

G2-LAURA-M-P

~30° medium beam. Assembly with thinner white holder, installation tape and location pins.

SPECIFICATION:

| | |
|----------------|----------------|
| Dimensions | 21.6 x 21.6 mm |
| Height | 13.1 mm |
| Fastening | tape, pin |
| ROHS compliant | yes ⓘ |

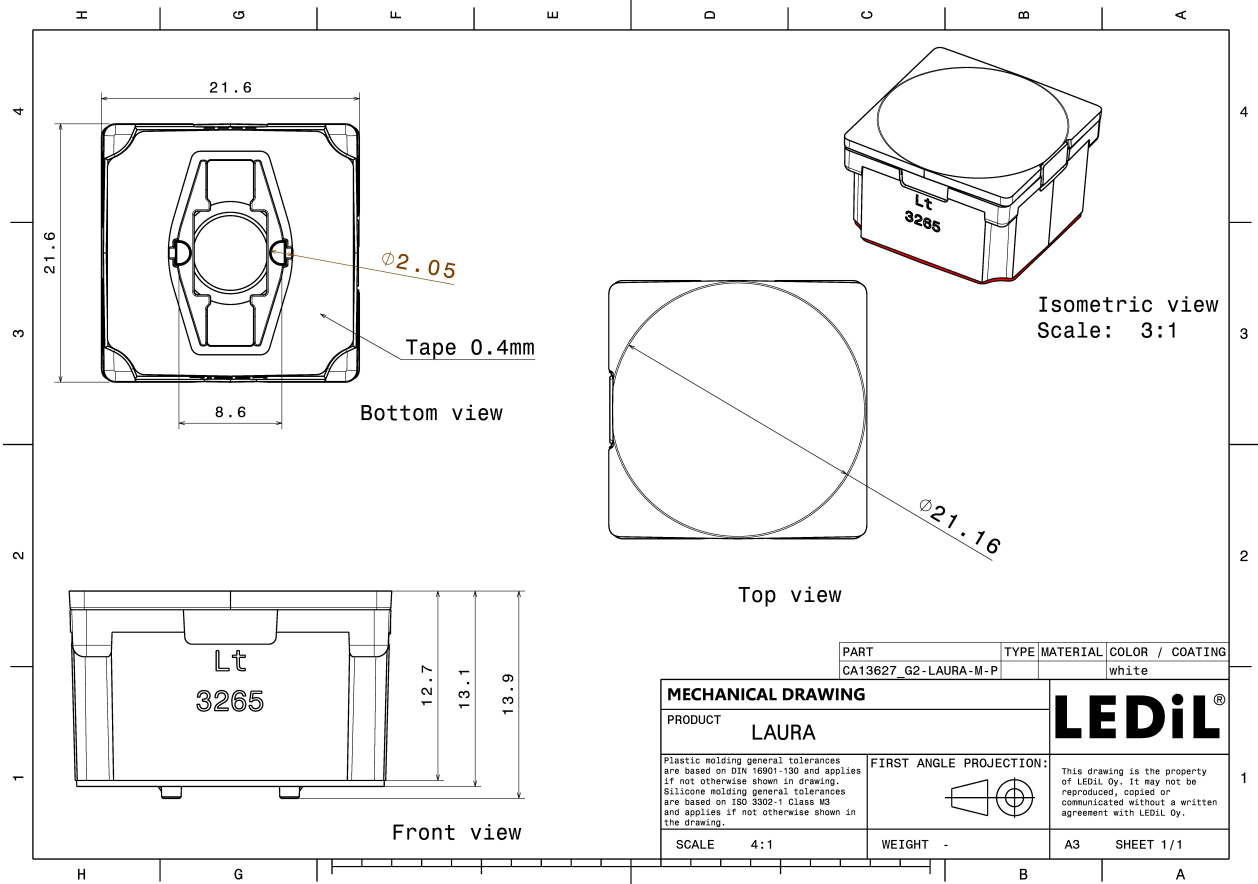
MATERIALS:

| Component | Type | Material | Colour | Finish |
|-------------------------|-------------|--------------|--------|--------|
| LAURA-M | Single lens | PMMA | clear | |
| LAURA-LT-PIN-XP-HLD-WHT | Holder | PC | white | |
| ROSE-TAPE | Tape | Acrylic foam | black | |

ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|-------------------------------------|------------|-----|-----|-----------------|
| CA13627_G2-LAURA-M-P » Box size: | | 360 | 180 | 6.2 |



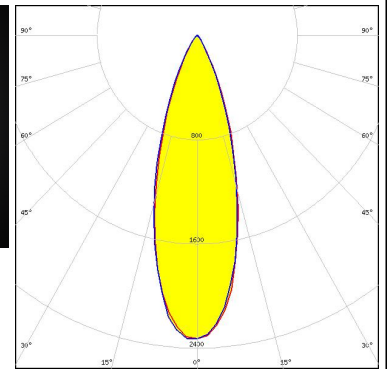
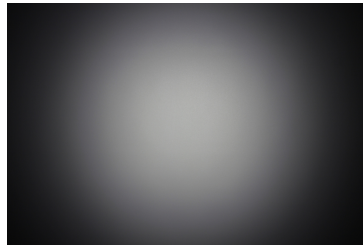


See also our general installation guide: www.ledil.com/installation_guide

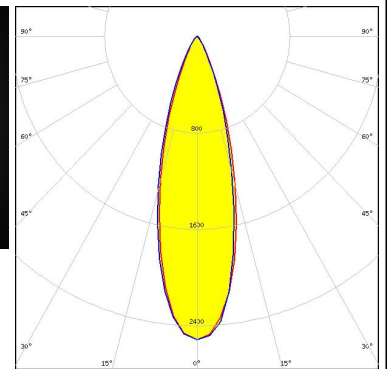
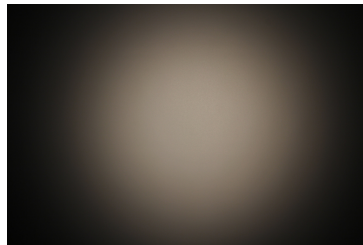
OPTICAL RESULTS (MEASURED):



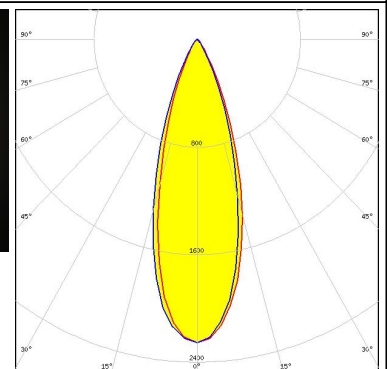
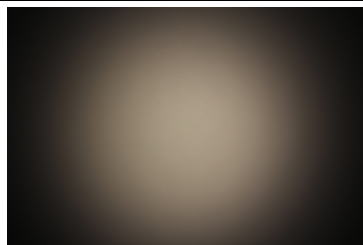
LED XB-H
 FWHM / FWTM 33.0° / 59.0°
 Efficiency 85 %
 Peak intensity 2.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-E
 FWHM / FWTM 30.0° / 53.0°
 Efficiency 92 %
 Peak intensity 2.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:


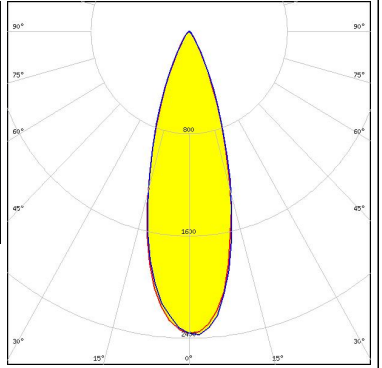
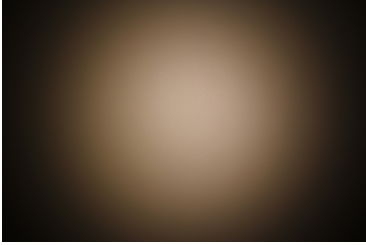
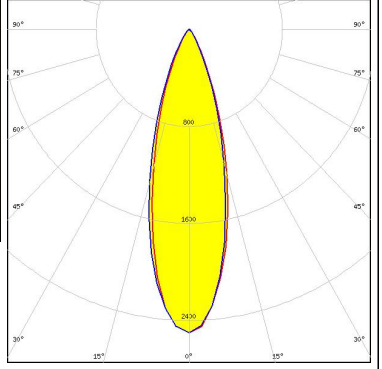
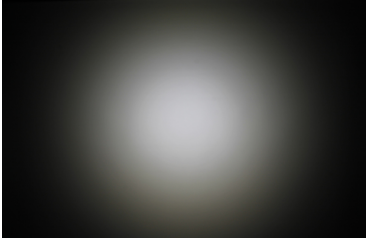
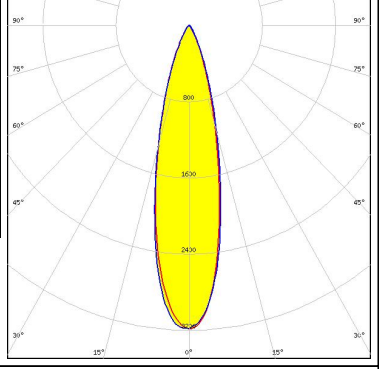
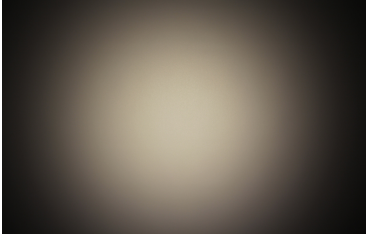
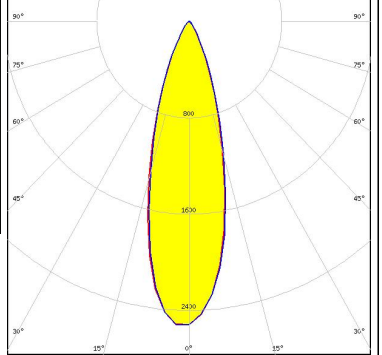


LED XP-E2
 FWHM / FWTM 31.0° / 56.0°
 Efficiency 85 %
 Peak intensity 2.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:


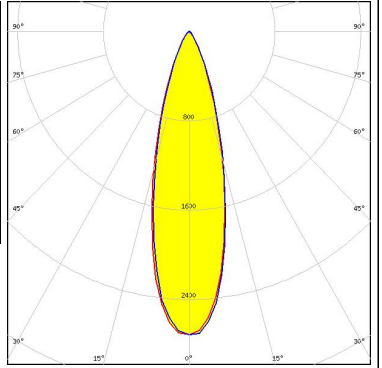
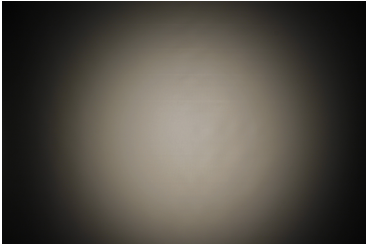
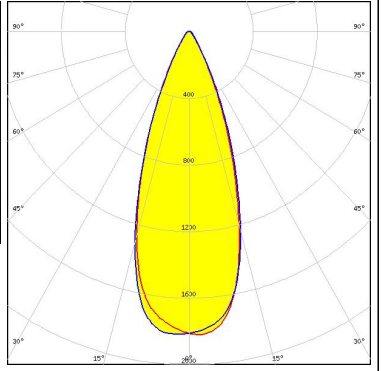
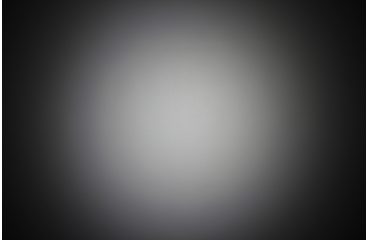
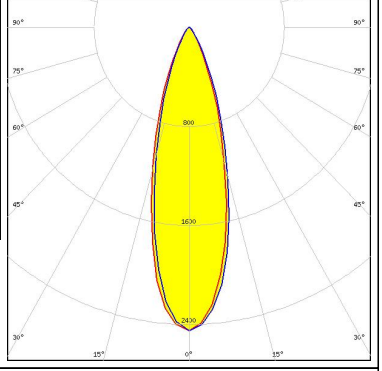
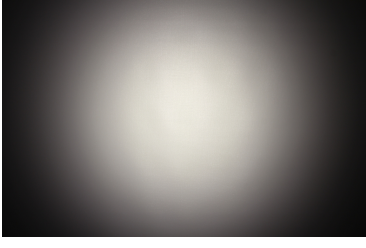



