

HEIDI-RS

~8° spot beam

SPECIFICATION:

| | |
|----------------|-----------|
| Dimensions | Ø 21.6 |
| Height | 11.7 mm |
| Fastening | tape, pin |
| ROHS compliant | yes ⓘ |



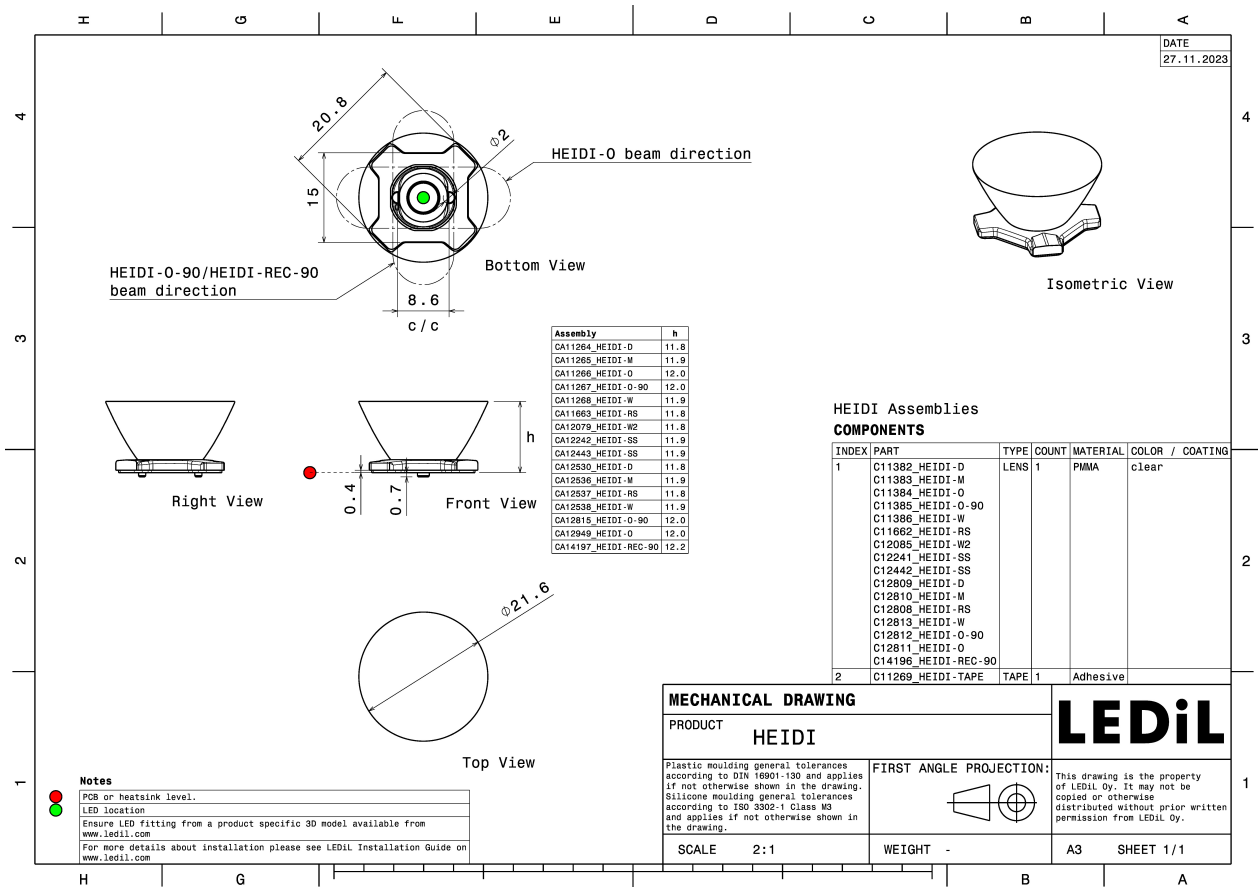
LEDiL

MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|------------|-------------|------------|--------|--------|-------------|
| HEIDI-RS | Single lens | PMMA | clear | | |
| HEIDI-TAPE | Tape | Acryl tape | black | | |

ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA12537_HEIDI-RS | Single lens | 3264 | 204 | 204 | 11.1 |
| » Box size: 480 x 280 x 300 mm | | | | | |

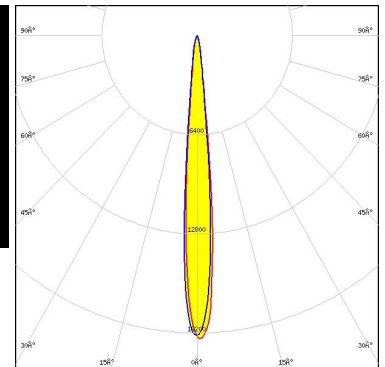


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



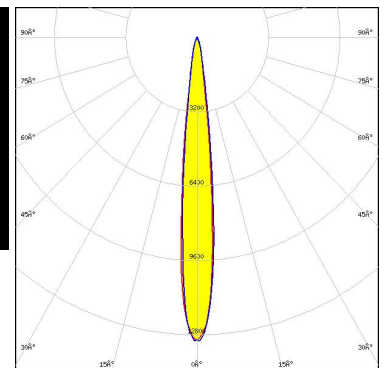
LED XP-G2
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 94 %
 Peak intensity 20 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



