

GABRIELLA-45-W

~35° wide beam with holder

SPECIFICATION:

| | |
|----------------|------------|
| Dimensions | Ø 45.0 mm |
| Height | 28.8 mm |
| Fastening | pin, screw |
| ROHS compliant | yes ⓘ |

MATERIALS:

| Component | Type | Material | Colour | Finish |
|-------------------------|-------------|----------|--------|--------|
| C15813_GABRIELLA-45-W | Single lens | PMMA | clear | |
| C15528_GABRIELLA-45-HLD | Holder | PC | black | |

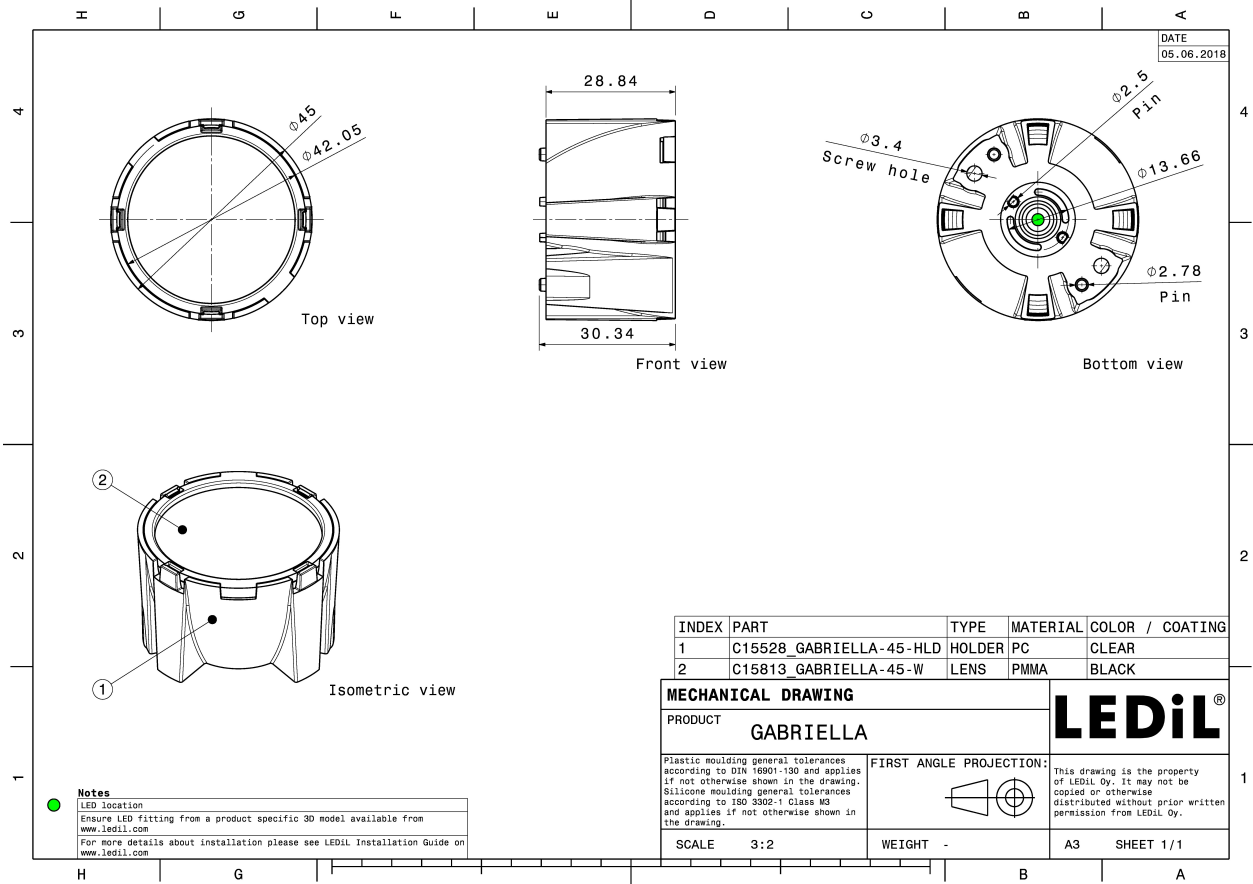
ORDERING INFORMATION:

Quantities for one set:

| | |
|-------------|---|
| Single lens | 1 |
| Holder | 1 |

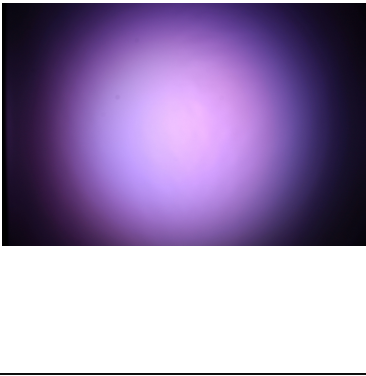
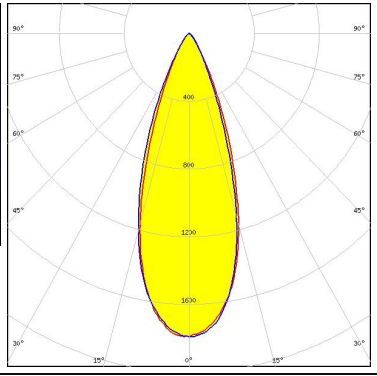

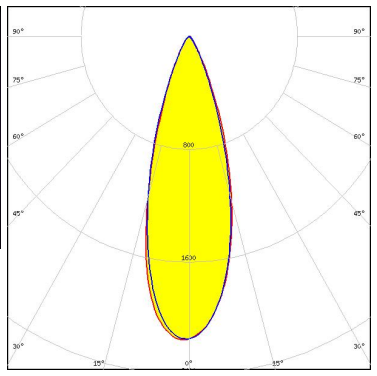

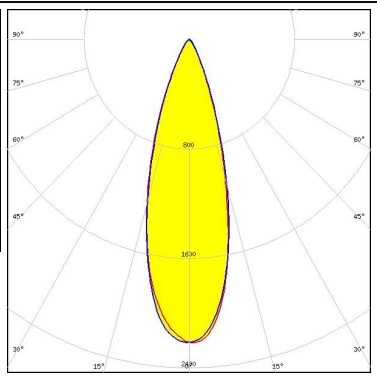
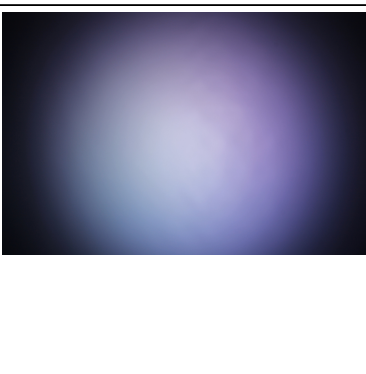
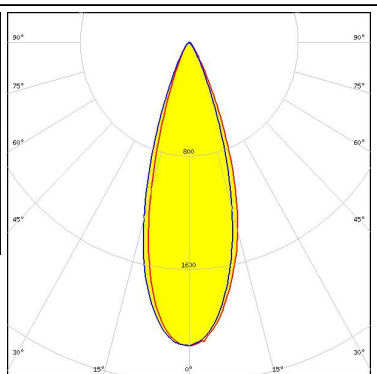


| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| C15813_GABRIELLA-45-W | Single lens | 405 | 90 | 45 | 8.6 |
| » Box size: 476 x 273 x 292 mm | | | | | |
| C15528_GABRIELLA-45-HLD | Holder | 405 | 90 | 45 | 5.1 |
| » Box size: 476 x 273 x 292 mm | | | | | |