LED XP-G
 FWHM / FWTM 33.0° / 59.0°
 Efficiency 83 %
 Peak intensity 2.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

OPTICAL RESULTS (MEASURED):

| | | |
|--|--|---|
| <p>CREE LEDs</p> <p>LED XP-G2 FWHM / FWTM 33.0° / 58.0° Efficiency 85 % Peak intensity 2.4 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>CREE LEDs</p> <p>LED XT-E FWHM / FWTM 31.0° / 58.0° Efficiency 85 % Peak intensity 2.5 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON 3030 2D (Round LES) FWHM / FWTM 25.0° / 51.0° Efficiency 85 % Peak intensity 3.2 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON TX FWHM / FWTM 30.0° / 57.0° Efficiency 86 % Peak intensity 2.5 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |

OPTICAL RESULTS (MEASURED):

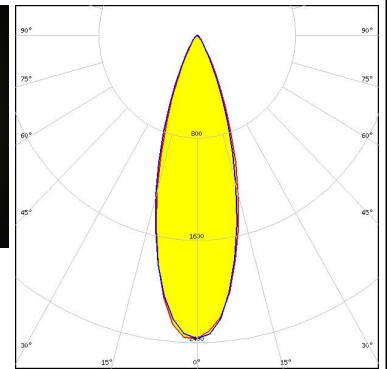
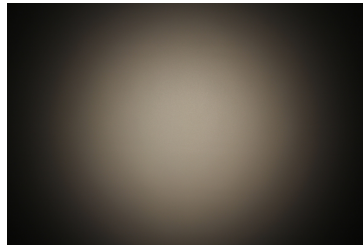
| | | |
|--|--|---|
| <p>NICHIA</p> <p>LED NCSxx19A FWHM / FWTM 29.0° / 55.0° Efficiency 86 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>NICHIA</p> <p>LED NVSW219D FWHM / FWTM 38.0° / 63.0° Efficiency 92 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>NICHIA</p> <p>LED NVSxx19A FWHM / FWTM 30.0° / 58.0° Efficiency 85 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 28.0° / 56.0° Efficiency 84 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

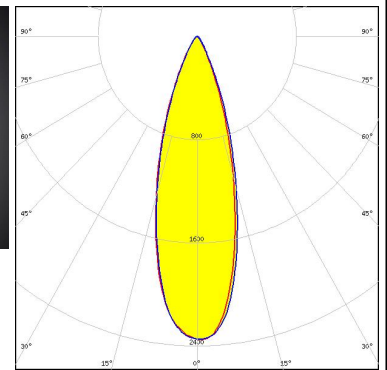
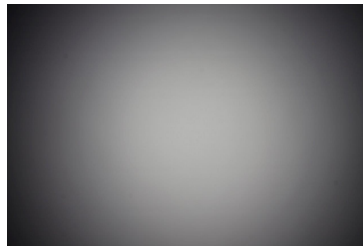
LED OSLON Square EC
 FWHM / FWTM 32.0° / 58.0°
 Efficiency 85 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