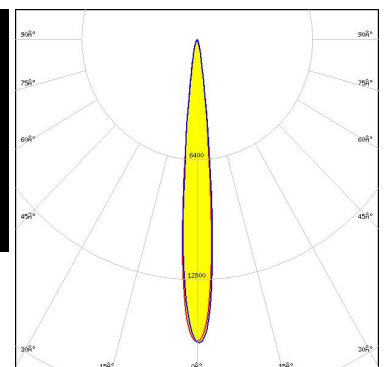
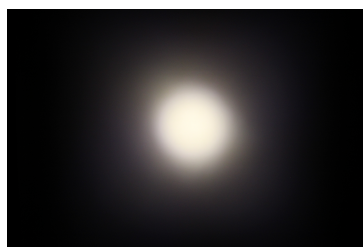
LED XP-G3
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 94 %
 Peak intensity 13 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G4
 FWHM / FWTM 11.0° / 21.0°
 Efficiency 96 %
 Peak intensity 16.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

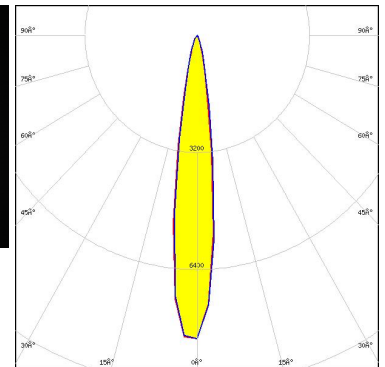
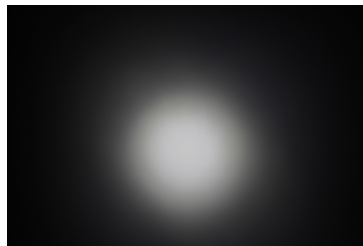


Light distribution files

OPTICAL RESULTS (MEASURED):



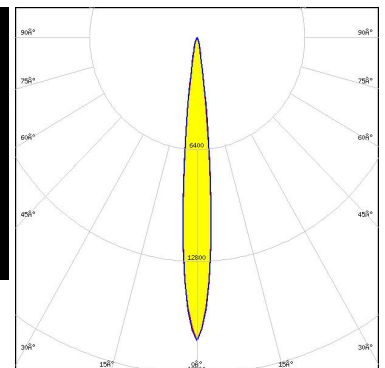
LED XP-L HD
 FWHM / FWTM 15.0° / 29.0°
 Efficiency 89 %
 Peak intensity 8.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON A
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 87 %
 Peak intensity 15.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON Rebel
 FWHM / FWTM 8.0° / 17.0°
 Efficiency 88 %
 Peak intensity 26 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):



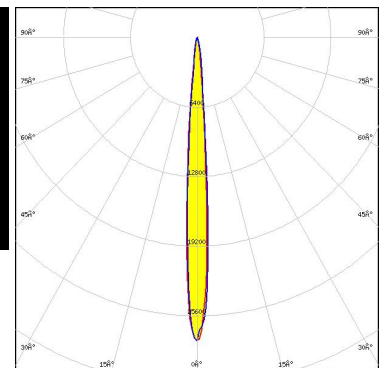
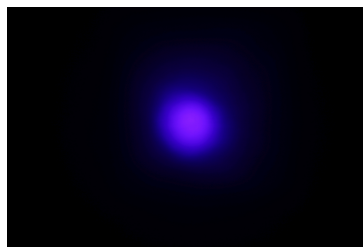
LED LUXEON Rebel ES
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 86 %
 Peak intensity 15.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



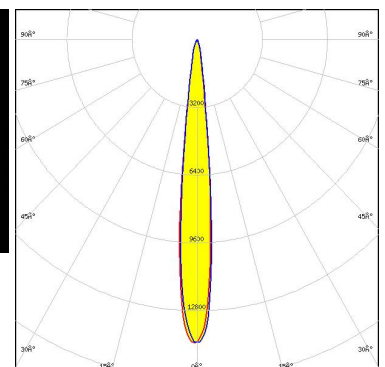
LED SST-10-B130
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 96 %
 Peak intensity 27.9 cd/lm
 LEDs/each optic 1
 Light colour/type Blue
 Required components:



Light distribution files



LED NVSW219D
 FWHM / FWTM 11.0° / 21.0°
 Efficiency 94 %
 Peak intensity 14.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

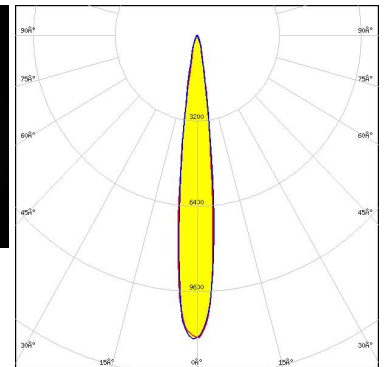


Light distribution files

OPTICAL RESULTS (MEASURED):



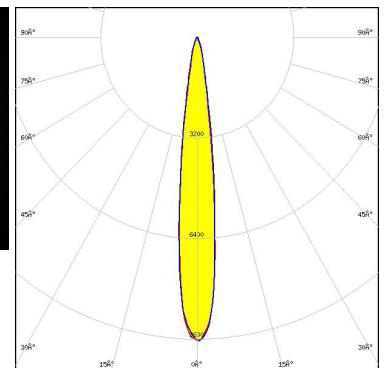
LED NVSW319B
 FWHM / FWTM 13.0° / 25.0°
 Efficiency 94 %
 Peak intensity 11.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



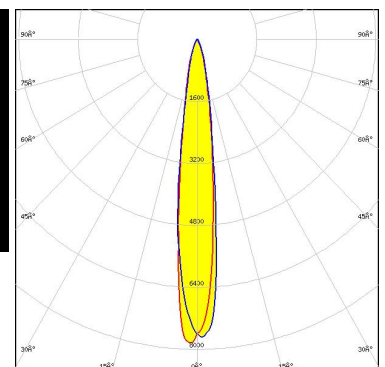
LED NVSW3x9A
 FWHM / FWTM 13.0° / 27.0°
 Efficiency 92 %
 Peak intensity 9.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW519A
 FWHM / FWTM 14.0° / 33.0°
 Efficiency 93 %
 Peak intensity 8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

