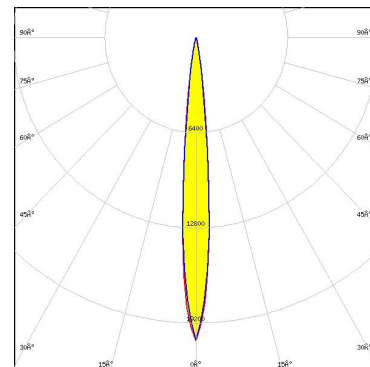


Light distribution files

OPTICAL RESULTS (SIMULATED):



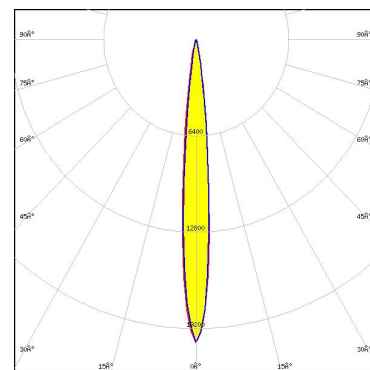
LED XT-E
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 90 %
 Peak intensity 20.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON 3030 HV
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 94 %
 Peak intensity 21 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



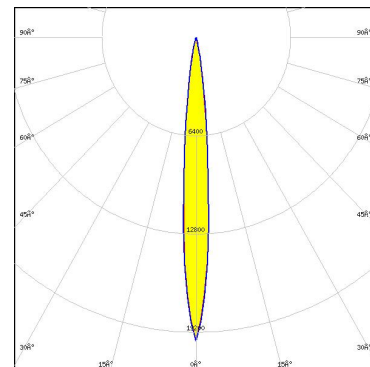
LED LUXEON A
 FWHM / FWTM 11.0°
 Efficiency 90 %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



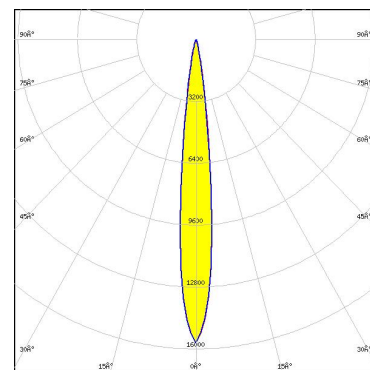
LED LUXEON HL2Z
FWHM / FWTM 10.0° / 22.0°
Efficiency 95 %
Peak intensity 19.8 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON HL4Z
FWHM / FWTM 12.0° / 22.0°
Efficiency 95 %
Peak intensity 15.7 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON R
FWHM / FWTM 11.0°
Efficiency 90 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED	LUXEON Rebel
FWHM / FWTM	9.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

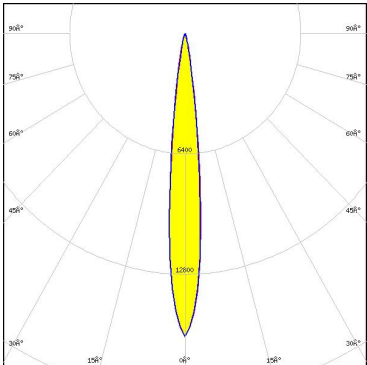


LED	LUXEON Rebel ES
FWHM / FWTM	11.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files



LED	LUXEON T
FWHM / FWTM	12.0° / 22.0°
Efficiency	96 %
Peak intensity	16.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

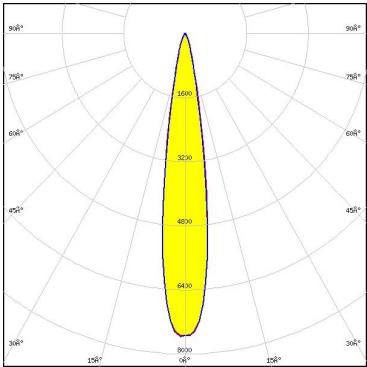


Light distribution files

OPTICAL RESULTS (SIMULATED):



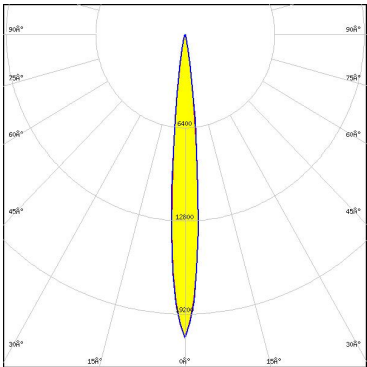
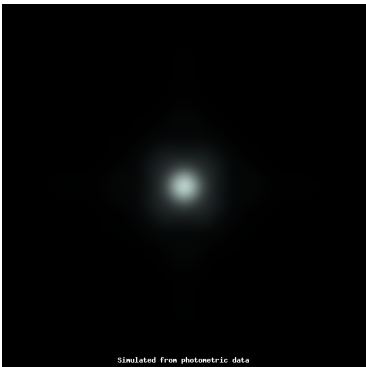
LED LUXEON V
FWHM / FWTM 17.0° / 31.0°
Efficiency 94 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



