

STRADELLA-IP-28-HB-S

~30° spot beam. Variant made from PMMA.

SPECIFICATION:

Dimensions	100.0 x 100.0 mm
Height	9.5 mm
Fastening	pin, screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes ⓘ

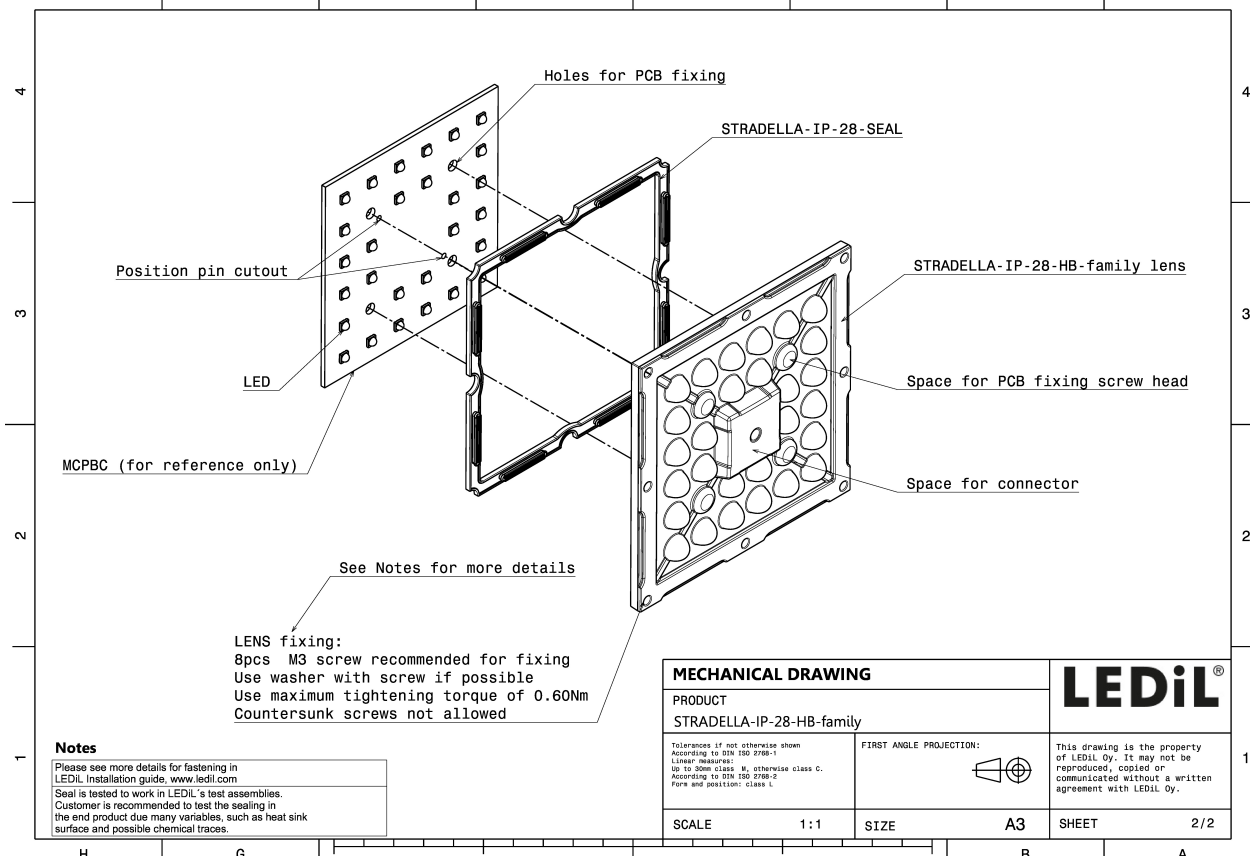
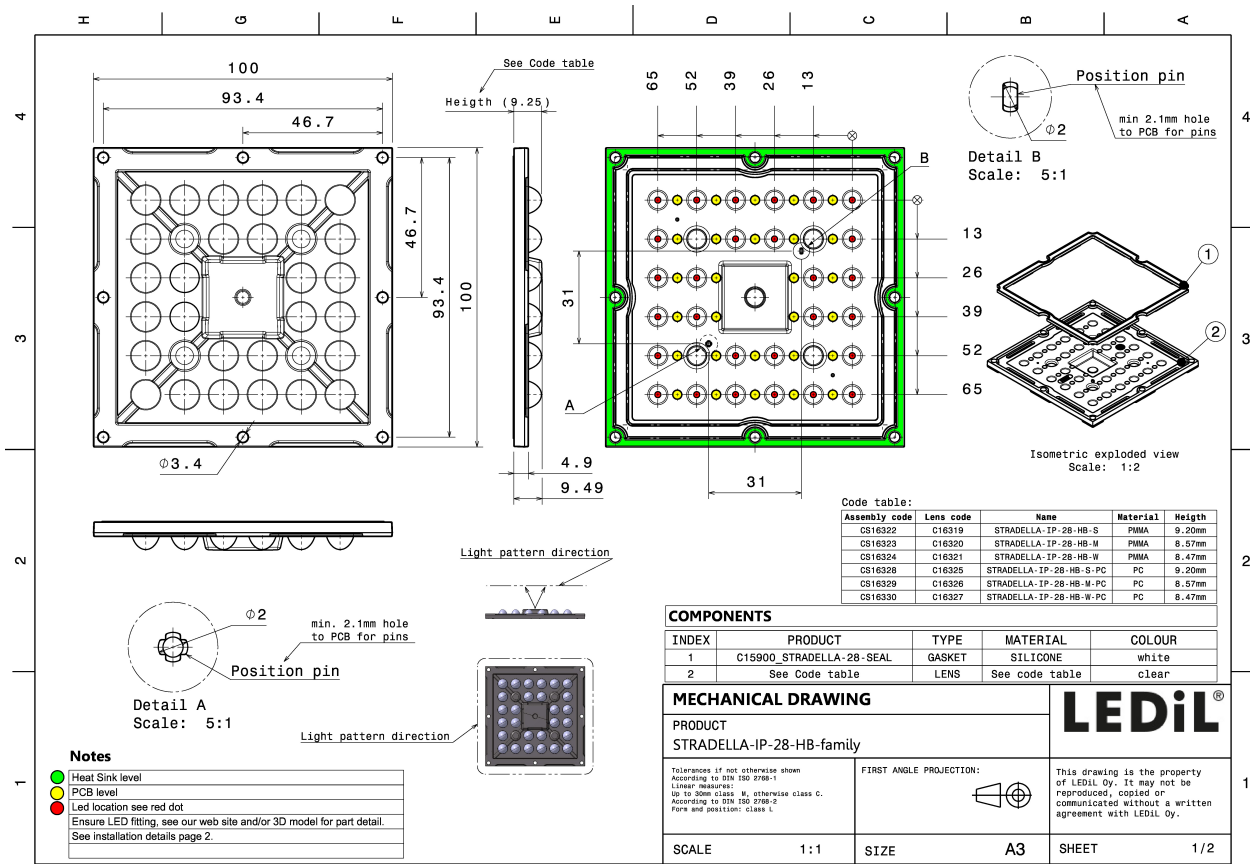
MATERIALS:

Component	Type	Material	Colour	Finish	Length
STRADELLA-IP-28-HB-S	Multi-lens	PMMA	clear		100.0
STRADELLA-28-SEAL	Seal	Silicone	white		95.0



ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16322_STRADELLA-IP-28-HB-S	Multi-lens	156	78	78	5.9
» Box size: 476 x 273 x 247 mm					

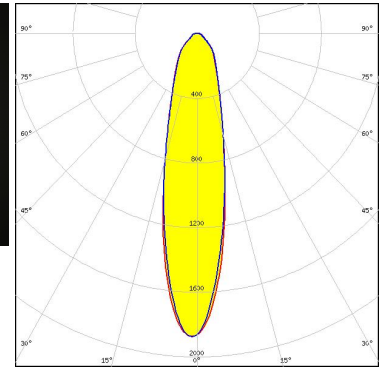


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



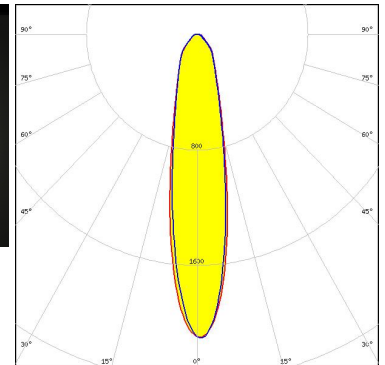
LED HiQLED STR28 CR JE2835 4x7 xxx
 FWHM / FWTM 24.0° / 75.0°
 Efficiency 91 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



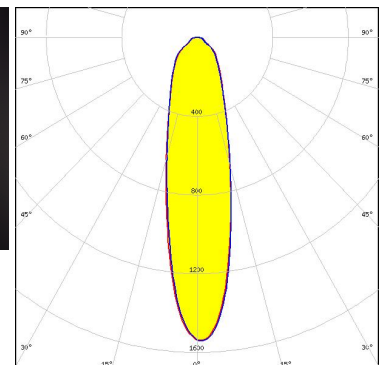
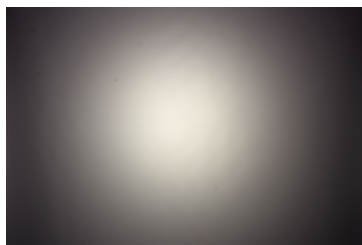
LED HiQLED STR28 CR JK3030 4x7 xxx
 FWHM / FWTM 22.0° / 69.0°
 Efficiency 90 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED QUICK FLUX STR28 XD2x14 xxx G8
 FWHM / FWTM 26.0° / 88.0°
 Efficiency 91 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

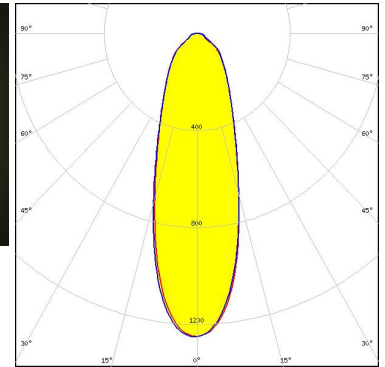
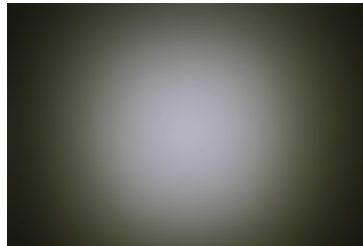


