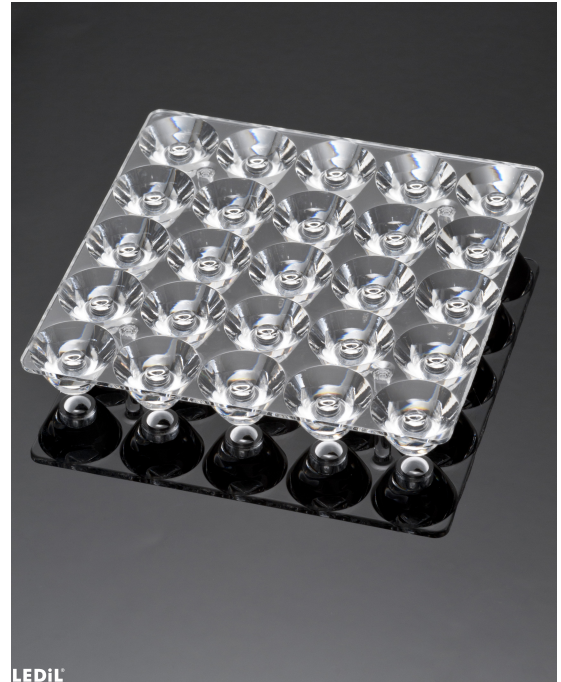


VIRPI-S

~15° spot beam

SPECIFICATION:

| | |
|----------------|----------------|
| Dimensions | 74.9 x 74.9 mm |
| Height | 9.5 mm |
| Fastening | glue, pin |
| ROHS compliant | yes ⓘ |