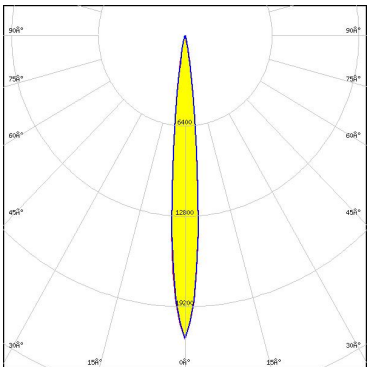
LED SFT-40 Gen2
FWHM / FWTM 10.0° / 20.0°
Efficiency 96 %
Peak intensity 20.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SFT-40-WCS
FWHM / FWTM 10.0° / 20.0°
Efficiency 96 %
Peak intensity 21.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

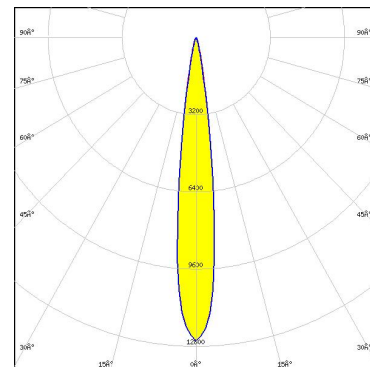


Light distribution files

OPTICAL RESULTS (SIMULATED):



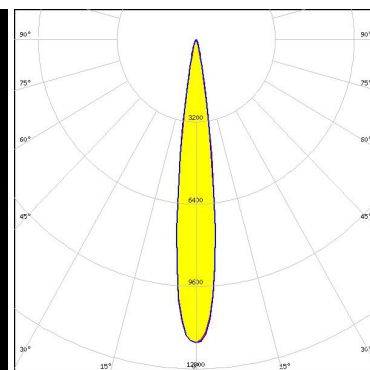
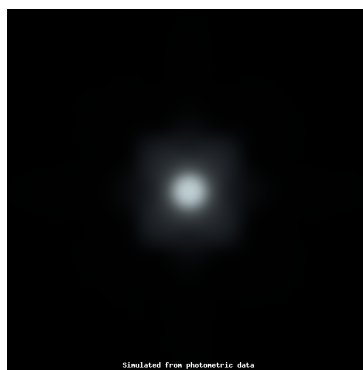
LED SFT-70X-WCS
 FWHM / FWTM 14.0° / 24.0°
 Efficiency 96 %
 Peak intensity 12.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SFT-70X-WES-Gen2
 FWHM / FWTM 14.0° / 24.0° + 26.0°
 Efficiency 96 %
 Peak intensity 11.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



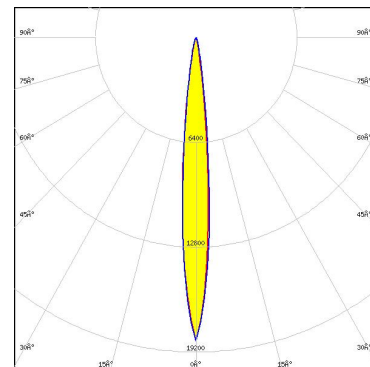
LED NCSxx19A
 FWHM / FWTM 8.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



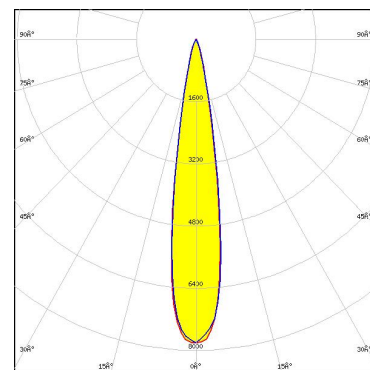
LED NF2x757G
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 96 %
 Peak intensity 18.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



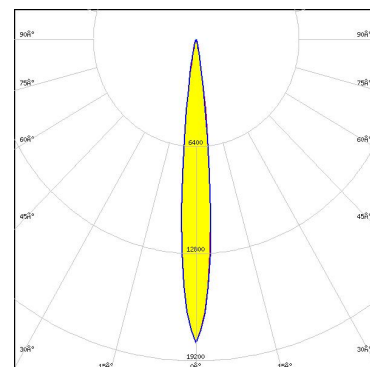
LED NV4WB35AM
 FWHM / FWTM 18.0° / 32.0°
 Efficiency 96 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW719AC
 FWHM / FWTM 12.0° / 20.0°
 Efficiency 96 %
 Peak intensity 18.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

