

AMY-25-ZOOM

Ø25 mm zoomable lens with infinitely adjustable
beam from 20 to 50 degrees

SPECIFICATION:

| | |
|----------------|-------------|
| Dimensions | 25.0 x 25.0 |
| Height | 12 mm |
| Fastening | tape |
| ROHS compliant | yes ⓘ |



MATERIALS:

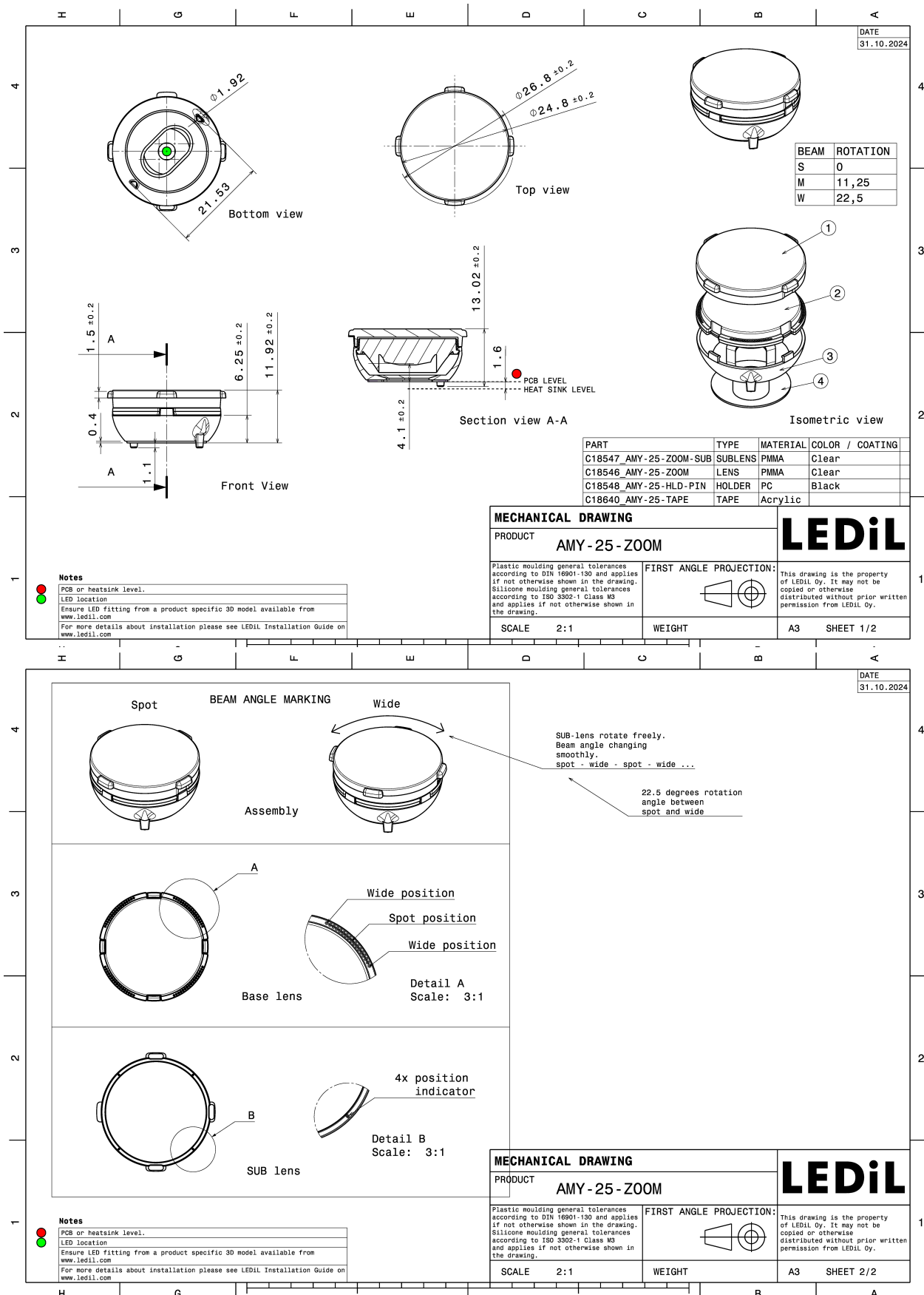
| Component | Type | Material | Colour | Finish | Length (mm) |
|-----------------|-------------|----------|--------|--------|-------------|
| AMY-25-ZOOM | Single lens | PMMA | clear | | |
| AMY-25-HLD-PIN | Assembly | | black | | |
| AMY-25-ZOOM-SUB | Sublens | PMMA | | | |

ORDERING INFORMATION:

Quantities for one set:

| | |
|----------|---|
| Sublens | 1 |
| Assembly | 1 |

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|----------|------------|-----|-----|-----------------|
| C18547_AMY-25-ZOOM-SUB » Box size: 480 x 280 x 185 mm | Sublens | 3375 | 135 | 135 | 5.4 |
| CA18549_AMY-25-ZOOM » Box size: 480 x 280 x 300 mm | Assembly | 3375 | 135 | 135 | 12.7 |

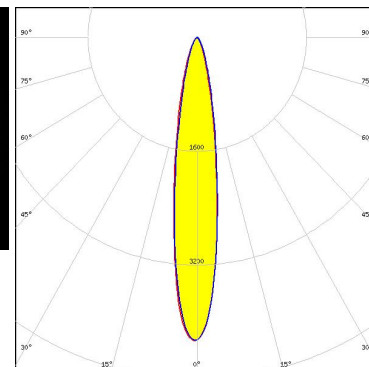
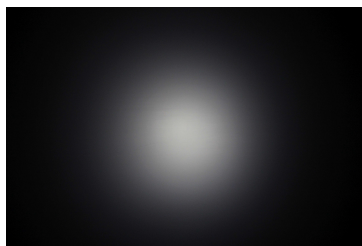


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



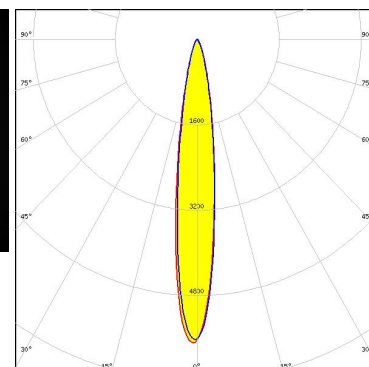
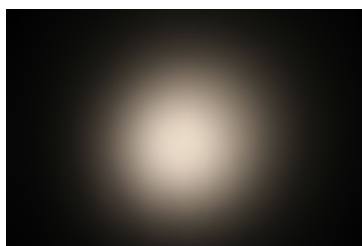
| | |
|----------------------|-----------------------------|
| LED | SST-40 |
| FWHM / FWTM | 17.0 + 49.0° / 40.0 + 76.0° |
| Efficiency | 75 % |
| Peak intensity | 4.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files



| | |
|----------------------|-----------------------------|
| LED | NVSW719AC |
| FWHM / FWTM | 15.0 + 46.0° / 35.0 + 71.0° |
| Efficiency | 76 % |
| Peak intensity | 5.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

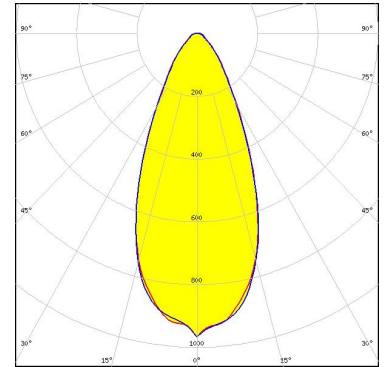


Light distribution files

OPTICAL RESULTS (SIMULATED):



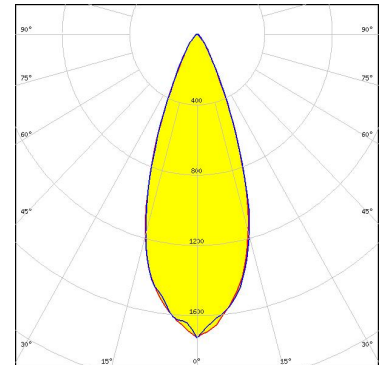
LED CSP 2727 (BXCP)
 FWHM / FWTM 36.0 + 57.0° / 72.0 + 97.0°
 Efficiency 75 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files

CITIZEN

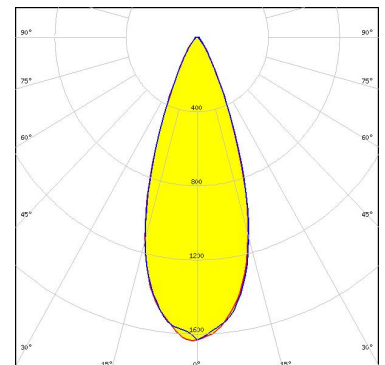
LED CLU7B2
 FWHM / FWTM 18.0 + 52.0° / 40.0 + 77.0°
 Efficiency 81 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XHP35.2 HI
 FWHM / FWTM 18.0 + 51.0° / 38.0 + 78.0°
 Efficiency 80 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

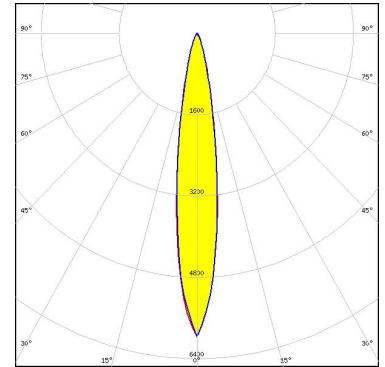


Light distribution files

OPTICAL RESULTS (SIMULATED):