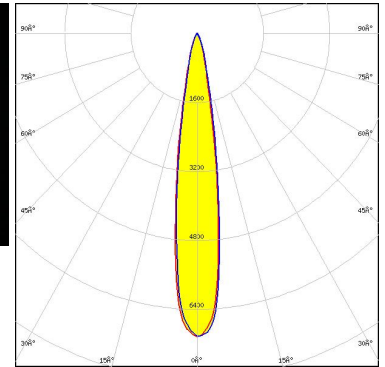


Light distribution files

OPTICAL RESULTS (MEASURED):



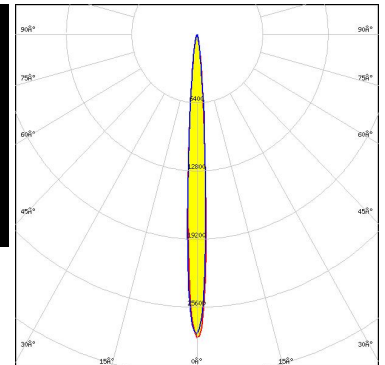
LED NWSx229A
FWHM / FWTM 16.0° / 32.0°
Efficiency 87 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSLON SSL 150
FWHM / FWTM 7.0° / 16.0°
Efficiency 89 %
Peak intensity 28.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



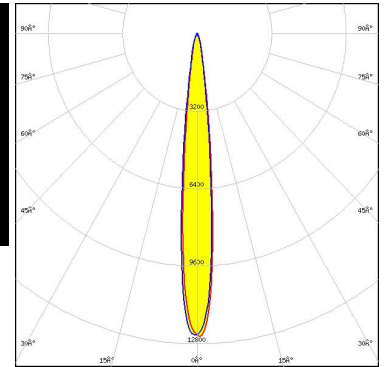
LED PLPVEC2 850A
FWHM / FWTM 6.0° / 16.0°
Efficiency %
LEDs/each optic 1
Light colour/type IR
Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):



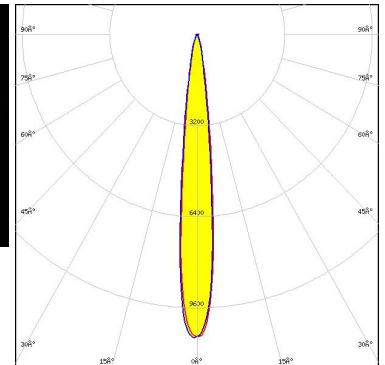
LED Z5M3
FWHM / FWTM 11.0° / 23.0°
Efficiency 94 %
Peak intensity 12.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z8Y22P
FWHM / FWTM 12.0° / 25.0°
Efficiency 94 %
Peak intensity 10.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

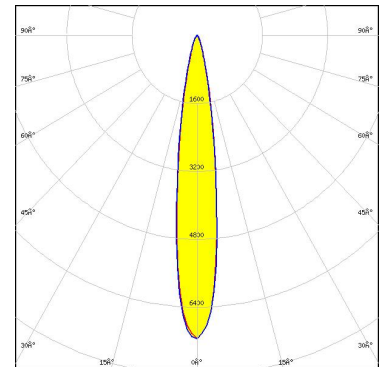


Light distribution files

OPTICAL RESULTS (SIMULATED):



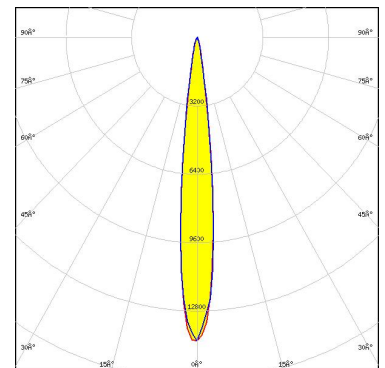
LED XHP35 HD
FWHM / FWTM 16.0° / 32.0°
Efficiency 94 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



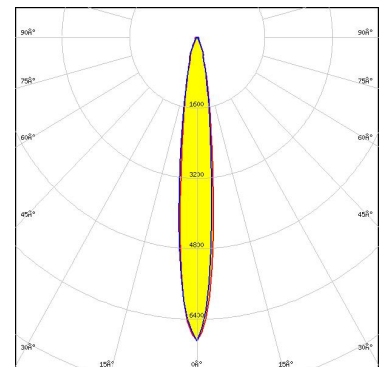
LED XHP35 HI
FWHM / FWTM 12.0° / 22.0°
Efficiency 96 %
Peak intensity 14.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XHP35.2 HI
FWHM / FWTM 13.0° / 32.0°
Efficiency 88 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

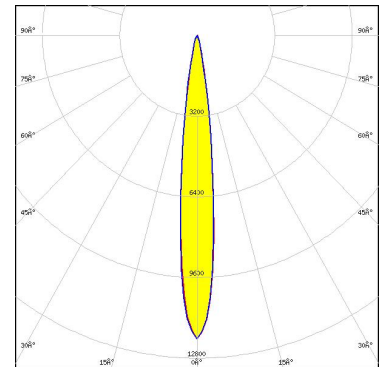


Light distribution files

OPTICAL RESULTS (SIMULATED):



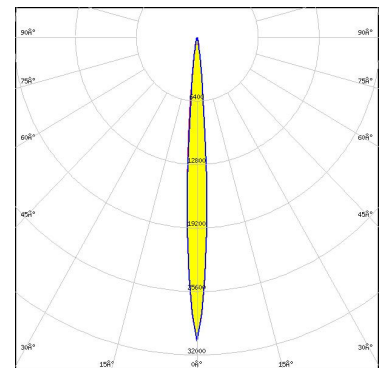
LED XP-G2 HE
FWHM / FWTM 12.0° / 26.0°
Efficiency 95 %
Peak intensity 12 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



