

HEIDI-D

~10° diffused spot beam optimized for LUXEON
Rebel ES

SPECIFICATION:

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

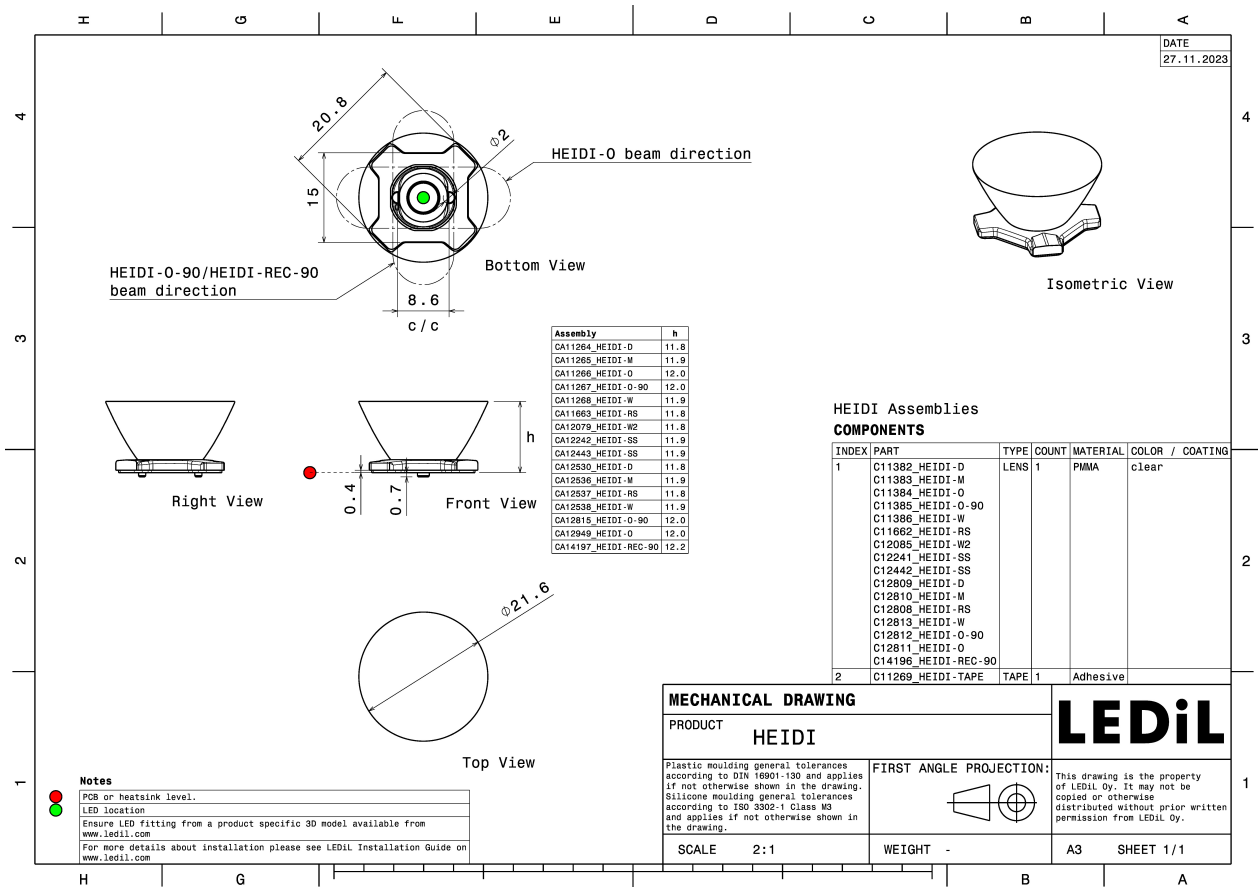


MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|------------|-------------|--------------|--------|--------|-------------|
| HEIDI-D | Single lens | PMMA | clear | | |
| HEIDI-TAPE | Tape | Acrylic foam | black | | |

ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA12530_HEIDI-D | Single lens | 3264 | 204 | 204 | 10.3 |
| » Box size: 480 x 280 x 300 mm | | | | | |

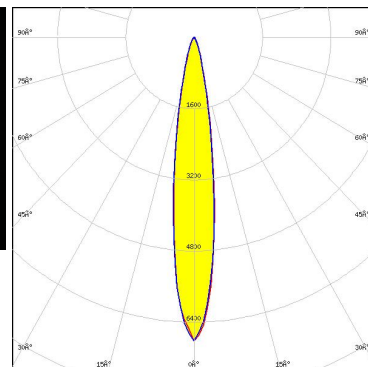


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



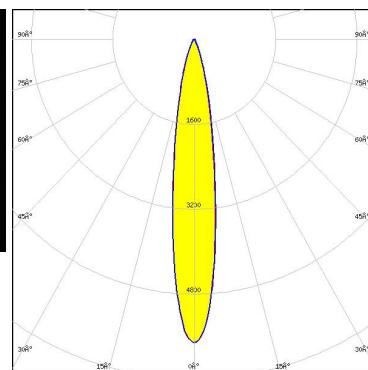
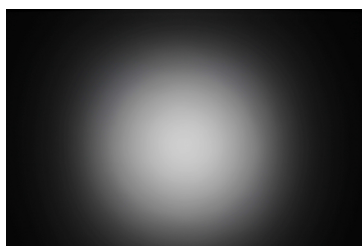
LED XHP35 HD
FWHM / FWTM 20.0° / 46.0°
Efficiency 83 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



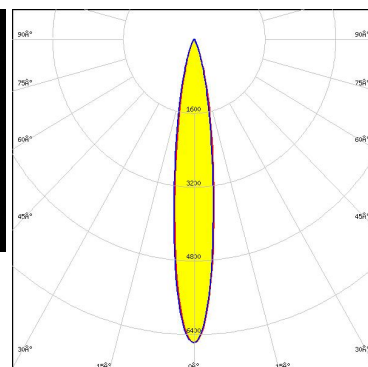
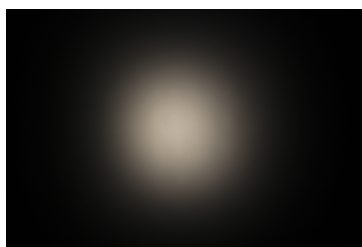
LED XHP35 HI
FWHM / FWTM 17.0° / 38.0°
Efficiency 94 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G2
FWHM / FWTM 15.0° / 36.0°
Efficiency 94 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

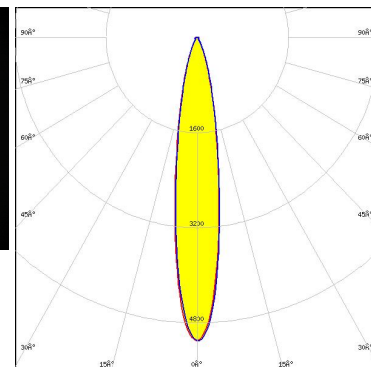
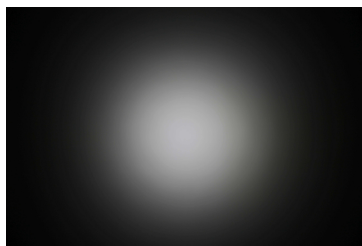


Light distribution files

OPTICAL RESULTS (MEASURED):



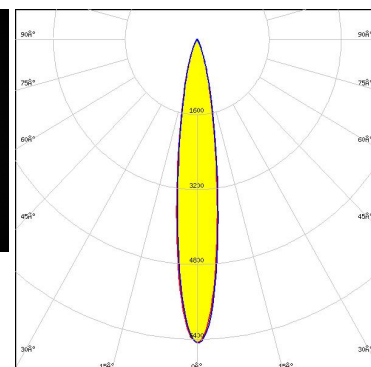
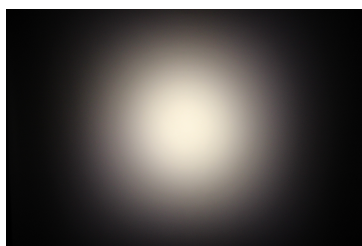
LED XP-G3
 FWHM / FWTM 17.0° / 40.0°
 Efficiency 94 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