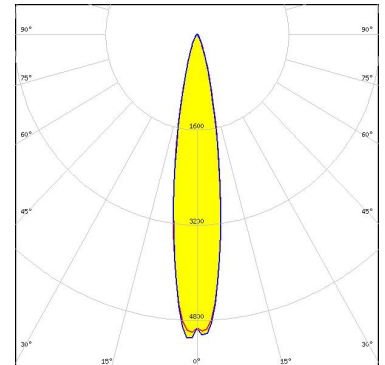
LED XP-G3
FWHM / FWTM 16.0 + 49.0° / 34.0 + 80.0°
Efficiency 80 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



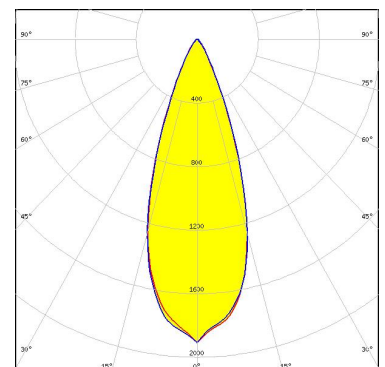
LED XP-L HD
FWHM / FWTM 18.0 + 50.0° / 38.0 + 82.0°
Efficiency 82 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON HL2X
FWHM / FWTM 16.0 + 50.0° / 34.0 + 70.0°
Efficiency 84 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

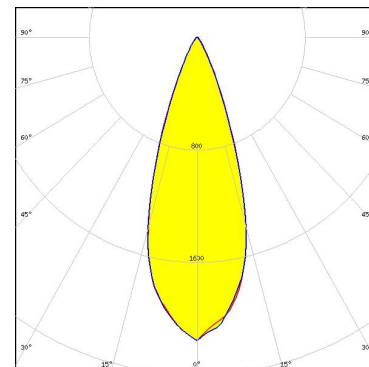


Light distribution files

OPTICAL RESULTS (SIMULATED):



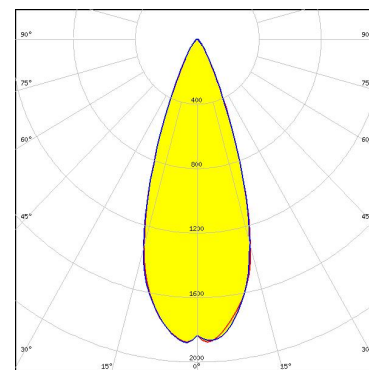
LED SFT-40-WCS
FWHM / FWTM 14.0 + 48.0° / 28.0 + 71.0°
Efficiency 86 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



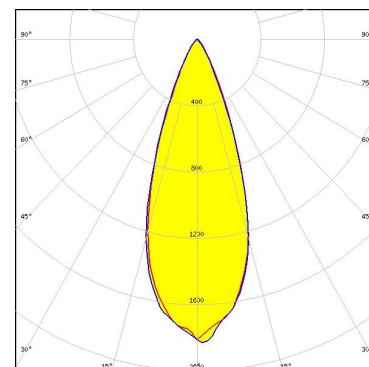
LED SFT-70X-WCS
FWHM / FWTM 16.0 + 51.0° / 32.0 + 74.0°
Efficiency 84 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SST-40
FWHM / FWTM 17.0 + 51.0° / 37.0 + 75.0°
Efficiency 81 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

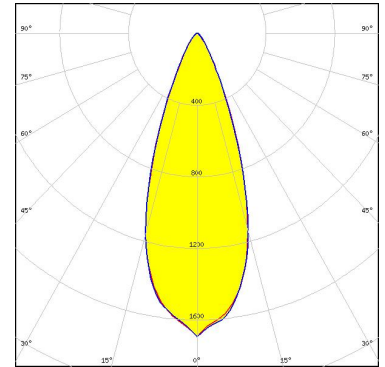


Light distribution files

OPTICAL RESULTS (SIMULATED):



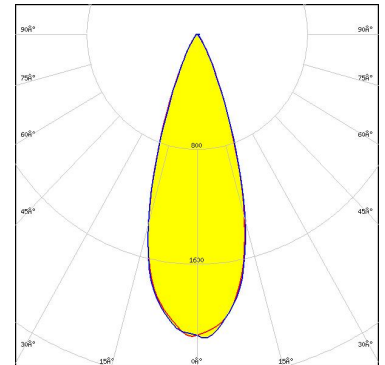
LED NV4WB35AM
FWHM / FWTM 18.0 + 52.0° / 38.0 + 78.0°
Efficiency 81 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