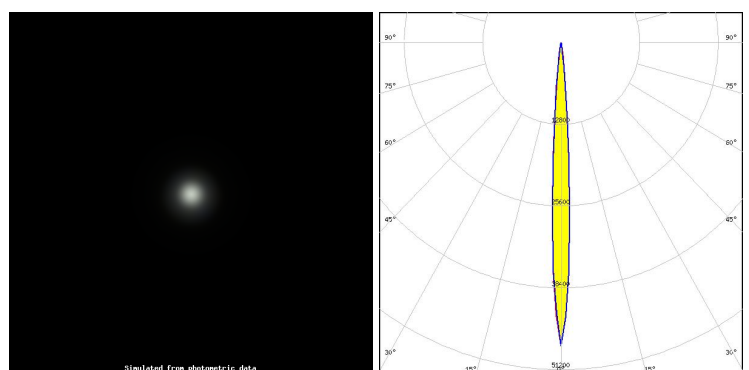
LED XP-G4 HI
FWHM / FWTM 8.0° / 16.0°
Efficiency 95 %
Peak intensity 30.6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-GR
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 47.5 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

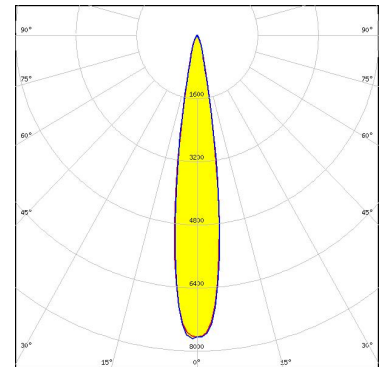


Light distribution files

OPTICAL RESULTS (SIMULATED):



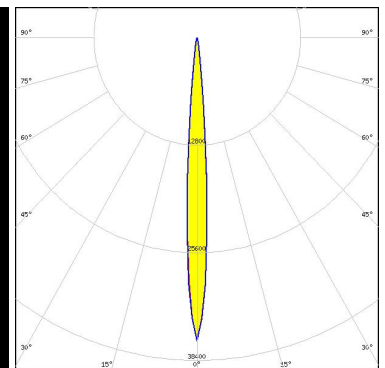
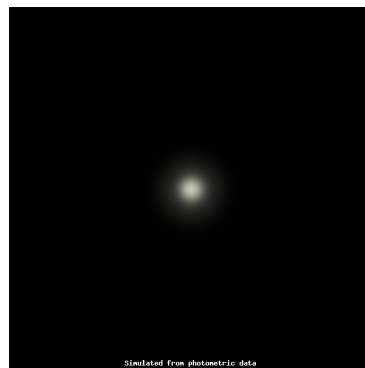
LED XP-L2
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 93 %
 Peak intensity 7.7 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



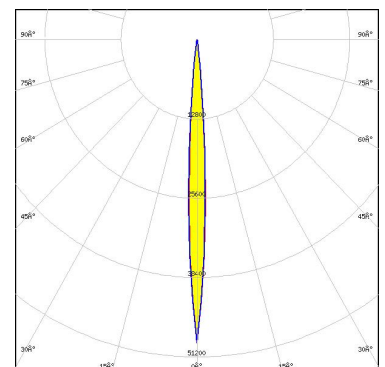
LED XP-LR
 FWHM / FWTM 8.0° / 16.0 + 15.0°
 Efficiency 97 %
 Peak intensity 36.1 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON CZ
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 96 %
 Peak intensity 48.9 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

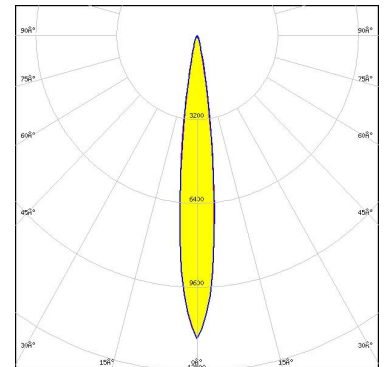


Light distribution files

OPTICAL RESULTS (SIMULATED):



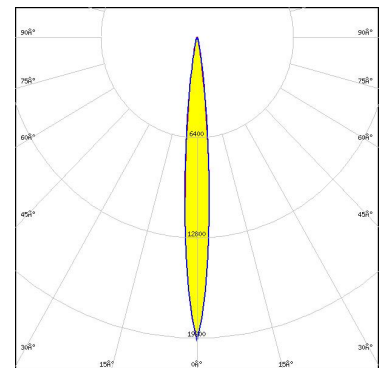
| | |
|----------------------|---------------|
| LED | LUXEON HL2X |
| FWHM / FWTM | 14.0° / 26.0° |
| Efficiency | 95 % |
| Peak intensity | 11.6 cd/m |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files



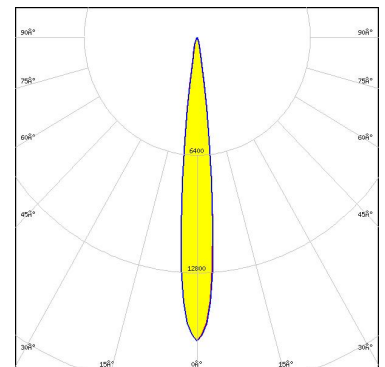
| | |
|----------------------|---------------|
| LED | LUXEON HL2Z |
| FWHM / FWTM | 10.0° / 20.0° |
| Efficiency | 95 % |
| Peak intensity | 19.4 cd/m |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files



| | |
|----------------------|---------------|
| LED | LUXEON HL4Z |
| FWHM / FWTM | 12.0° / 20.0° |
| Efficiency | 96 % |
| Peak intensity | 16.5 cd/m |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