Light distribution files

OPTICAL RESULTS (MEASURED):



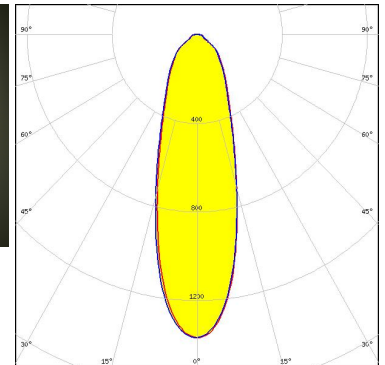
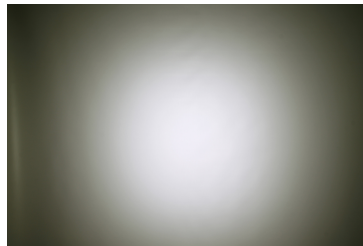
LED QUICK FLUX STR28 XP2x14 xxx G7
 FWHM / FWTM 33.0° / 99.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



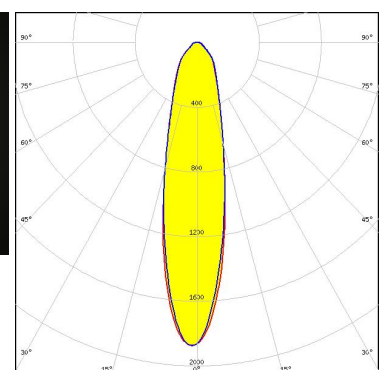
LED QUICK FLUX STR28 XT2x14 xxx G5
 FWHM / FWTM 32.0° / 95.0°
 Efficiency 93 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED J Series 2835
 FWHM / FWTM 24.0° / 75.0°
 Efficiency 91 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

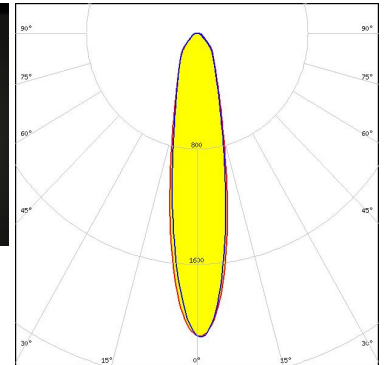
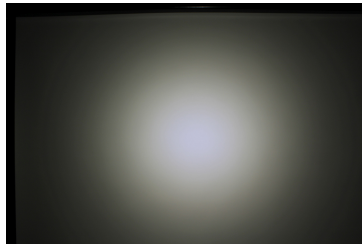


Light distribution files

OPTICAL RESULTS (MEASURED):



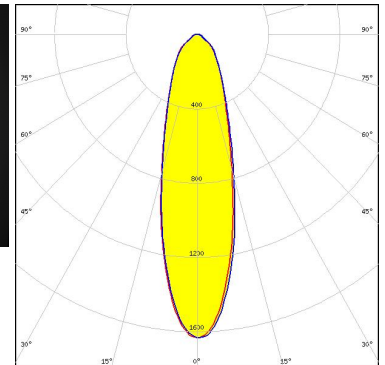
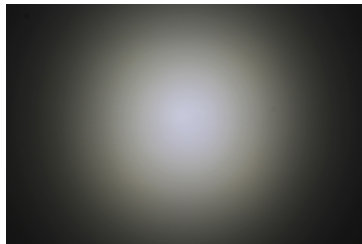
LED J Series 3030
 FWHM / FWTM 22.0° / 69.0°
 Efficiency 90 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



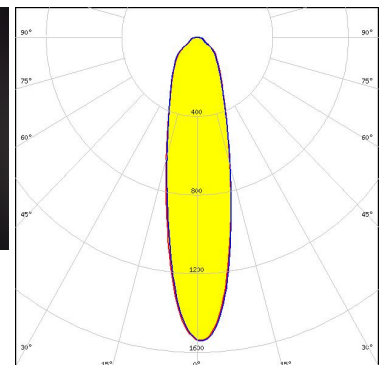
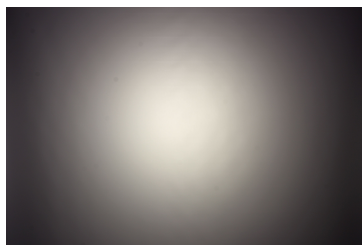
LED J Series 3030
 FWHM / FWTM 28.0° / 83.0°
 Efficiency 93 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XD16
 FWHM / FWTM 26.0° / 88.0°
 Efficiency 91 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