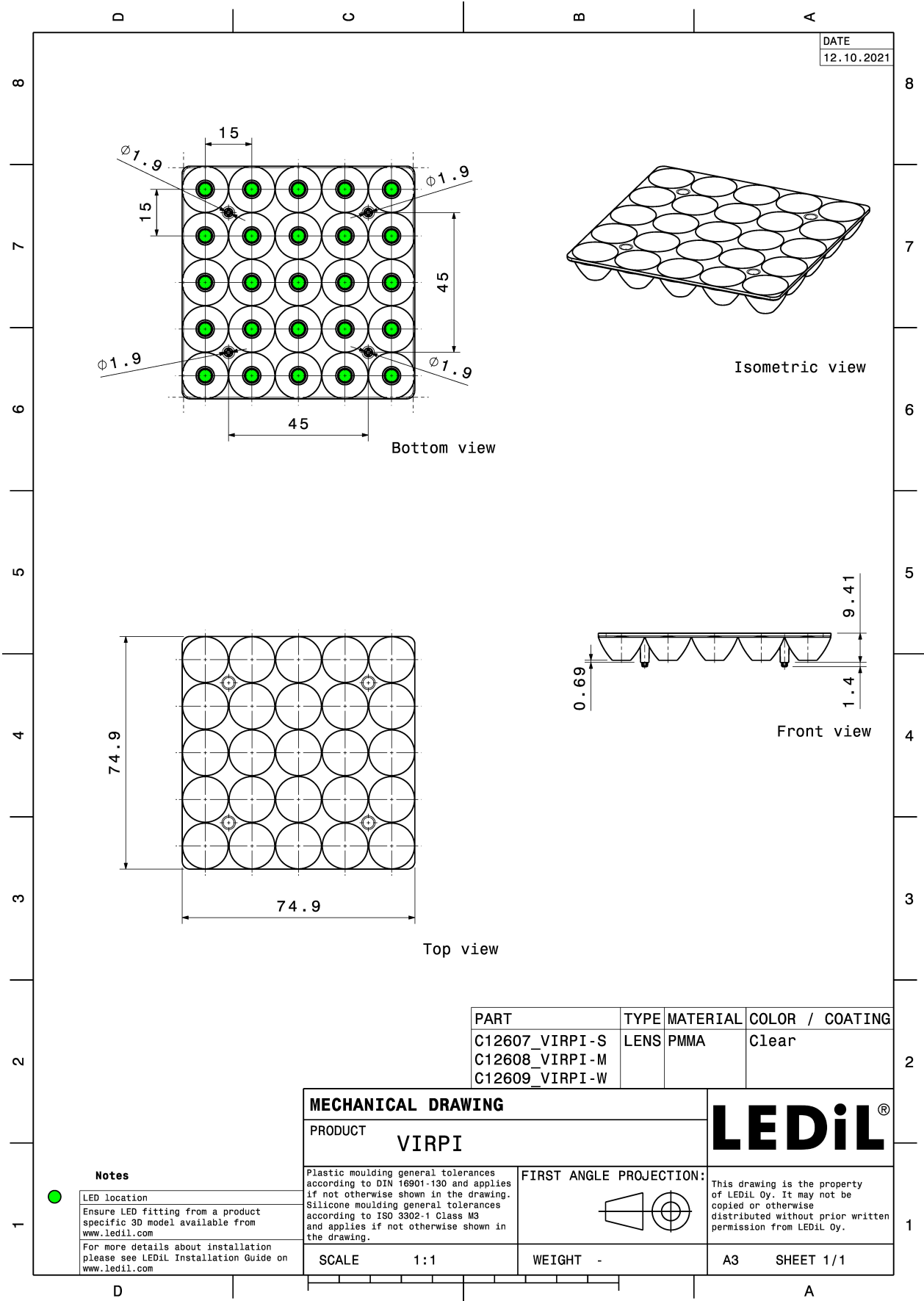


MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|-----------|------------|----------|--------|--------|-------------|
| VIRPI-S | Multi-lens | PMMA | clear | | |

ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|------------|-----|-----|-----------------|
| C12607_VIRPI-S » Box size: 480 x 280 x 300 mm | 360 | 45 | 15 | 12.0 |

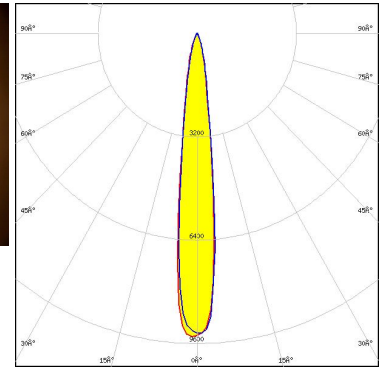
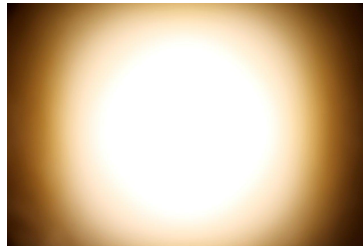


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



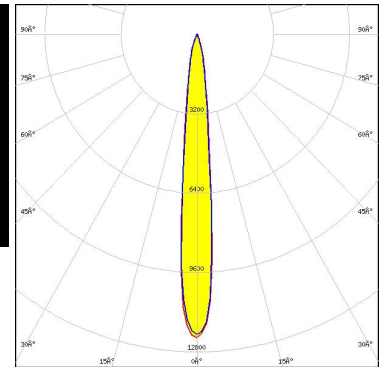
LED XB-D
FWHM / FWTM 13.0° / 30.0°
Efficiency 92 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



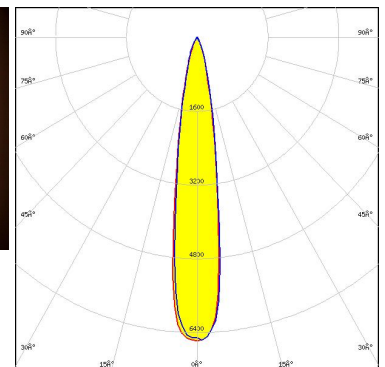
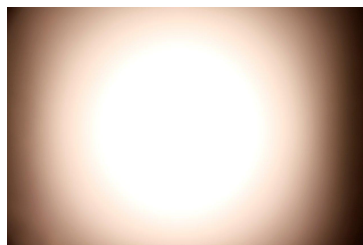
LED XP-E2
FWHM / FWTM 11.0° / 27.0°
Efficiency 94 %
Peak intensity 12.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G
FWHM / FWTM 16.0° / 36.0°
Efficiency 94 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

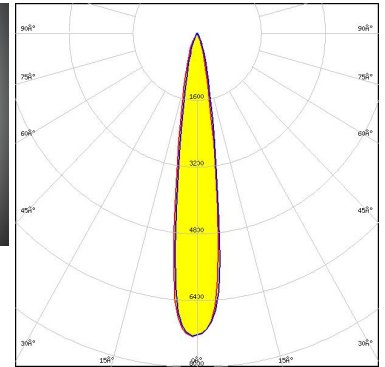


Light distribution files

OPTICAL RESULTS (MEASURED):



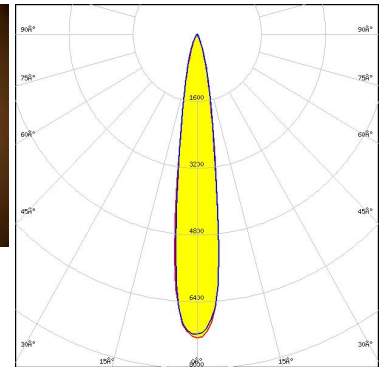
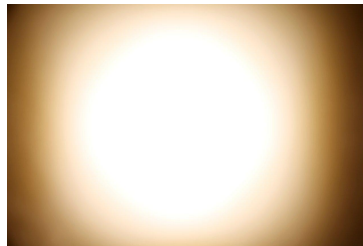
LED XP-G2
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 94 %
 Peak intensity 7.3 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