OPTICAL RESULTS (SIMULATED):



| | |
|----------------------|--|
| LED | LUXEON IR Domed 150 (L110-0xxx150000000) |
| FWHM / FWTM | 11.0° / 22.0° |
| Efficiency | 94 % |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

Light distribution files

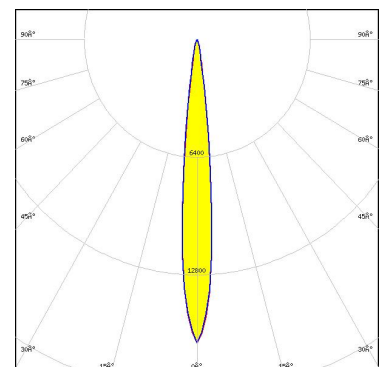


| | |
|----------------------|---|
| LED | LUXEON IR Domed 90 (L110-0xxx090000000) |
| FWHM / FWTM | 11.0° / 23.0° |
| Efficiency | 94 % |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

Light distribution files



| | |
|----------------------|---------------|
| LED | LUXEON R |
| FWHM / FWTM | 11.0° / 20.0° |
| Efficiency | 92 % |
| Peak intensity | 16.5 cd/m |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

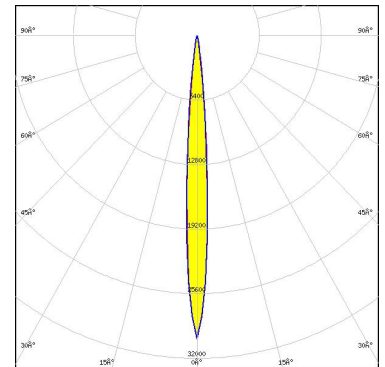


Light distribution files

OPTICAL RESULTS (SIMULATED):



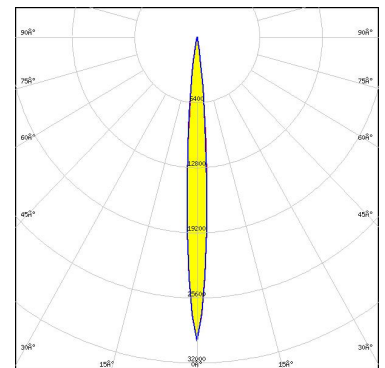
| | |
|----------------------|----------------------------------|
| LED | LUXEON SunPlus 20 Line (120 deg) |
| FWHM / FWTM | 8.0° / 16.0° |
| Efficiency | 96 % |
| Peak intensity | 30.1 cd/Im |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files



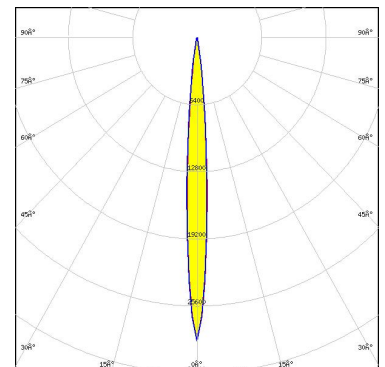
| | |
|----------------------|----------------------------------|
| LED | LUXEON SunPlus 20 Line (150 deg) |
| FWHM / FWTM | 7.8° / 17.0° |
| Efficiency | 93 % |
| Peak intensity | 29.8 cd/Im |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files



| | |
|----------------------|----------------------------------|
| LED | LUXEON SunPlus 20 Line (150 deg) |
| FWHM / FWTM | 8.0° / 16.0° |
| Efficiency | 92 % |
| Peak intensity | 28.9 cd/Im |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

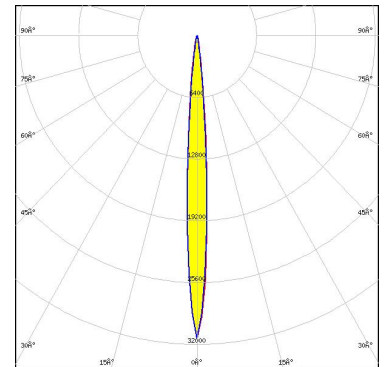


Light distribution files

OPTICAL RESULTS (SIMULATED):



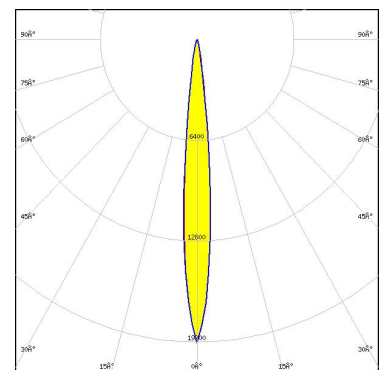
LED LUXEON SunPlus 35 Line
 FWHM / FWTM 7.8° / 17.0°
 Efficiency 94 %
 Peak intensity 31.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



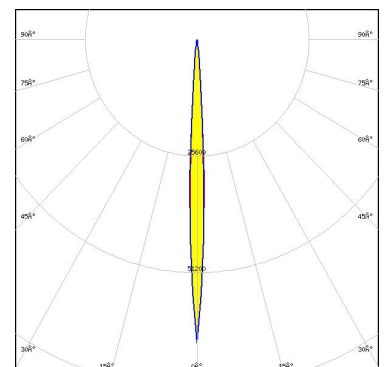
LED LUXEON TX
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 96 %
 Peak intensity 19.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SFT-12R-W-A
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 96 %
 Peak intensity 66.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