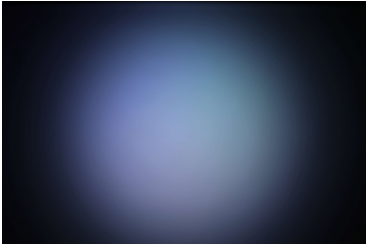
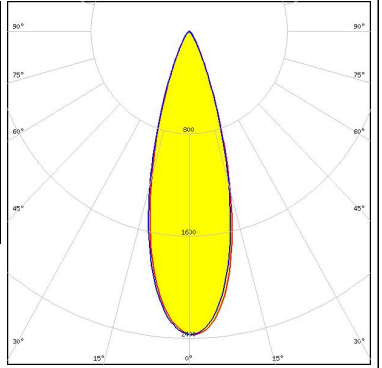
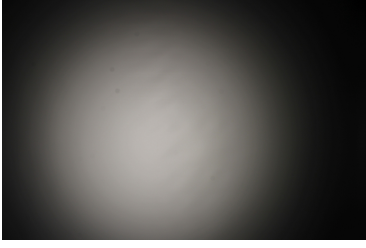
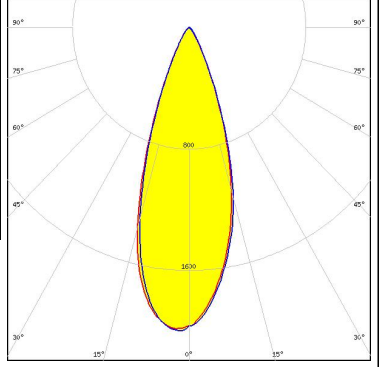
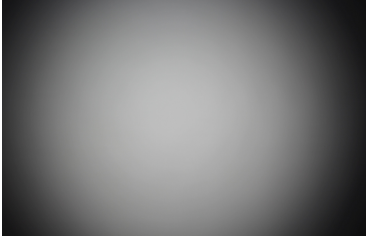
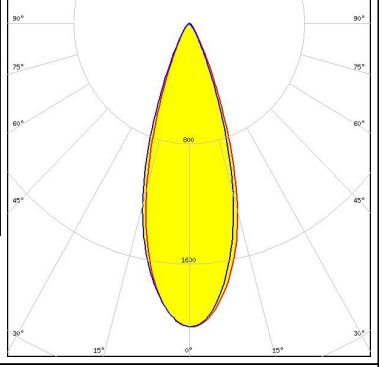
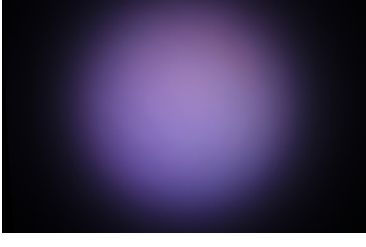
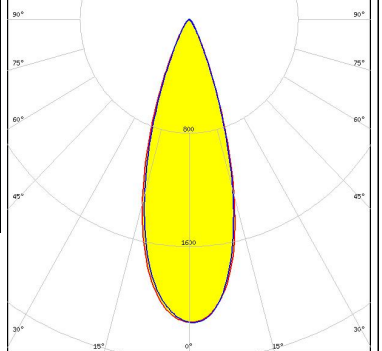


See also our general installation guide: www.ledil.com/installation_guide



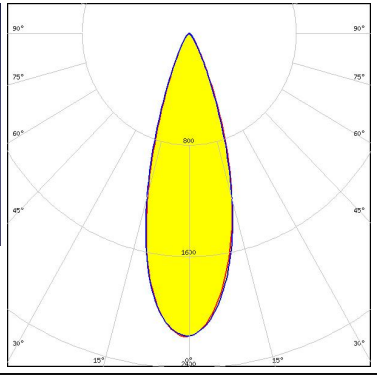

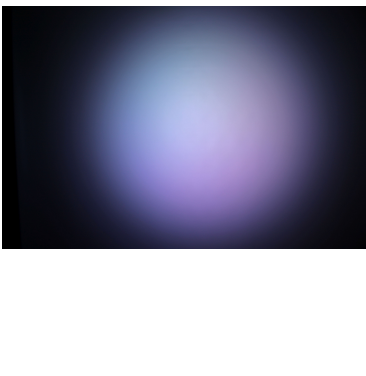
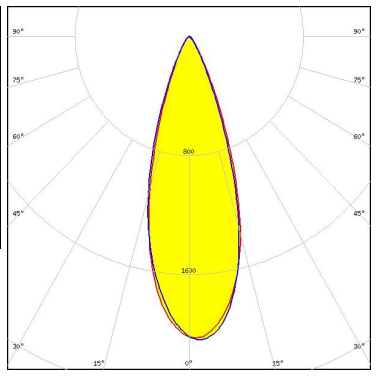