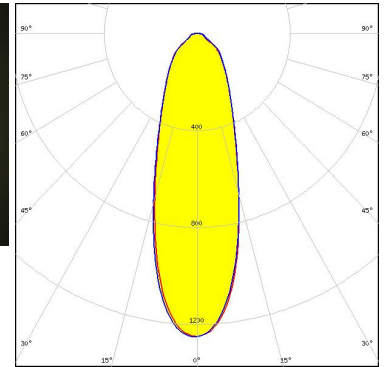
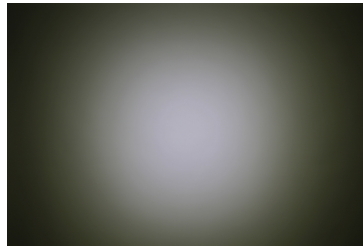


Light distribution files

OPTICAL RESULTS (MEASURED):



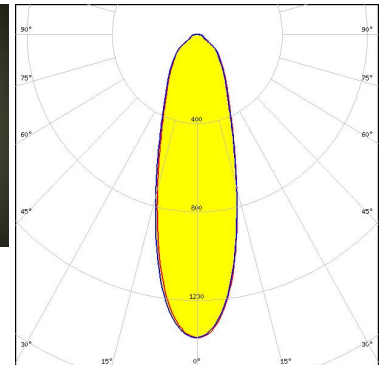
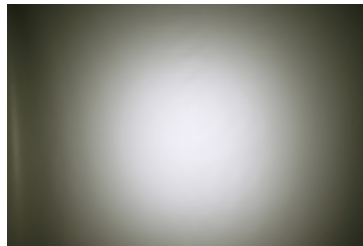
LED XP-G3
 FWHM / FWTM 33.0° / 99.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



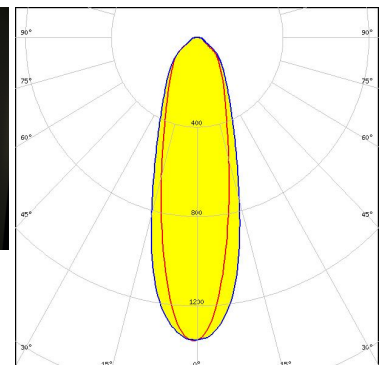
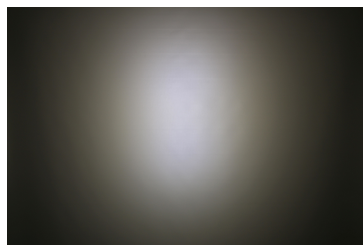
LED XT-E
 FWHM / FWTM 32.0° / 95.0°
 Efficiency 93 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NF2W585AR
 FWHM / FWTM 31.0° / 96.0°
 Efficiency 91 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

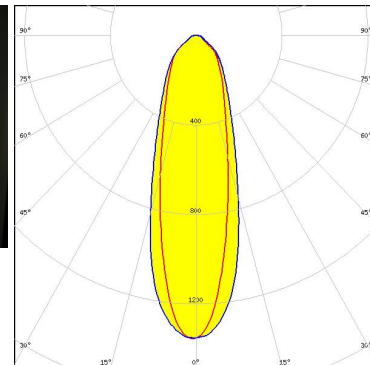
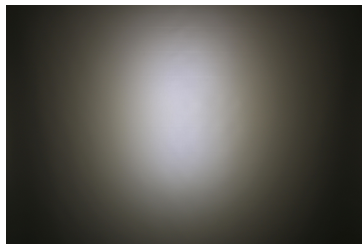


Light distribution files

OPTICAL RESULTS (MEASURED):



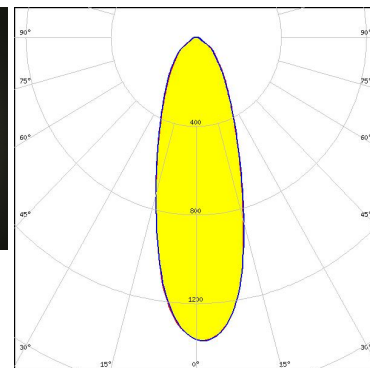
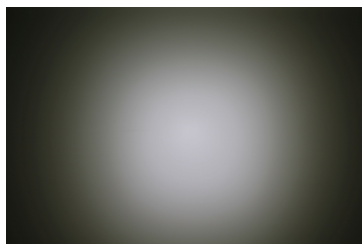
LED NF2W585AR
 FWHM / FWTM 31.0° / 97.0°
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



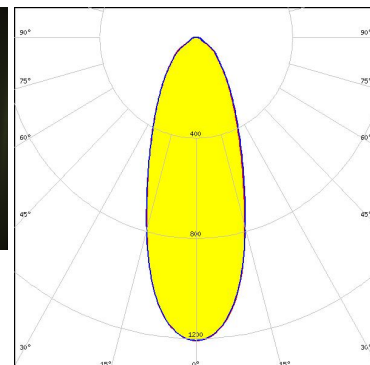
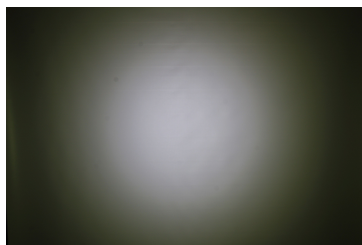
LED NVSW219F
 FWHM / FWTM 34.0° / 90.0°
 Efficiency 94 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW319B
 FWHM / FWTM 39.0° / 97.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