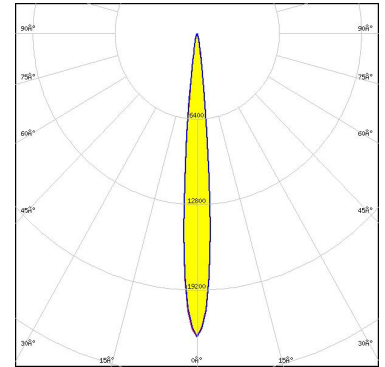


Light distribution files

OPTICAL RESULTS (SIMULATED):



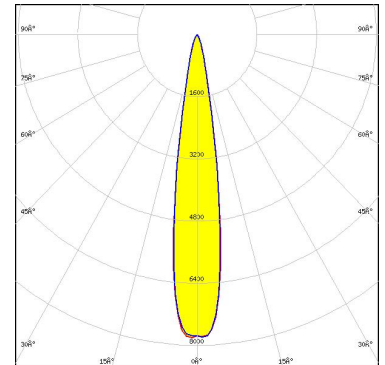
LED SST-20 Gen2
FWHM / FWTM 10.0° / 18.0°
Efficiency 96 %
Peak intensity 22.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



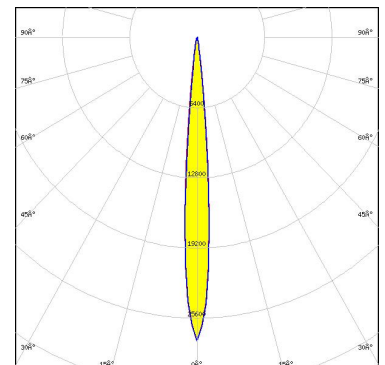
LED NV4WB35AM
FWHM / FWTM 16.0° / 30.0°
Efficiency 96 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW219C-V2
FWHM / FWTM 9.0° / 16.0°
Efficiency 96 %
Peak intensity 27.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

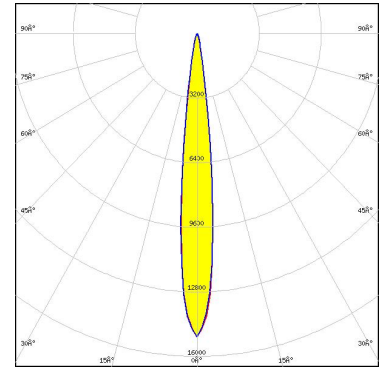


Light distribution files

OPTICAL RESULTS (SIMULATED):



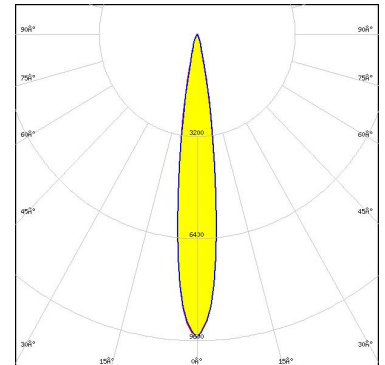
LED NVSW219F
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 96 %
 Peak intensity 15 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



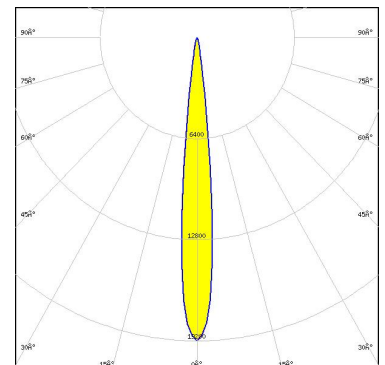
LED NVSW519A
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 92 %
 Peak intensity 9.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW719AC
 FWHM / FWTM 12.0° / 20.0°
 Efficiency 97 %
 Peak intensity 19.2 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

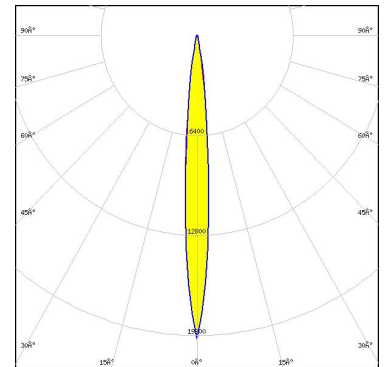


Light distribution files

OPTICAL RESULTS (SIMULATED):



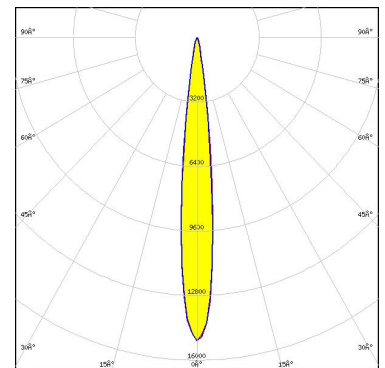
LED NVSxE21A
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 94 %
 Peak intensity 19.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



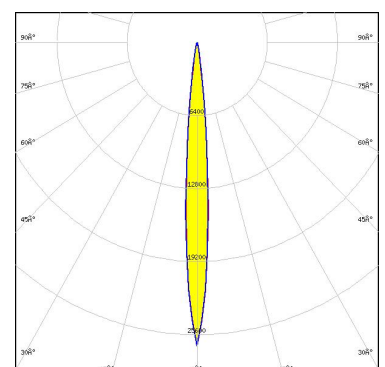
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 95 %
 Peak intensity 15 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSCONIQ C 2424
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 96 %
 Peak intensity 26.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