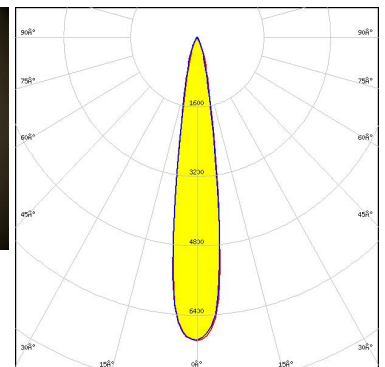
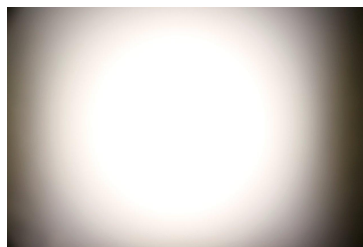
LED XT-E
 FWHM / FWTM 15.0° / 34.0°
 Efficiency 94 %
 Peak intensity 7.2 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

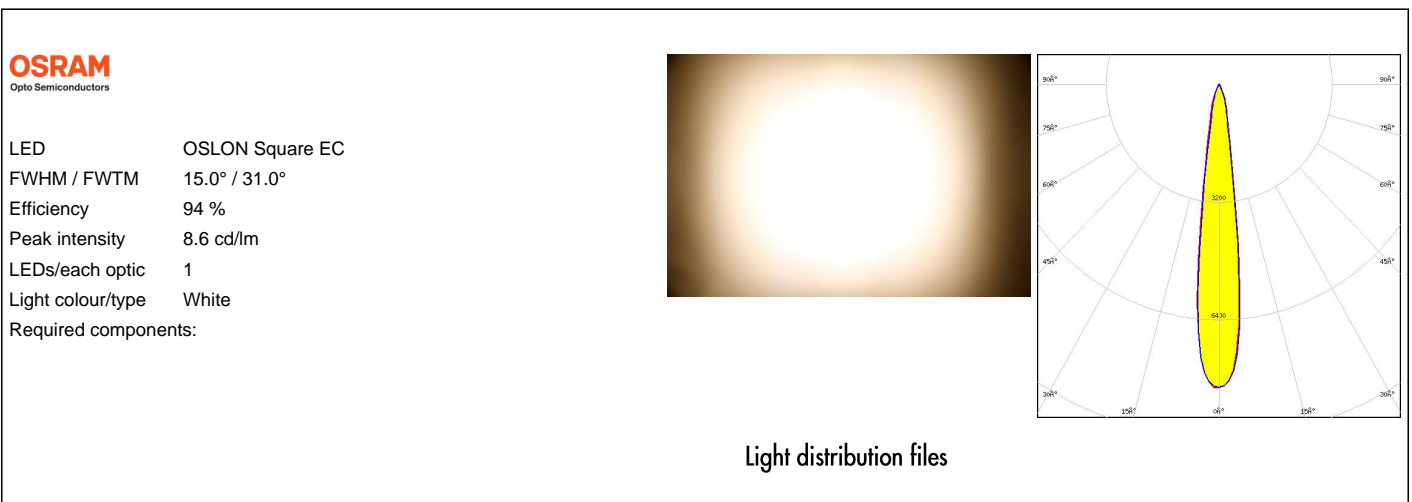
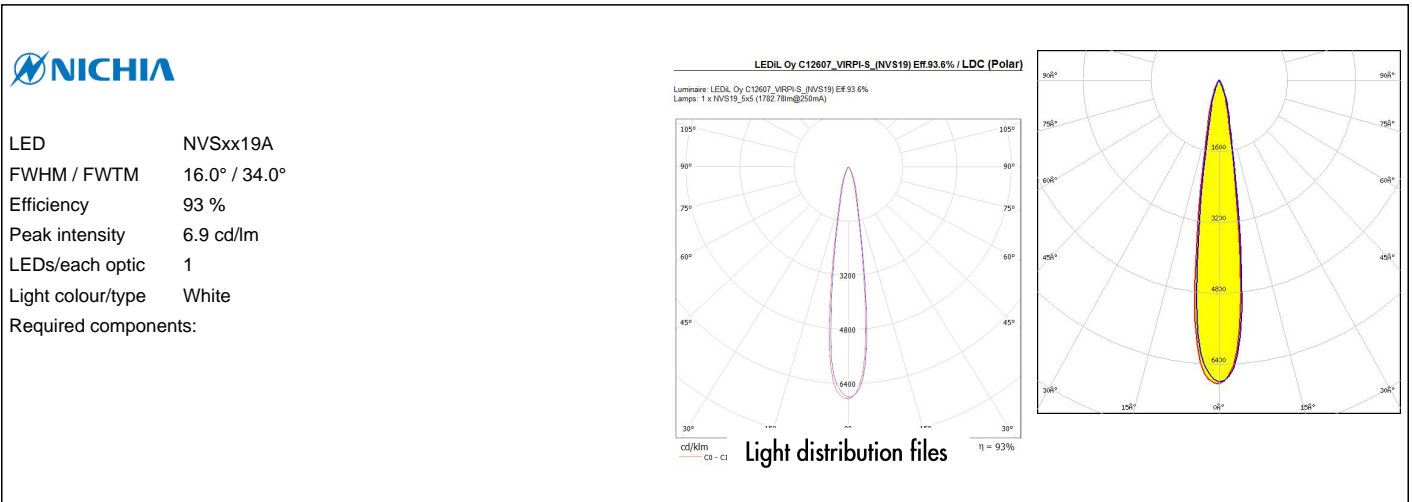