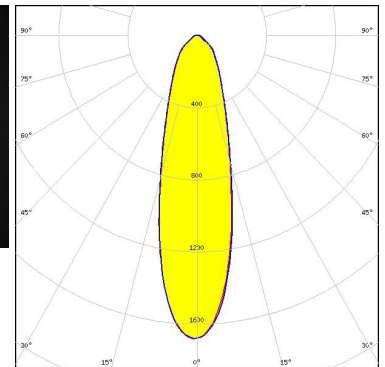
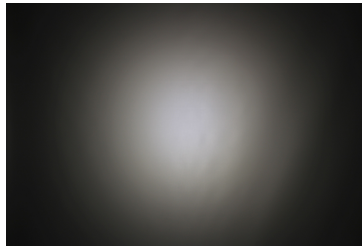


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

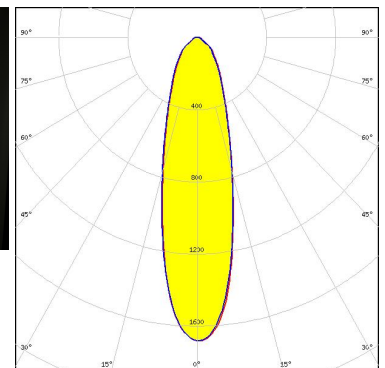
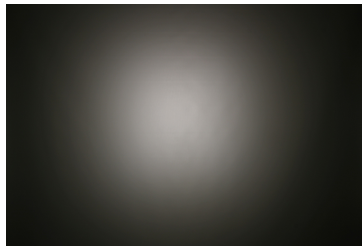
LED OSCONIQ S 3030 (QSLR31)
FWHM / FWTM 28.0° / 81.0°
Efficiency 93 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

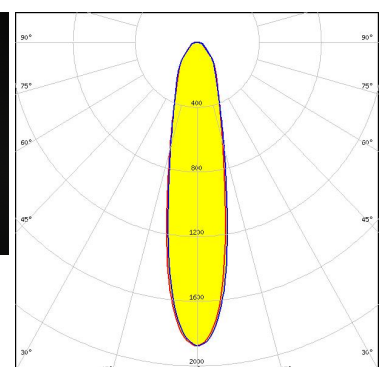
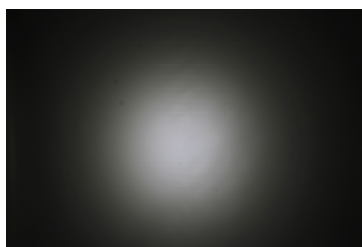
LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM 28.0° / 80.0°
Efficiency 93 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED HiLOM SC28 (LH181B)
FWHM / FWTM 23.0° / 74.0°
Efficiency 89 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

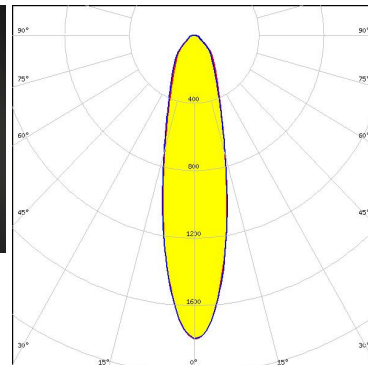
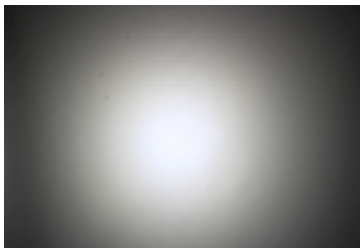


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

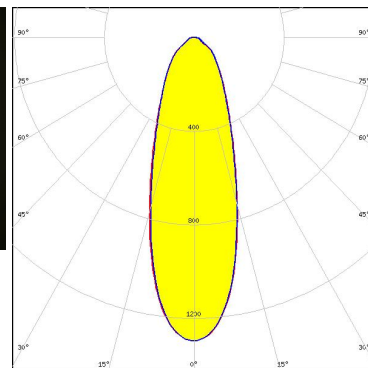
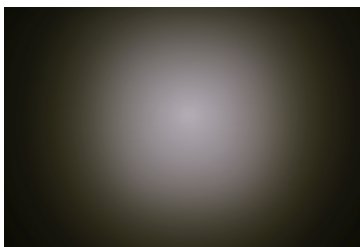
LED HiLOM SM28 (LM301B)
 FWHM / FWTM 25.0° / 78.0°
 Efficiency 91 %
 Peak intensity 1.8 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z5M3
 FWHM / FWTM 34.0° / 94.0°
 Efficiency 93 %
 Peak intensity 1.3 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:

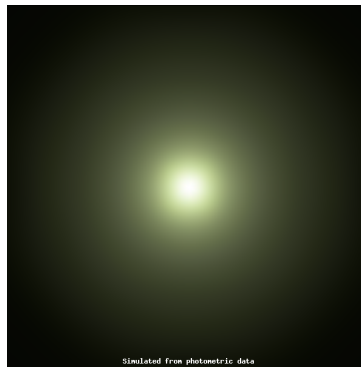


Light distribution files

OPTICAL RESULTS (SIMULATED):