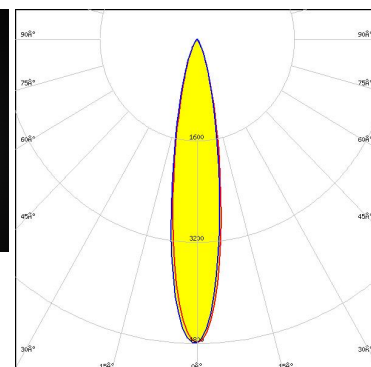
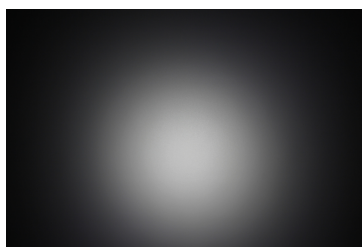
LED XP-G4
 FWHM / FWTM 16.0° / 37.0°
 Efficiency 94 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-L HD
 FWHM / FWTM 18.0° / 41.0°
 Efficiency 85 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

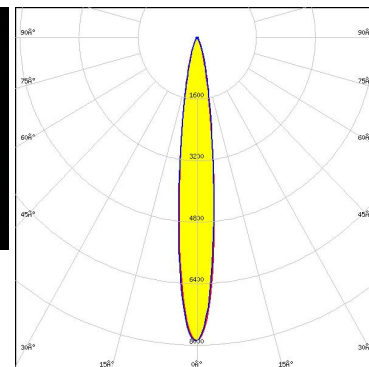
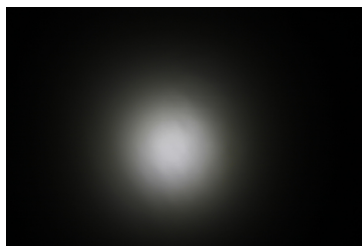


Light distribution files

OPTICAL RESULTS (MEASURED):



LED XT-E
 FWHM / FWTM 14.0° / 32.0°
 Efficiency 94 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



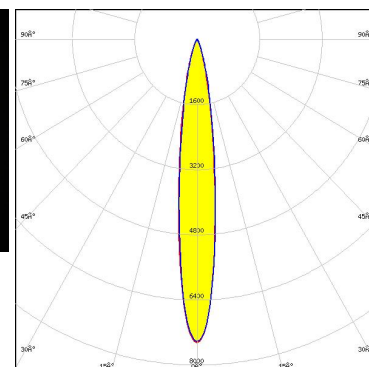
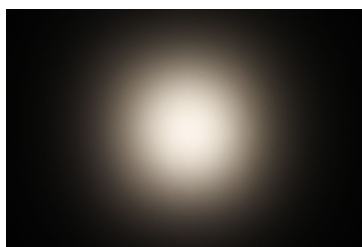
LED LUXEON A
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 86 %
 Peak intensity 10 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON Rebel
 FWHM / FWTM 14.0° / 34.0°
 Efficiency 86 %
 Peak intensity 7.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

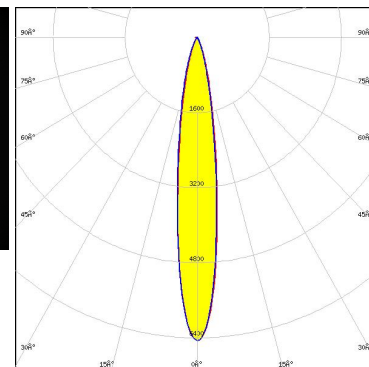
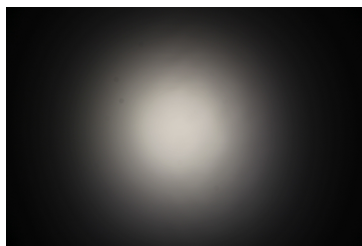