LED LUXEON Rebel ES
 FWHM / FWTM 16.0° / 29.0°
 Efficiency 94 %
 Peak intensity 6.8 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

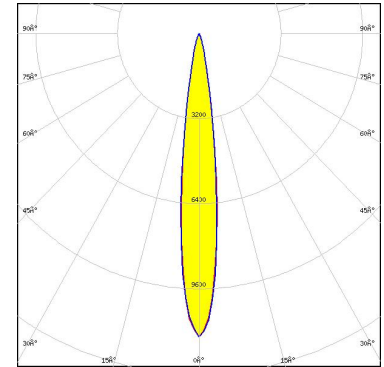
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):



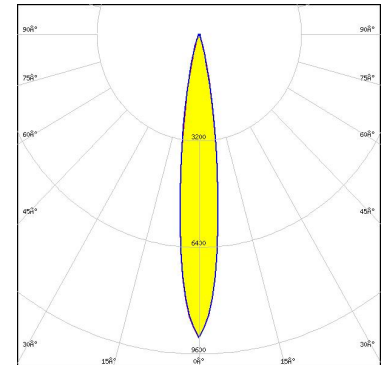
LED J Series 3030
FWHM / FWTM 14.0° / 28.0°
Efficiency 95 %
Peak intensity 11.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



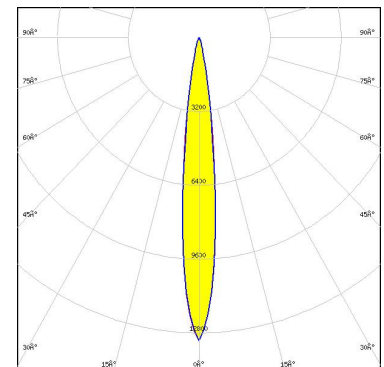
LED XD16
FWHM / FWTM 14.0° / 30.0°
Efficiency 94 %
Peak intensity 9.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 2835 Line
FWHM / FWTM 12.0° / 26.0°
Efficiency 95 %
Peak intensity 13.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

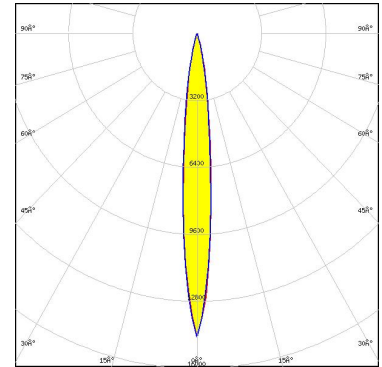


Light distribution files

OPTICAL RESULTS (SIMULATED):



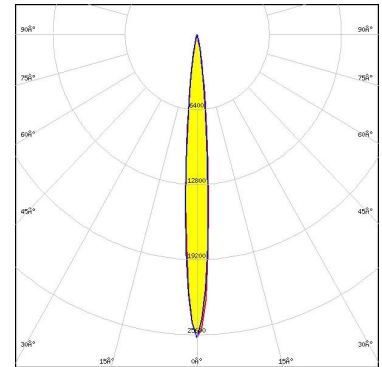
LED LUXEON C
FWHM / FWTM 11.0° / 25.0°
Efficiency 86 %
Peak intensity 14.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



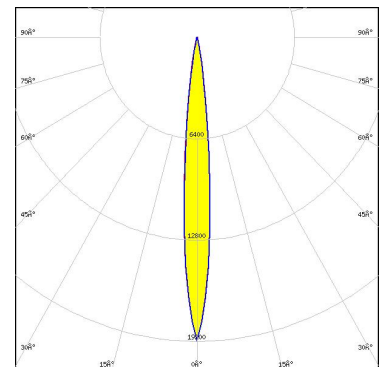
LED LUXEON CZ
FWHM / FWTM 8.8° / 19.0°
Efficiency 94 %
Peak intensity 26 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON HL1Z
FWHM / FWTM 10.0° / 20.0°
Efficiency 88 %
Peak intensity 19.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