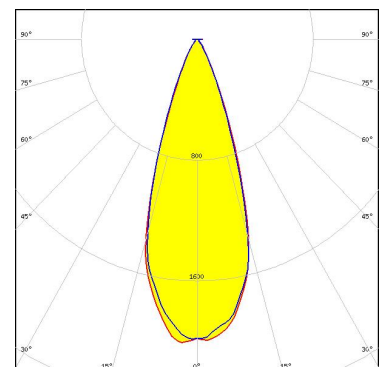
Light distribution files



LED NVSxx19B/NVSxx19C
FWHM / FWTM 14.0 + 48.0° / 28.0 + 70.0°
Efficiency 84 %
Peak intensity 9.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED OSCONIQ P 3737 (2W version)
FWHM / FWTM 12.0 + 49.0° / 28.0 + 72.0°
Efficiency 85 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

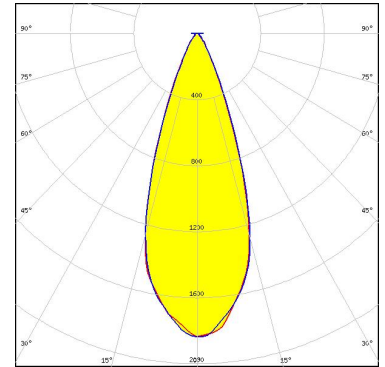


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

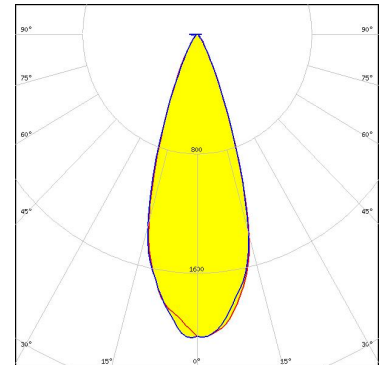
LED OSCONIQ P 3737 (3W version)
FWHM / FWTM 16.0 + 51.0° / 34.0 + 75.0°
Efficiency 85 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

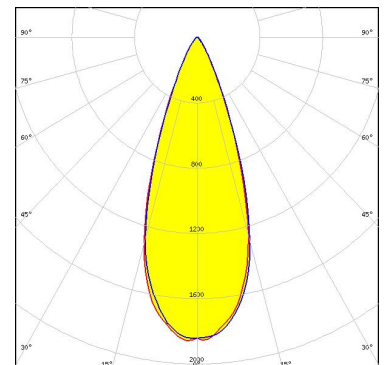
LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM 12.0 + 49.0° / 28.0 + 71.0°
Efficiency 85 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351C
FWHM / FWTM 16.0 + 50.0° / 34.0 + 74.0°
Efficiency 85 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

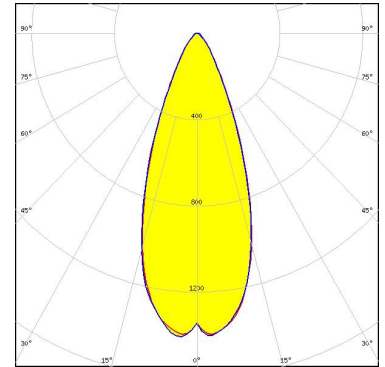


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

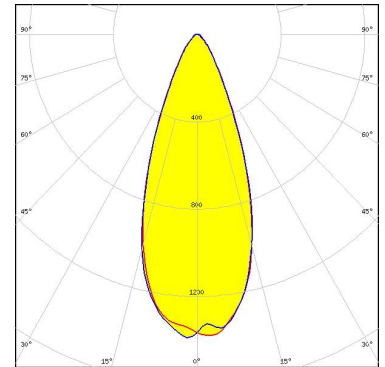
| | |
|----------------------|-----------------------------|
| LED | LH502D |
| FWHM / FWTM | 22.0 + 52.0° / 46.0 + 85.0° |
| Efficiency | 80 % |
| Peak intensity | 3.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files



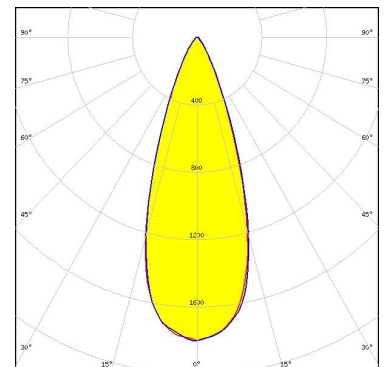
| | |
|----------------------|-----------------------------|
| LED | SEOUL DC 5050 6V |
| FWHM / FWTM | 22.0 + 54.0° / 48.0 + 86.0° |
| Efficiency | 80 % |
| Peak intensity | 3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files



| | |
|----------------------|-----------------------------|
| LED | Z5M4 |
| FWHM / FWTM | 18.0 + 50.0° / 36.0 + 76.0° |
| Efficiency | 83 % |
| Peak intensity | 5.7 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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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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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