Light distribution files

OPTICAL RESULTS (MEASURED):



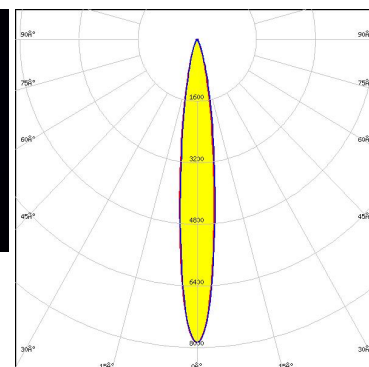
LED LUXEON Rebel ES
 FWHM / FWTM 15.0° / 36.0°
 Efficiency 91 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



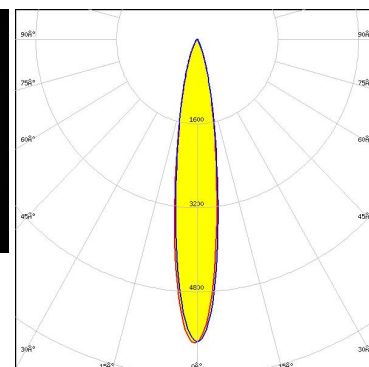
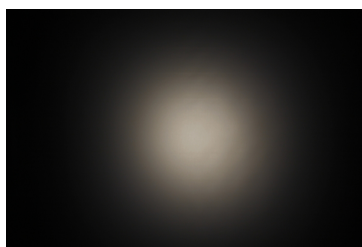
LED SST-10-B130
 FWHM / FWTM 14.0° / 32.0°
 Efficiency 93 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour/type Blue
 Required components:



Light distribution files



LED NVSW219D
 FWHM / FWTM 16.0° / 39.0°
 Efficiency 94 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

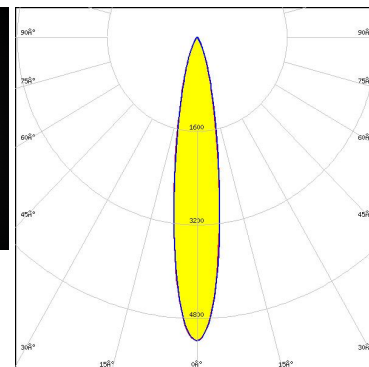
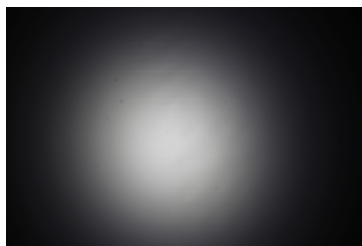


Light distribution files

OPTICAL RESULTS (MEASURED):



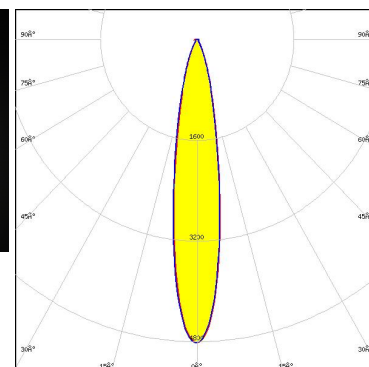
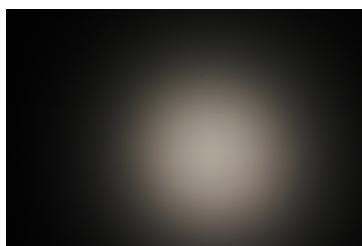
LED NVSW319B
FWHM / FWTM 18.0° / 41.0°
Efficiency 93 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



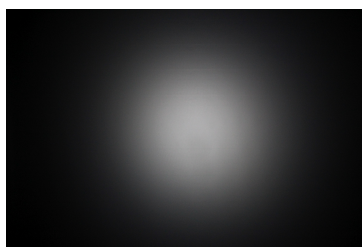
LED NVSW3x9A
FWHM / FWTM 18.0° / 41.0°
Efficiency 90 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW519A
FWHM / FWTM 20.0° / 45.0°
Efficiency 94 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