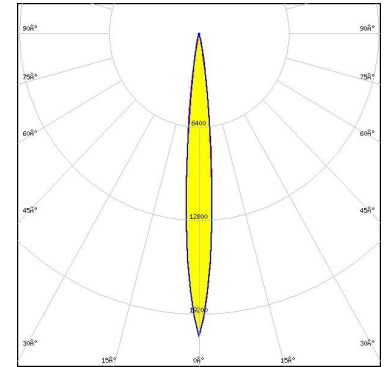
Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):



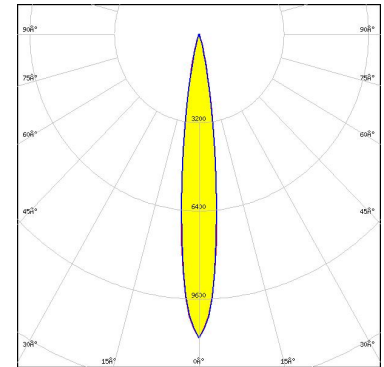
LED LUXEON HL1Z
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 96 %
 Peak intensity 20.8 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2Z
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 90 %
 Peak intensity 11 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:

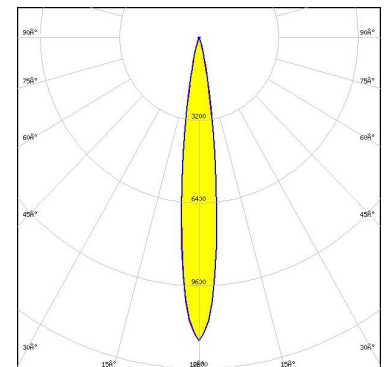


Protective plate, glass

Light distribution files



LED LUXEON HL2Z
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 97 %
 Peak intensity 11.7 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:

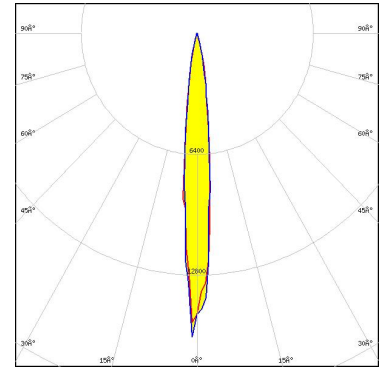


Light distribution files

OPTICAL RESULTS (SIMULATED):



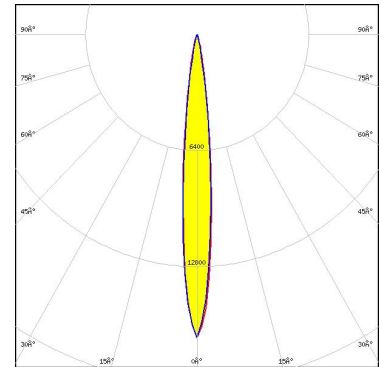
| | |
|----------------------|----------------------------------|
| LED | LUXEON SunPlus 20 Line (150 deg) |
| FWHM / FWTM | 13.0° / 25.0° |
| Efficiency | 88 % |
| Peak intensity | 15.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files



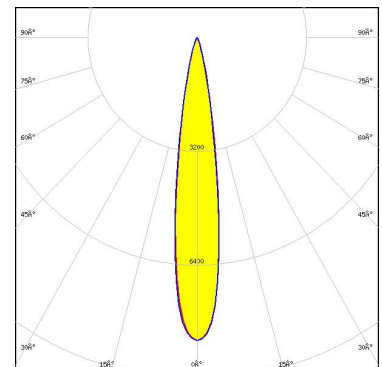
| | |
|----------------------|------------------------|
| LED | LUXEON SunPlus 35 Line |
| FWHM / FWTM | 12.0° / 23.0° |
| Efficiency | 94 % |
| Peak intensity | 16 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files



| | |
|----------------------|---------------|
| LED | LUXEON T |
| FWHM / FWTM | 16.0° / 31.0° |
| Efficiency | 93 % |
| Peak intensity | 8.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

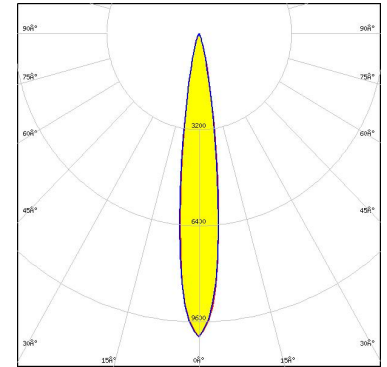


Light distribution files

OPTICAL RESULTS (SIMULATED):