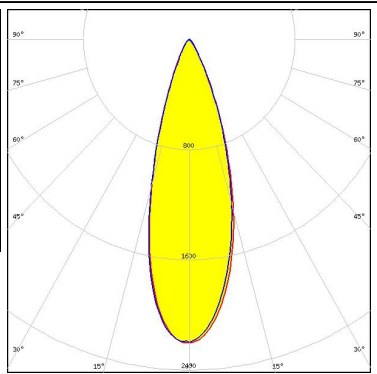
OPTICAL RESULTS (MEASURED):

| | | |
|--|--|---|
| <p>CREE LED</p> <p>LED XM-L RGBW (XMLCTW) FWHM / FWTM 37.0° / 62.0° Efficiency 79 % Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON 5052 RGBW FWHM / FWTM 32.0° / 57.0° Efficiency 79 % Peak intensity 2.2 cd/m LEDs/each optic 1 Light colour RGBW Required components:</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON CZ FWHM / FWTM 31.0° / 56.0° Efficiency 78 % Peak intensity 2.2 cd/m LEDs/each optic 4 Light colour RGBW Required components:</p> |  |  |
| <p>LUMINUS</p> <p>LED SBM-40-RGBW FWHM / FWTM 33.0° / 56.0° Efficiency 80 % Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |

OPTICAL RESULTS (MEASURED):

| | | |
|---|--|---|
| <p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 31.0° / 54.0° Efficiency 81 % Peak intensity 2.4 cd/lm LEDs/each optic 4 Light colour RGBW Required components:</p> |  |  |
| <p>NICHIA</p> <p>LED NVSW219F FWHM / FWTM 35.0° / 59.0° Efficiency 80 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON Square EC FWHM / FWTM 34.0° / 57.0° Efficiency 78 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Ostar-SMT RGB FWHM / FWTM 34.0° / 56.0° Efficiency 81 % Peak intensity 2.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |

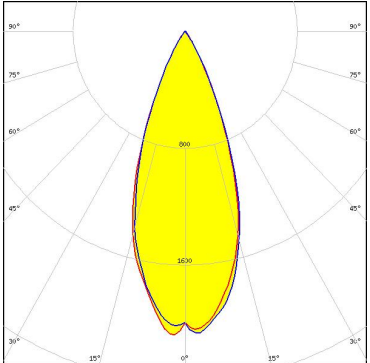
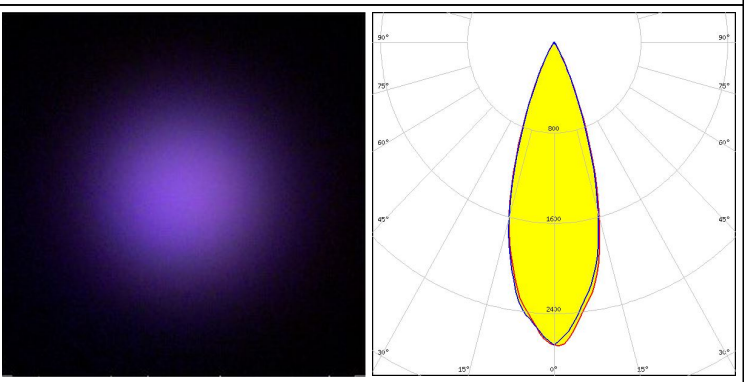
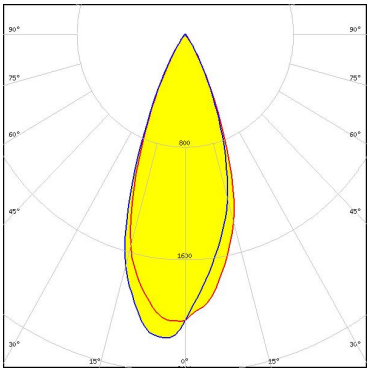
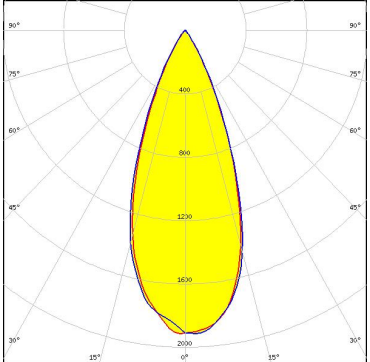
OPTICAL RESULTS (MEASURED):