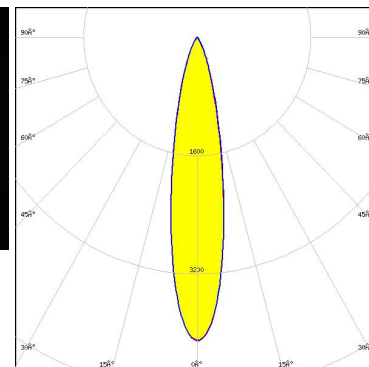
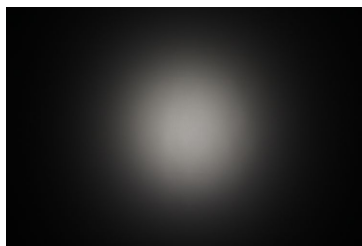


Light distribution files

OPTICAL RESULTS (MEASURED):



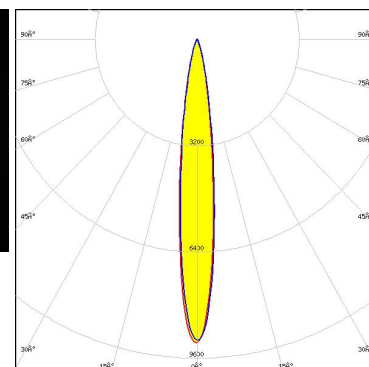
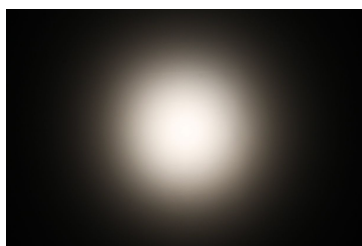
LED NWSx229A
 FWHM / FWTM 20.0° / 45.0°
 Efficiency 84 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



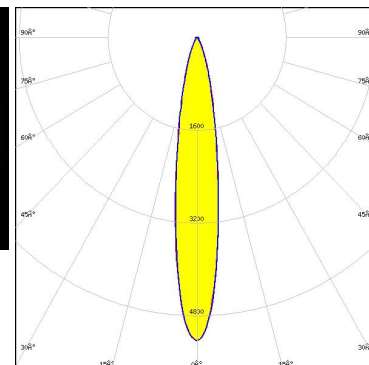
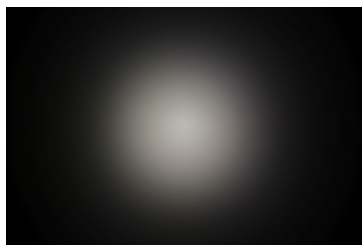
LED OSLON SSL 150
 FWHM / FWTM 13.0° / 30.0°
 Efficiency 87 %
 Peak intensity 9.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z5M3
 FWHM / FWTM 17.0° / 40.0°
 Efficiency 94 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

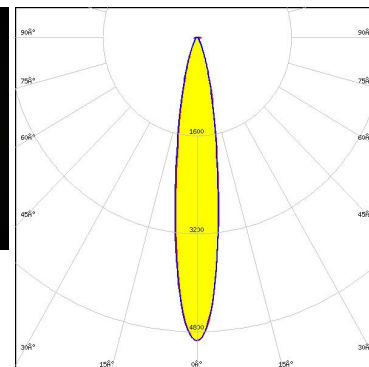
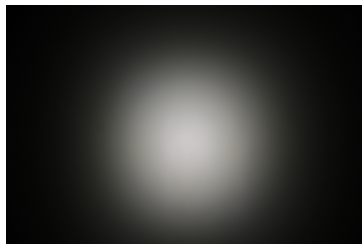


Light distribution files

OPTICAL RESULTS (MEASURED):



LED Z8Y22P
FWHM / FWTM 17.0° / 39.0°
Efficiency 92 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