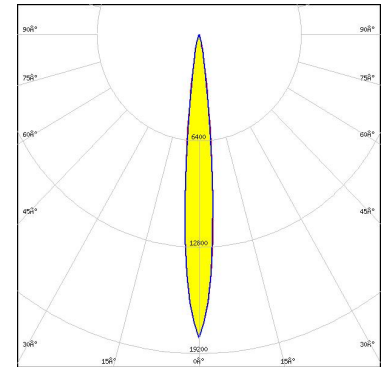
LED LUXEON TX
FWHM / FWTM 15.0° / 29.0°
Efficiency 91 %
Peak intensity 10.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON Z ES
FWHM / FWTM 10.0° / 22.0°
Efficiency 96 %
Peak intensity 18.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

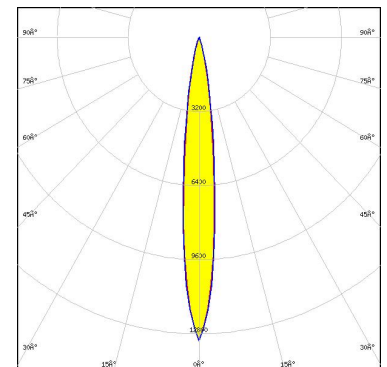


Protective plate, glass

Light distribution files



LED SST-10-B130
FWHM / FWTM 12.0° / 27.0°
Efficiency 95 %
Peak intensity 13.1 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:

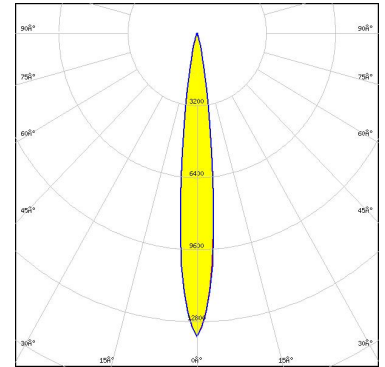


Light distribution files

OPTICAL RESULTS (SIMULATED):



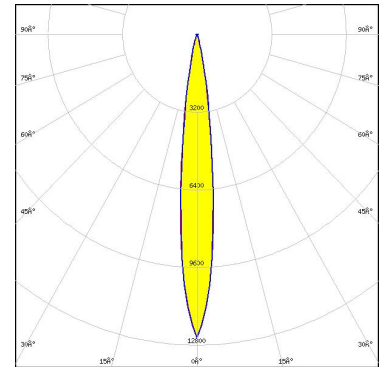
LED SST-20
FWHM / FWTM 12.0° / 24.0°
Efficiency 95 %
Peak intensity 13.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



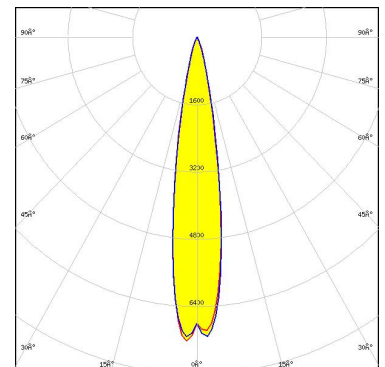
LED NVSxE21A
FWHM / FWTM 12.0° / 26.0°
Efficiency 95 %
Peak intensity 12.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
FWHM / FWTM 18.0° / 33.0°
Efficiency 94 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

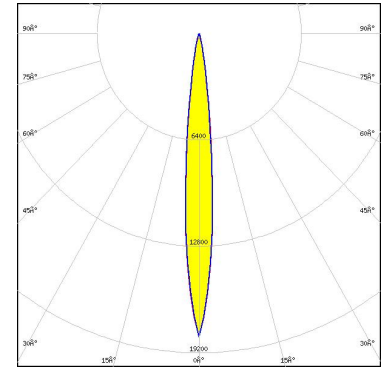


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

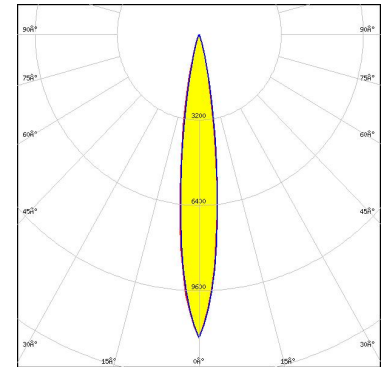
LED OSCONIQ P 3030
FWHM / FWTM 10.0° / 22.0°
Efficiency 95 %
Peak intensity 18.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