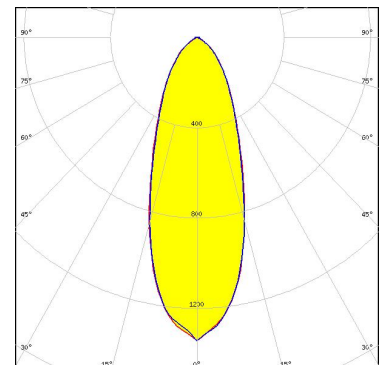
LED J Series 3030C
 FWHM / FWTM 28.0° / 78.0°
 Efficiency 94 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



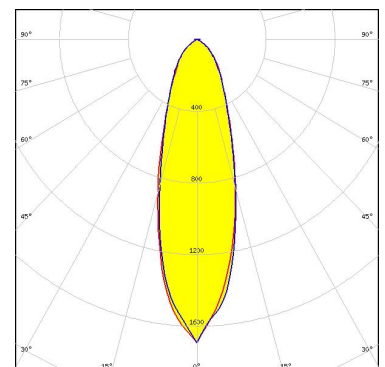
LED XP-G2 HE
 FWHM / FWTM 37.0° / 90.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-L HI
 FWHM / FWTM 30.0° / 82.0°
 Efficiency 90 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

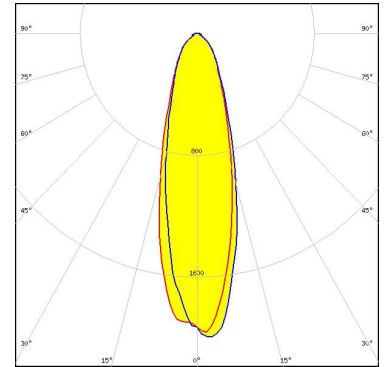


Light distribution files

OPTICAL RESULTS (SIMULATED):



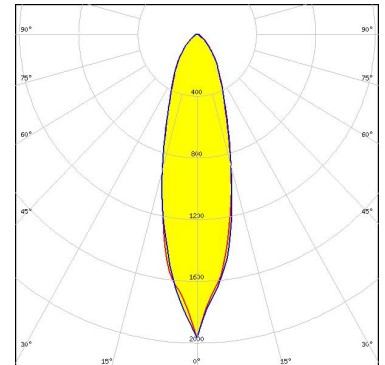
LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	27.0° / 74.0°
Efficiency	92 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



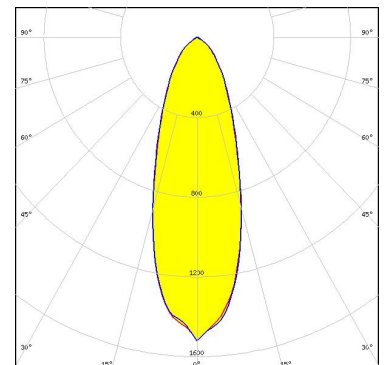
LED	NF2x757G
FWHM / FWTM	28.0° / 76.0°
Efficiency	93 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	NVSW219F
FWHM / FWTM	34.0° / 84.0°
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

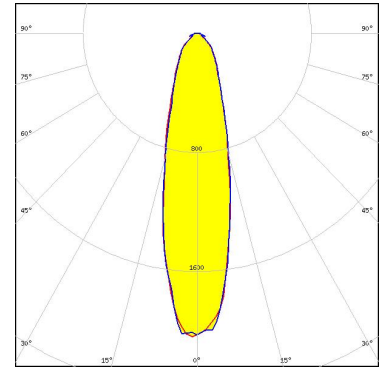


Light distribution files

OPTICAL RESULTS (SIMULATED):



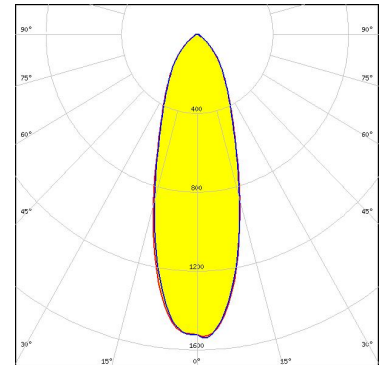
LED NVSxE21A
 FWHM / FWTM 25.0° / 73.0°
 Efficiency 92 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



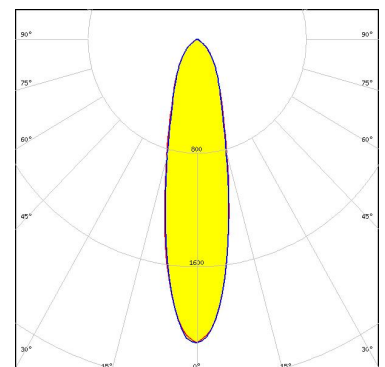
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 34.0° / 86.0°
 Efficiency 93 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSCONIQ C 2424
 FWHM / FWTM 25.0° / 73.0°
 Efficiency 93 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