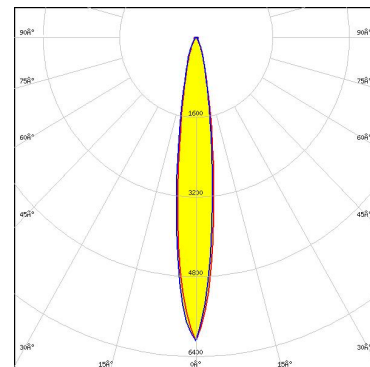


Light distribution files

OPTICAL RESULTS (SIMULATED):



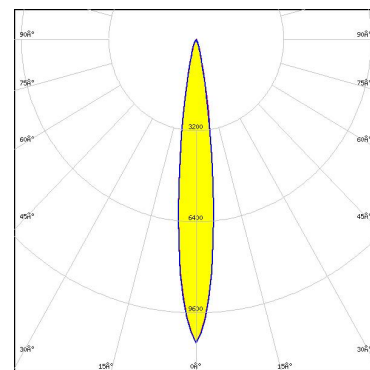
LED XHP35.2 HI
FWHM / FWTM 14.0° / 35.0°
Efficiency 88 %
Peak intensity 6.1 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



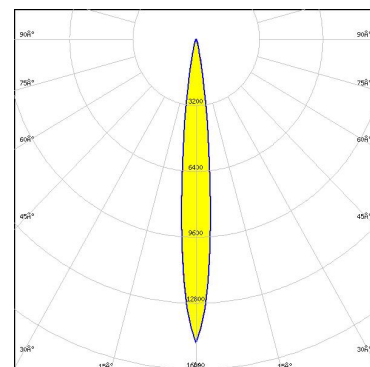
LED XP-G2 HE
FWHM / FWTM 14.0° / 28.0°
Efficiency 95 %
Peak intensity 10.7 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON HL2Z
FWHM / FWTM 12.0° / 24.0°
Efficiency 95 %
Peak intensity 14.7 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):

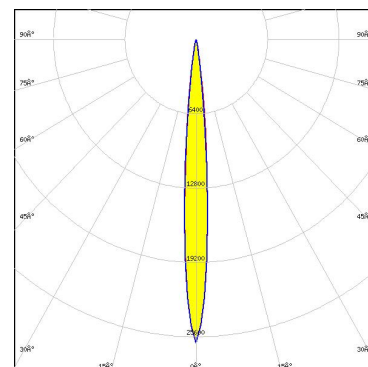


LED LUXEON R
FWHM / FWTM 12.0° / 26.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



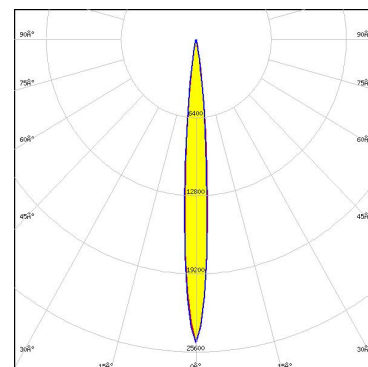
LED LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM 9.0° / 18.0°
Efficiency 96 %
Peak intensity 26.1 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 8.0° / 18.0°
Efficiency 92 %
Peak intensity 24.9 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

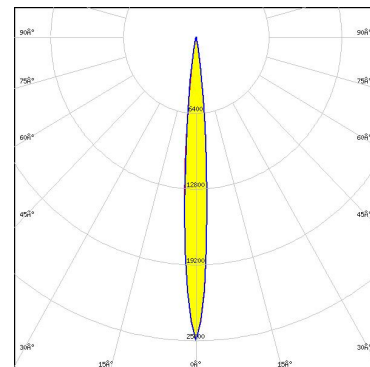


Light distribution files

OPTICAL RESULTS (SIMULATED):



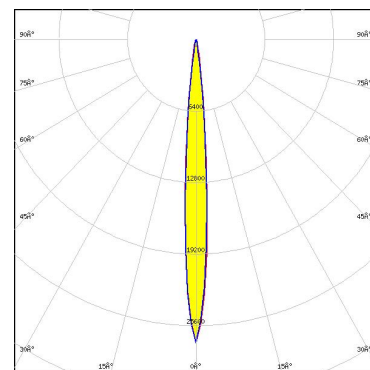
LED LUXEON SunPlus 20 Line (150 deg)
 FWHM / FWTM 8.7° / 18.0°
 Efficiency 93 %
 Peak intensity 25.6 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