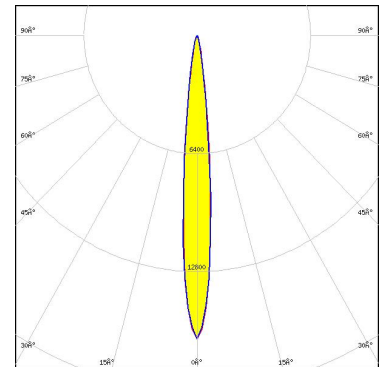


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

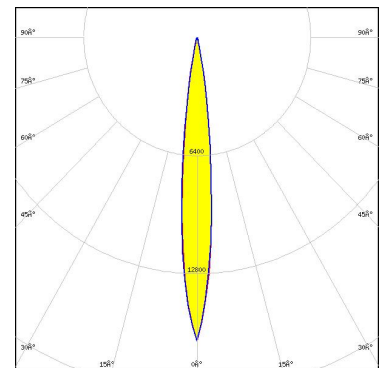
LED OSCONIQ P 3737 Flat
FWHM / FWTM 10.0° / 22.0°
Efficiency 96 %
Peak intensity 16.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

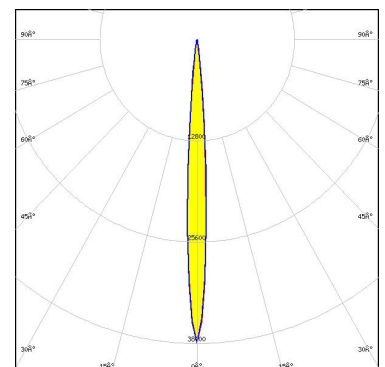
LED OSLON Black
FWHM / FWTM 11.0° / 22.0°
Efficiency 93 %
Peak intensity 16.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 7.3° / 15.0°
Efficiency 94 %
Peak intensity 38.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

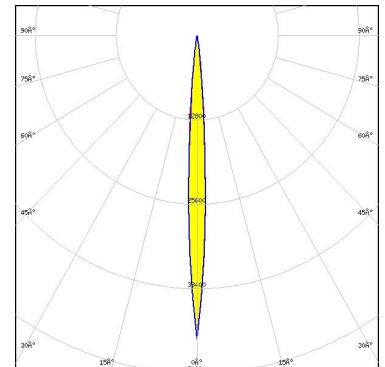


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

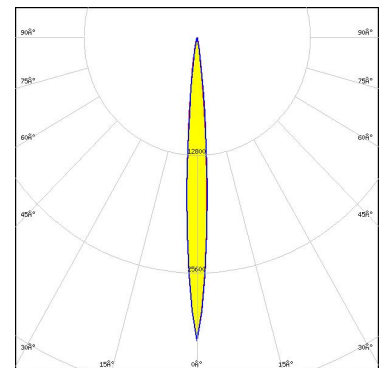
LED OSLON Pure 1414
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 46 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

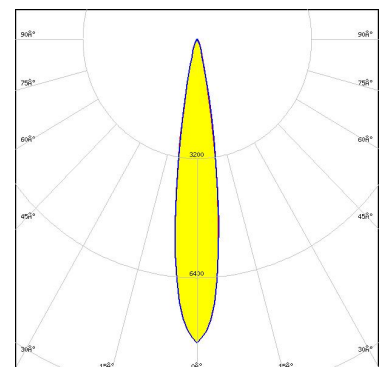
LED OSLON SSL 150
FWHM / FWTM 8.0° / 16.0°
Efficiency 96 %
Peak intensity 33 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