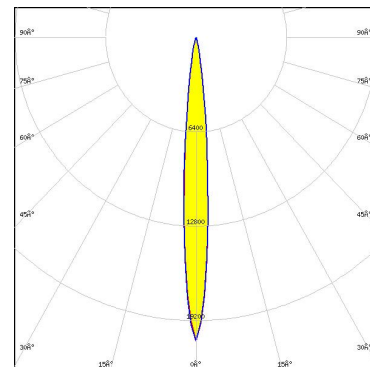


Light distribution files

OPTICAL RESULTS (SIMULATED):



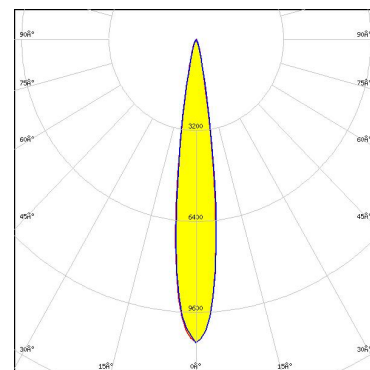
LED NVSxE21A
 FWHM / FWTM 9.4° / 21.0°
 Efficiency 94 %
 Peak intensity 20.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19A
 FWHM / FWTM 15.0° / 28.0°
 Efficiency 96 %
 Peak intensity 10.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

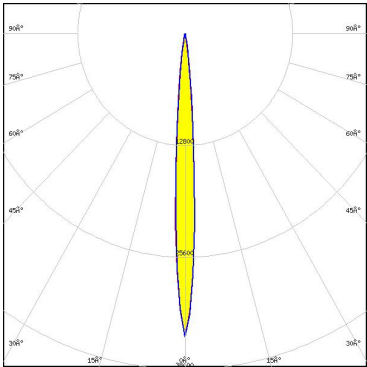


LED NVSxx19B/NVSxx19C
 FWHM / FWTM 11.0°
 Efficiency 89 %
 LEDs/each optic 1
 Light colour/type White
 Required components:

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

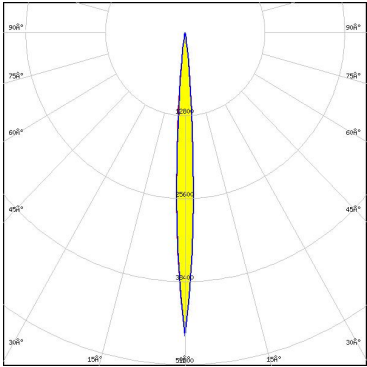
LED OSCONIQ P 3030
FWHM / FWTM 7.3° / 16.0°
Efficiency 96 %
Peak intensity 34.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

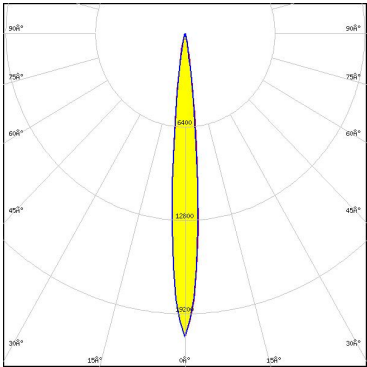
LED OSOLON Pure 1414
FWHM / FWTM 6.0° / 14.0°
Efficiency 95 %
Peak intensity 46.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSOLON Square CSSRM2/CSSRM3
FWHM / FWTM 10.0° / 20.0°
Efficiency 94 %
Peak intensity 20.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

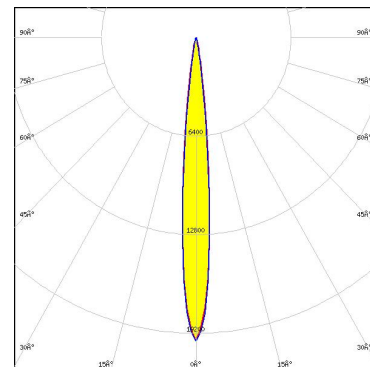


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLON Square EC
FWHM / FWTM 10.0° / 19.0°
Efficiency 94 %
Peak intensity 20.2 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square PC
FWHM / FWTM 10.0°
Efficiency 90 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OSRAM
Opto Semiconductors

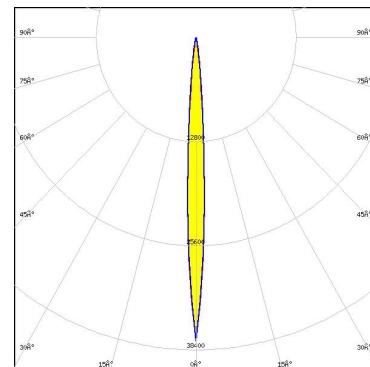
LED OSLON SSL 150
FWHM / FWTM 8.0°
Efficiency 91 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