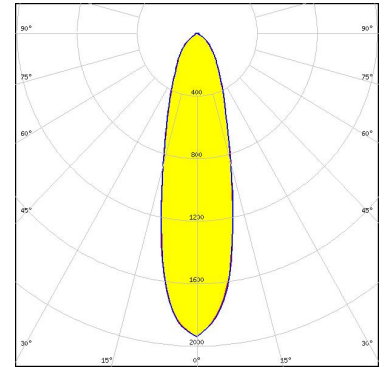


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

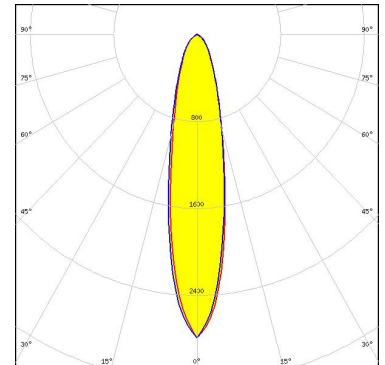
LED OSCONIQ C 3030
FWHM / FWTM 28.0° / 76.0°
Efficiency 94 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

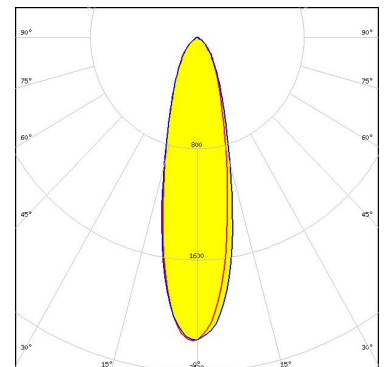
LED OSCONIQ P 3030
FWHM / FWTM 22.0° / 60.0°
Efficiency 94 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
FWHM / FWTM 27.0° / 69.0°
Efficiency 93 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

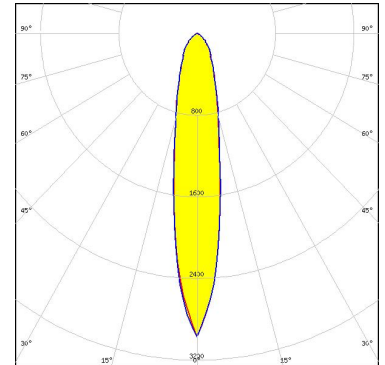


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

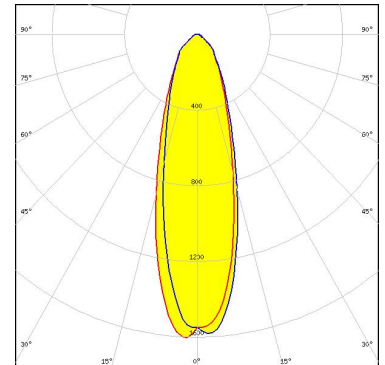
LED OSLON Pure 1414
FWHM / FWTM 18.0° / 58.0°
Efficiency 95 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

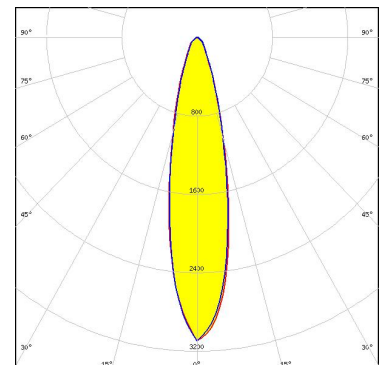
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 30.0° / 80.0°
Efficiency 91 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 23.0° / 51.0°
Efficiency 93 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

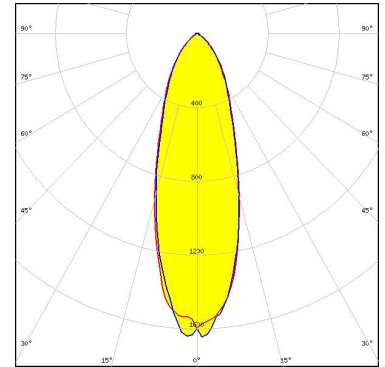


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

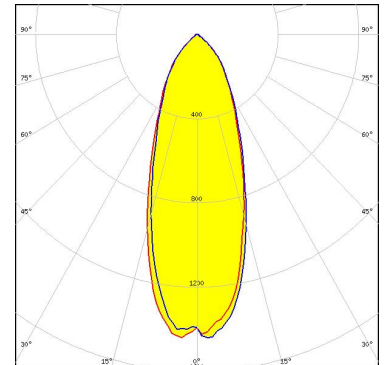
LED LH351B
 FWHM / FWTM 33.0° / 82.0°
 Efficiency 94 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

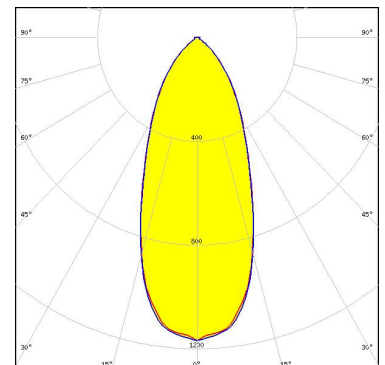
LED LH351C
 FWHM / FWTM 37.0° / 87.0°
 Efficiency 94 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

LED LH351D
 FWHM / FWTM 44.0° / 92.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