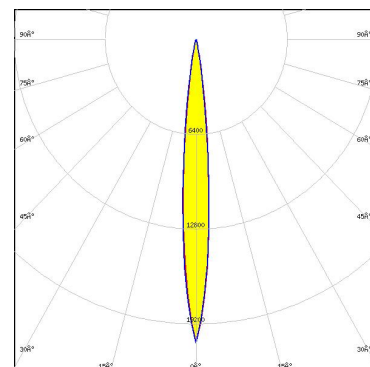
LED LUXEON SunPlus 35 Line
 FWHM / FWTM 8.5° / 18.0°
 Efficiency 94 %
 Peak intensity 27.2 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON Z ES
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 94 %
 Peak intensity 20.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

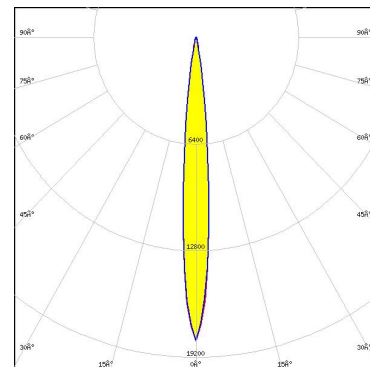


Light distribution files

OPTICAL RESULTS (SIMULATED):



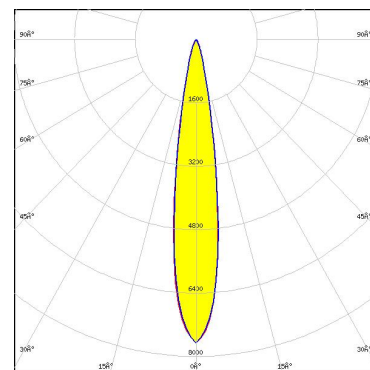
LED NCSxE17A
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 92 %
 Peak intensity 18.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



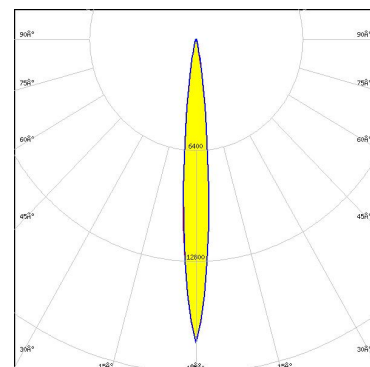
LED NV4WB35AM
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 96 %
 Peak intensity 7.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxE21A
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 94 %
 Peak intensity 17.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

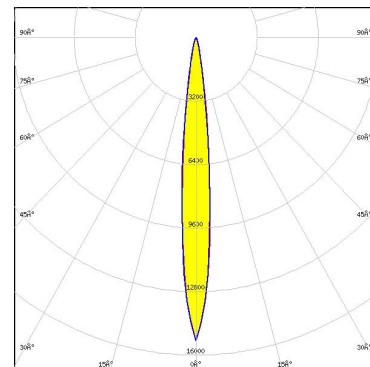


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

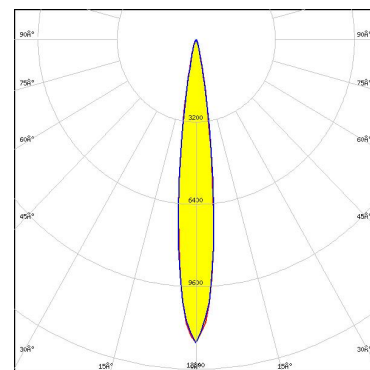
LED OSCONIQ P 3737 Flat
FWHM / FWTM 11.0° / 23.0°
Efficiency 97 %
Peak intensity 15.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351C
FWHM / FWTM 14.0° / 26.0°
Efficiency 96 %
Peak intensity 11.8 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 7
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Poznan, Poland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)