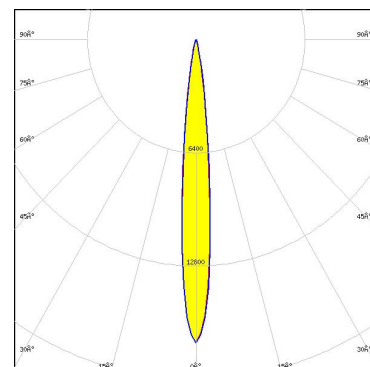
LED OSLON SSL 80
FWHM / FWTM 7.0°
Efficiency 90 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH181B
FWHM / FWTM 11.0° / 23.0°
Efficiency 94 %
Peak intensity 17 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM 12.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):


SEOUL SEMICONDUCTOR

LED MJT 3030

FWHM / FWTM 10.0° / 20.0°

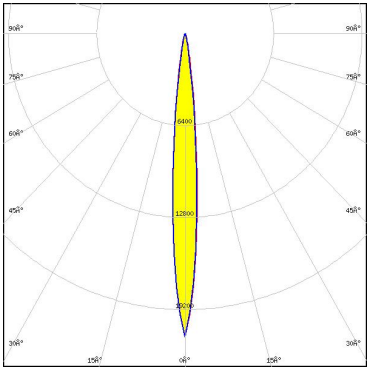
Efficiency 95 %

Peak intensity 21.1 cd/Im

LEDs/each optic 1

Light colour/type White

Required components:



Light distribution files


SEOUL SEMICONDUCTOR

LED Z5

FWHM / FWTM 6.0° / 13.0°

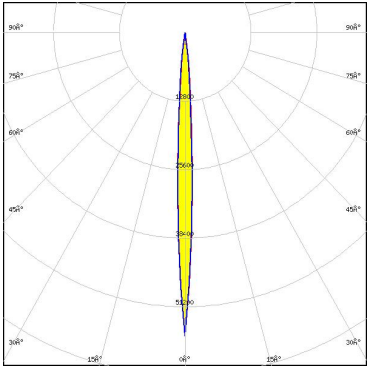
Efficiency 95 %

Peak intensity 56.6 cd/Im

LEDs/each optic 1

Light colour/type White

Required components:



Light distribution files


SEOUL SEMICONDUCTOR

LED Z5M4

FWHM / FWTM 14.0° / 26.0°

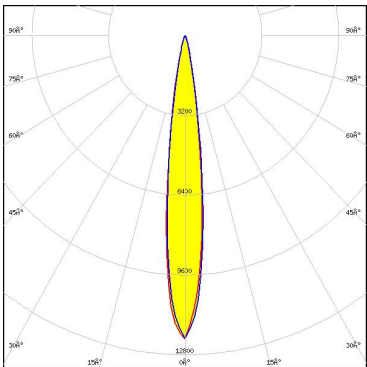
Efficiency 96 %

Peak intensity 12.2 cd/Im

LEDs/each optic 1

Light colour/type White

Required components:

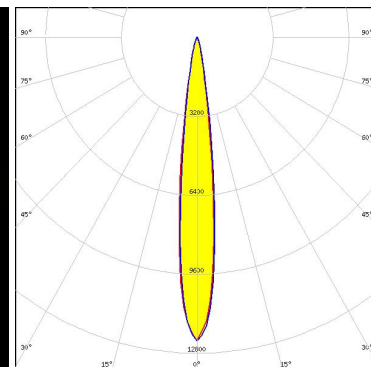


Light distribution files

OPTICAL RESULTS (SIMULATED):



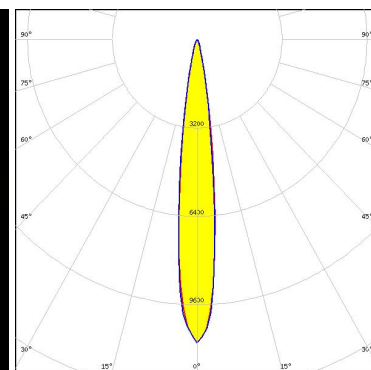
LED Z5M4-E1
 FWHM / FWTM 13.0° / 25.0 + 26.0°
 Efficiency 96 %
 Peak intensity 12.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



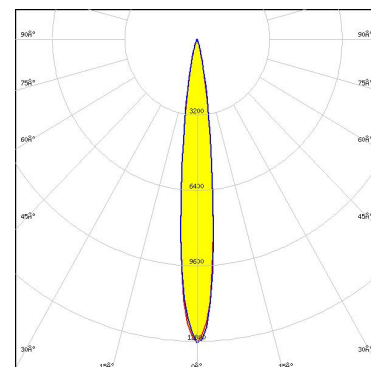
LED Z5M4-E2
 FWHM / FWTM 14.0° / 27.0°
 Efficiency 96 %
 Peak intensity 11 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y22T
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 94 %
 Peak intensity 12.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

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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