| | | |
|--|--|---|
| <p> SEUL SEMICONDUCTOR</p> <p>LED SPF05F0A</p> <p>FWHM / FWTM 33.0° / 56.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p> |  |  |
| <p> SEUL SEMICONDUCTOR</p> <p>LED SPF05F0B</p> <p>FWHM / FWTM 34.0° / 58.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 2.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p> |  |  |
| <p> SEUL SEMICONDUCTOR</p> <p>LED SPF05F0C</p> <p>FWHM / FWTM 32.0° / 56.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p> |  |  |

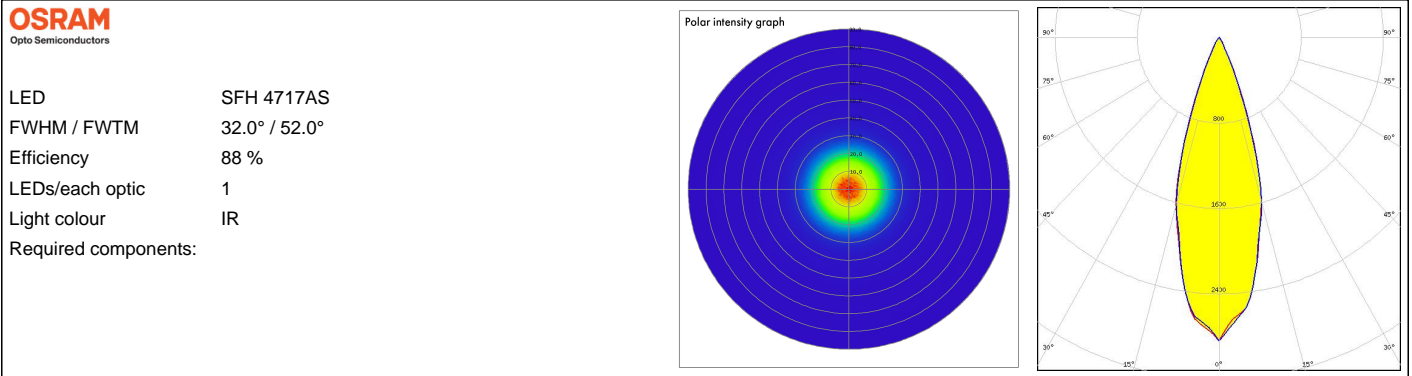
OPTICAL RESULTS (SIMULATED):

| | |
|--|--|
| <p>CREE → LED</p> <p>LED J Series 5050 Round LES</p> <p>FWHM / FWTM 33.0° / 54.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> | |
| <p>CREE → LED</p> <p>LED XHP50.2</p> <p>FWHM / FWTM 36.0° / 60.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> | |
| <p>CREE → LED</p> <p>LED XHP70.2</p> <p>FWHM / FWTM 35.0° / 62.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> | |
| <p>CREE → LED</p> <p>LED XM-L RGBW (XMLDCL HD)</p> <p>FWHM / FWTM 43.0° / 67.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p> | |

OPTICAL RESULTS (SIMULATED):

| | |
|--|---|
| <p>CREE LED</p> <p>LED XM-L RGBW (XMLDCL HI)</p> <p>FWHM / FWTM 40.0 + 39.0° / 62.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p> |  |
| <p>LED ENGIN</p> <p>LED LZ7 Plus (LZ7-04M2PD)</p> <p>FWHM / FWTM 34.0° / 54.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>LUMILEDS</p> <p>LED LUXEON Rubix</p> <p>FWHM / FWTM 39.0 + 38.0° / 62.0 + 61.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 4</p> <p>Light colour RGBW</p> <p>Required components:</p> |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED DURIS E 5050 (GW J9LHS1.4M)</p> <p>FWHM / FWTM 40.0° / 64.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p> |  |

OPTICAL RESULTS (SIMULATED):



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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LEDiL Oy

Joensuunkatu 13
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

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