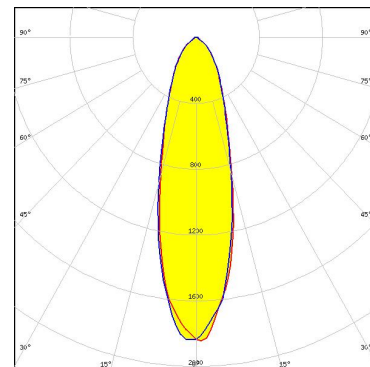


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

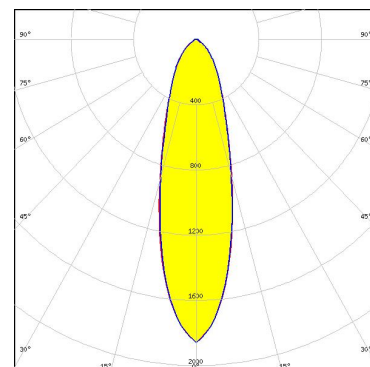
LED LM301B
 FWHM / FWTM 29.0° / 78.0°
 Efficiency 93 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



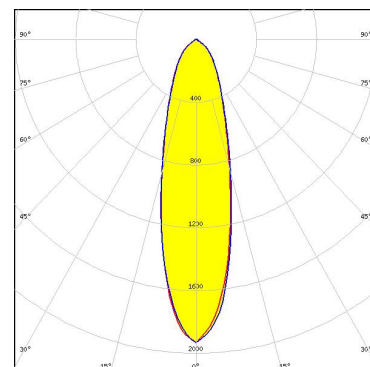
LED SEOUL 3030
 FWHM / FWTM 28.0° / 78.0°
 Efficiency 93 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SEOUL DC 3030C
 FWHM / FWTM 28.0° / 77.0°
 Efficiency 93 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

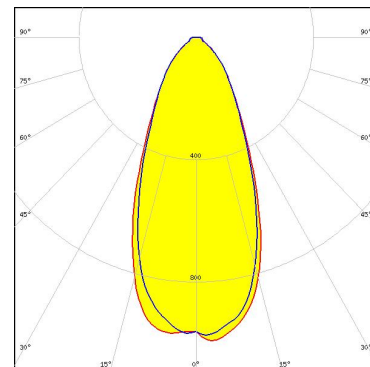


Light distribution files

OPTICAL RESULTS (SIMULATED):



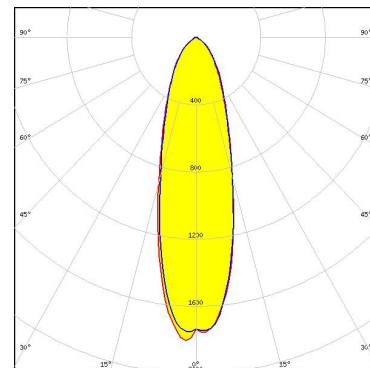
LED: SEOUL DC 5050 6V
 FWHM / FWTM: 46.0° / 98.0°
 Efficiency: 89 %
 Peak intensity: 1 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



Light distribution files



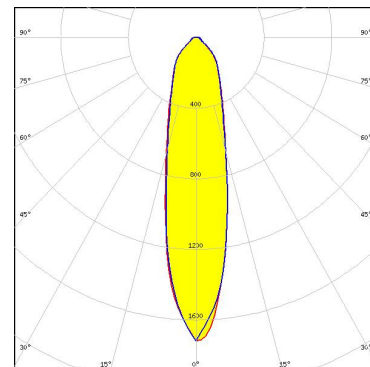
LED: Z5M1/Z5M2
 FWHM / FWTM: 30.0° / 79.0°
 Efficiency: 94 %
 Peak intensity: 1.8 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



Light distribution files



LED: Z8Y19
 FWHM / FWTM: 24.0° / 84.0°
 Efficiency: 89 %
 Peak intensity: 1.7 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:

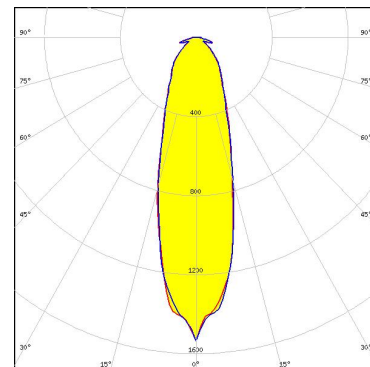


Light distribution files

OPTICAL RESULTS (SIMULATED):



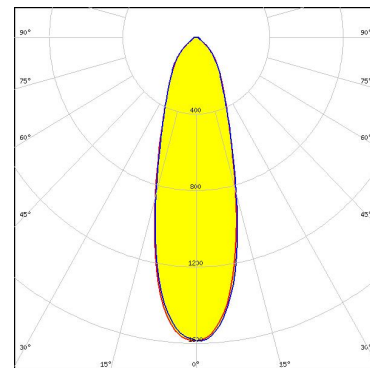
LED Z8Y22
 FWHM / FWTM 29.0° / 88.0°
 Efficiency 92 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y22T
 FWHM / FWTM 32.0° / 83.0°
 Efficiency 92 %
 Peak intensity 1.6 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:

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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