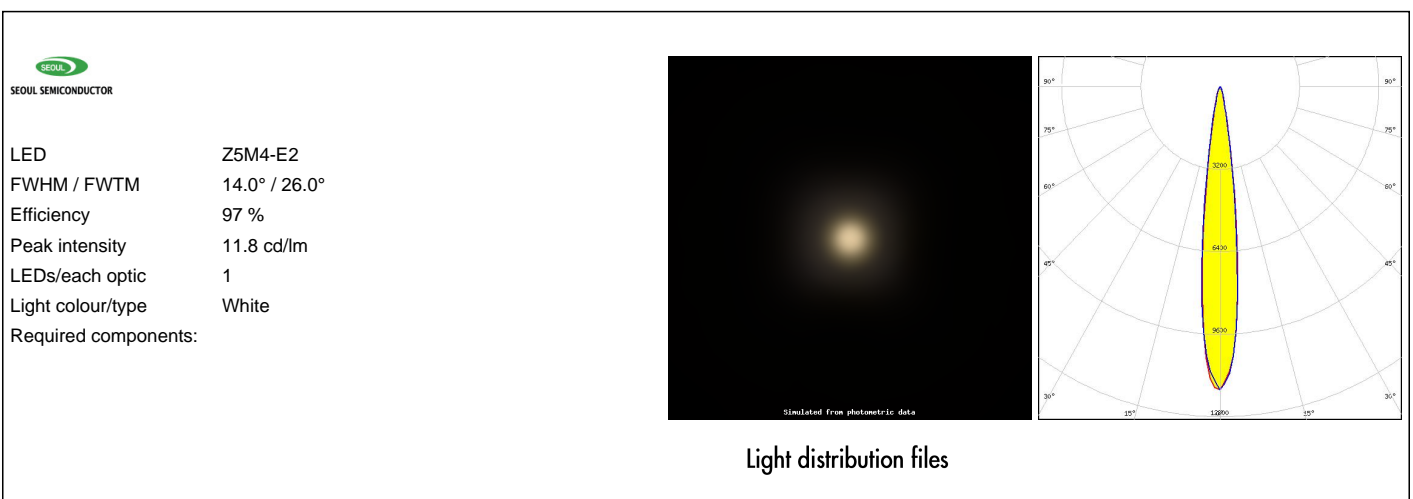
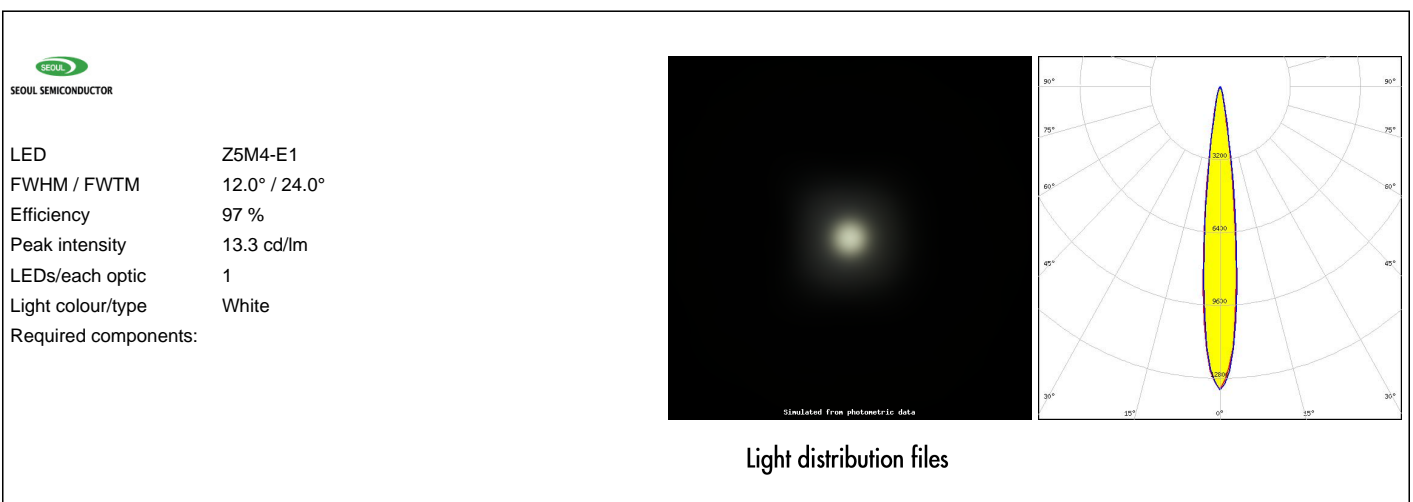
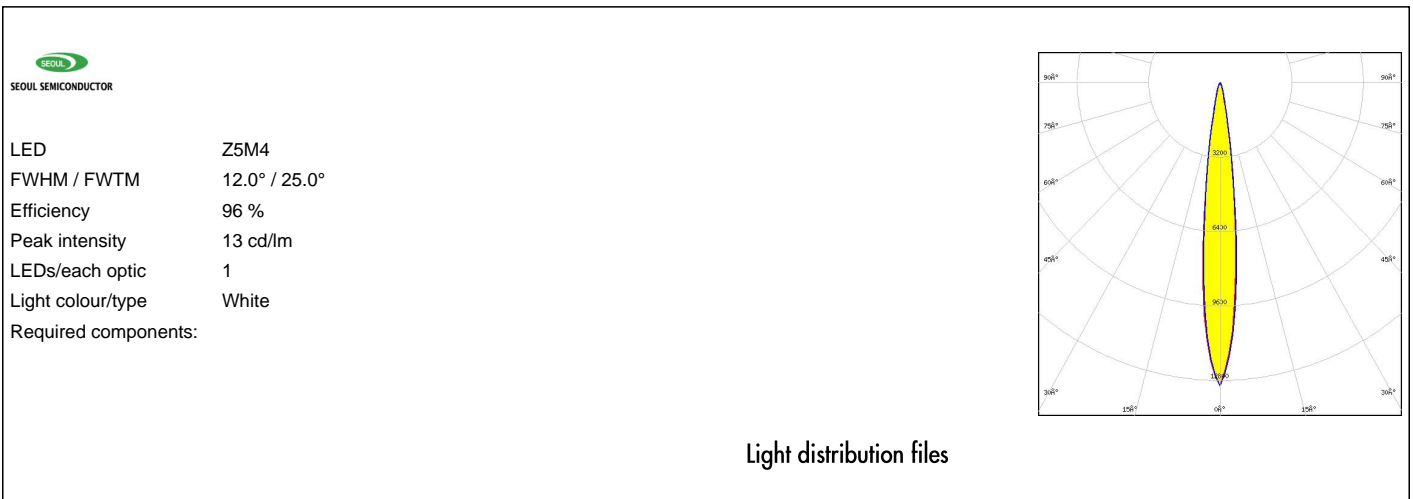
SAMSUNG

LED LH351D
FWHM / FWTM 16.0° / 29.0°
Efficiency 94 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

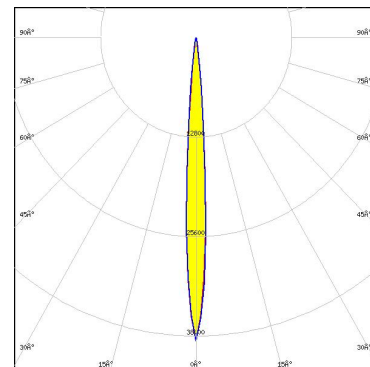
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



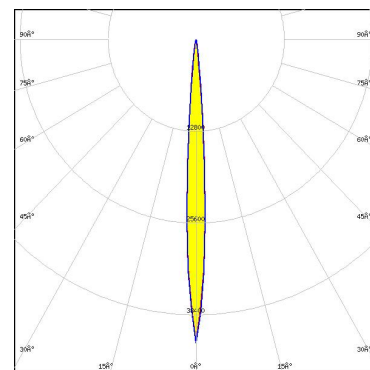
LED MGN1108MS
FWHM / FWTM 8.0° / 14.0°
Efficiency 97 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files



LED MJN1108MS
FWHM / FWTM 8.0° / 14.0°
Efficiency 97 %
LEDs/each optic 1
Light colour/type IR
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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