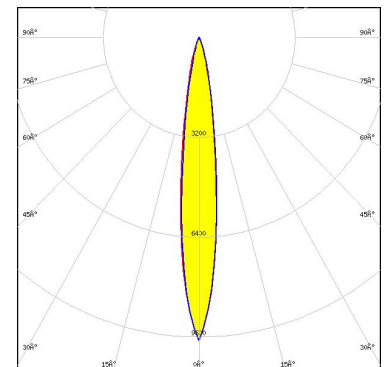
LED OSLON SSL 150
FWHM / FWTM 14.0° / 28.0°
Efficiency 96 %
Peak intensity 11.4 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 14.0° / 30.0°
Efficiency 95 %
Peak intensity 9.7 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:

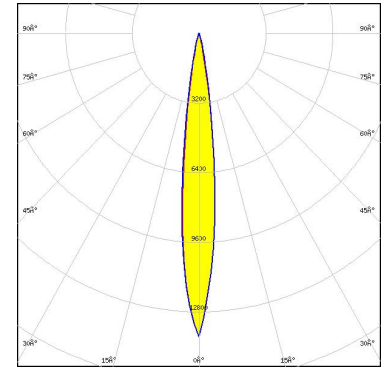


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

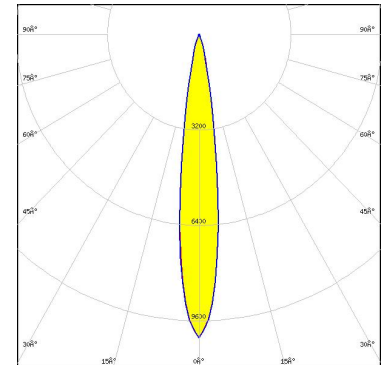
LED SFH 4715AS
FWHM / FWTM 13.0° / 24.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SAMSUNG

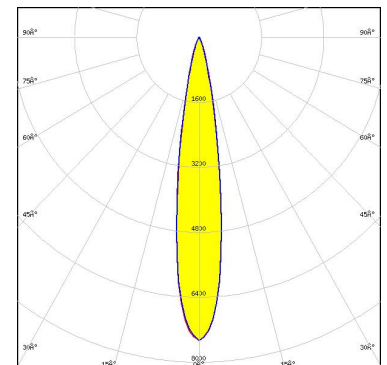
LED LH181B
FWHM / FWTM 14.0° / 28.0°
Efficiency 95 %
Peak intensity 10.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM 17.0° / 33.0°
Efficiency 97 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

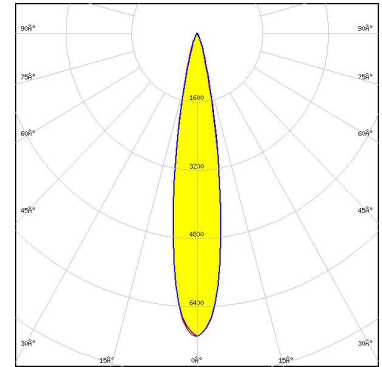


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

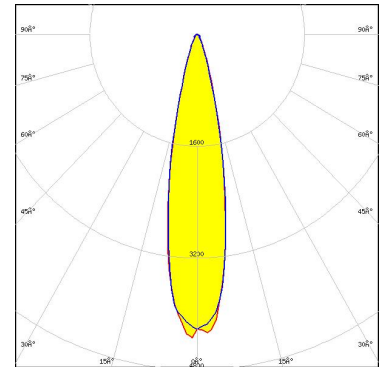
LED LH351C
FWHM / FWTM 18.0° / 34.0°
Efficiency 97 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

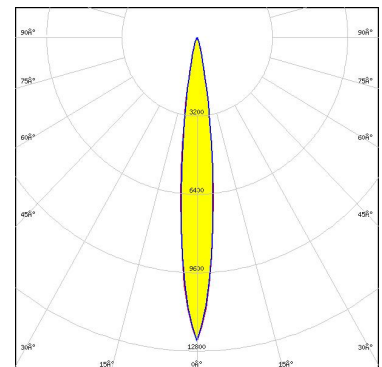
LED LH351D
FWHM / FWTM 22.0° / 42.0°
Efficiency 96 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

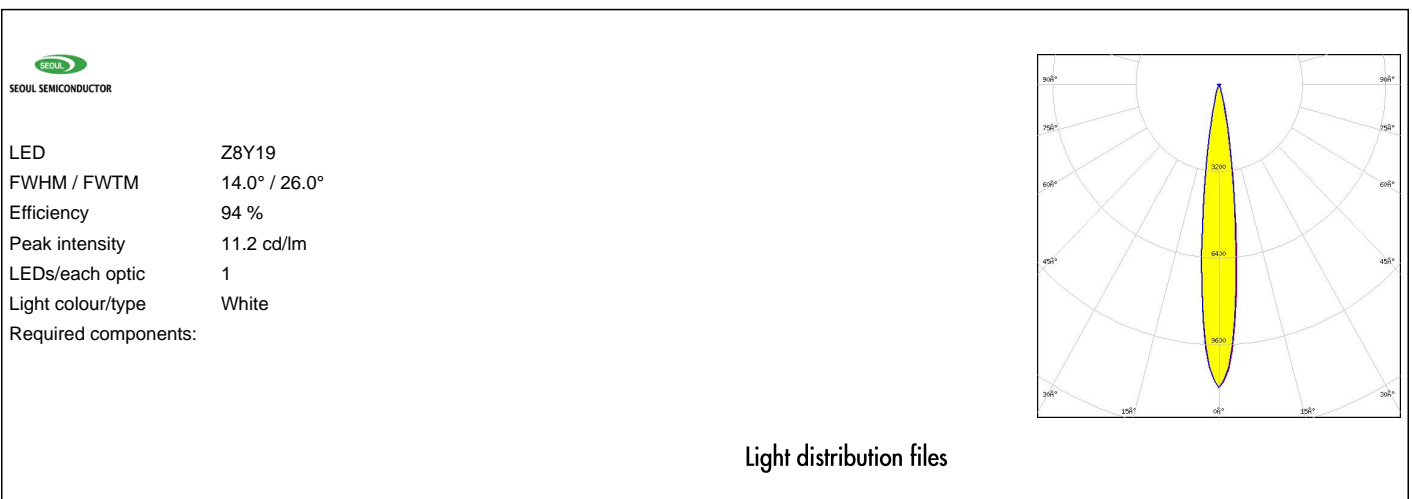
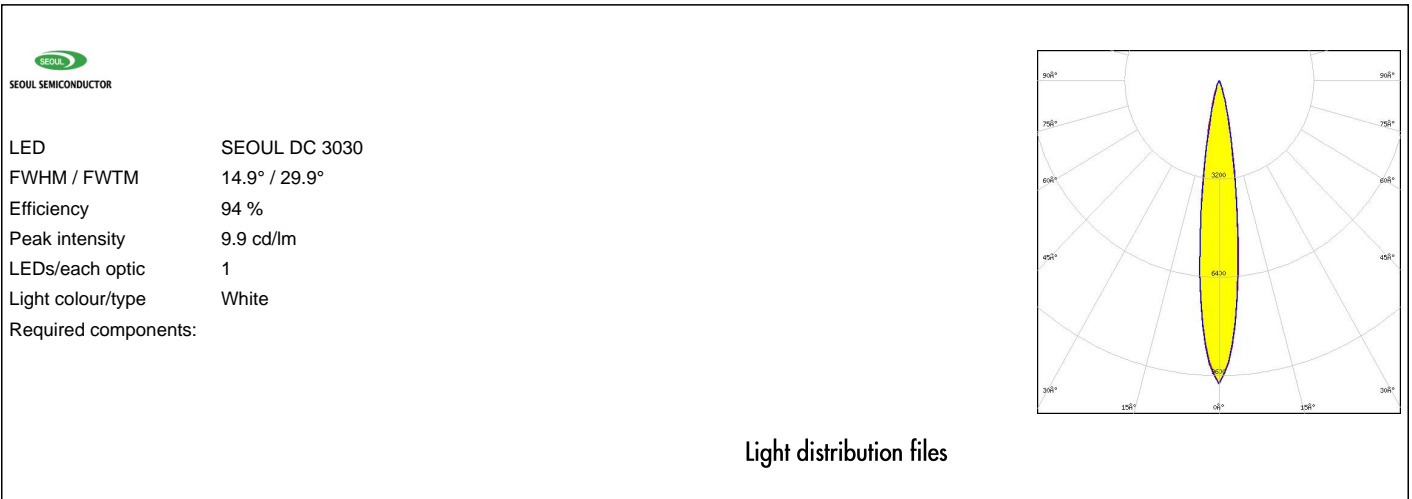
SAMSUNG

LED LM301B
FWHM / FWTM 12.0° / 26.0°
Efficiency 96 %
Peak intensity 12.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:




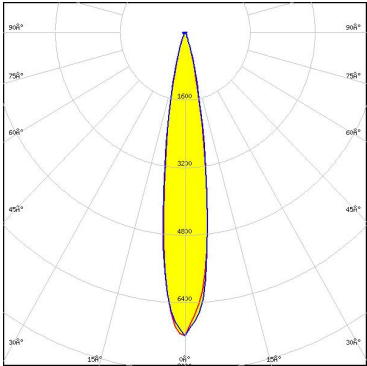
Light distribution files

OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

| | |
|--|---------------|
|  SEOUL SEMICONDUCTOR | |
| LED | Z8Y22 |
| FWHM / FWTM | 16.9° / 33.1° |
| Efficiency | 94 % |
| Peak intensity | 7.2 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.

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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