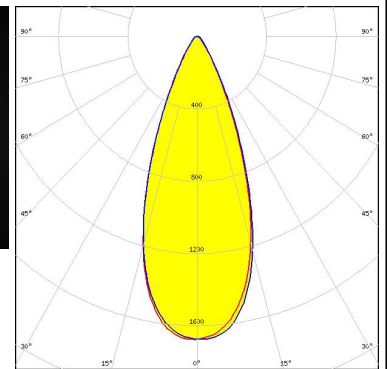
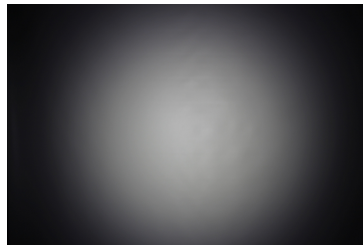
Opto Semiconductors

LED OSLON Square PC
 FWHM / FWTM 31.0° / 57.0°
 Efficiency 84 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



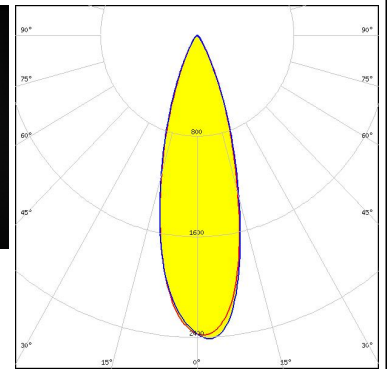
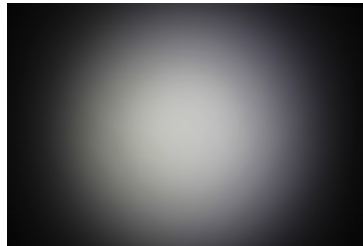
SAMSUNG

LED LH351D
 FWHM / FWTM 40.0° / 67.0°
 Efficiency 92 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

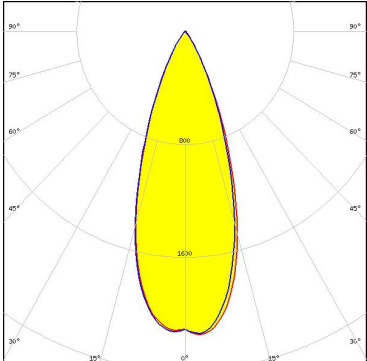
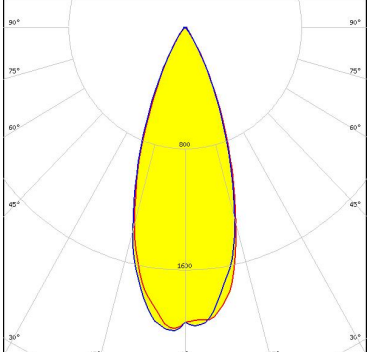
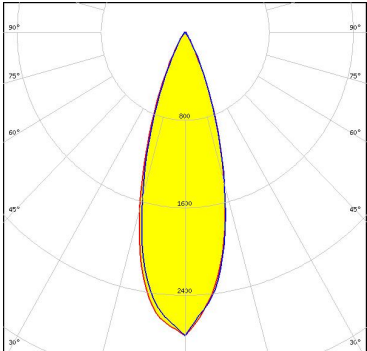
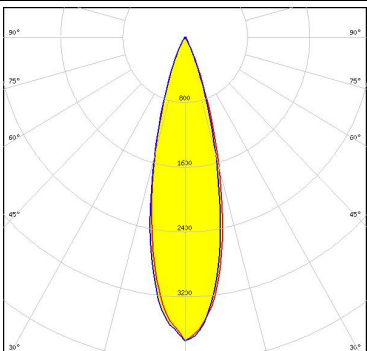
LED Z5M1/Z5M2
 FWHM / FWTM 30.0° / 56.0°
 Efficiency 84 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):



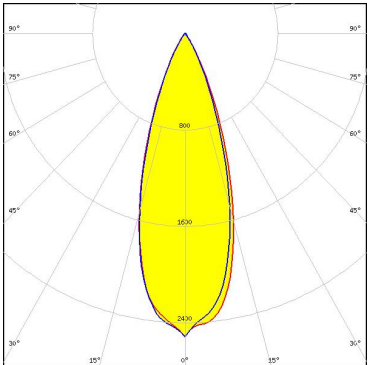
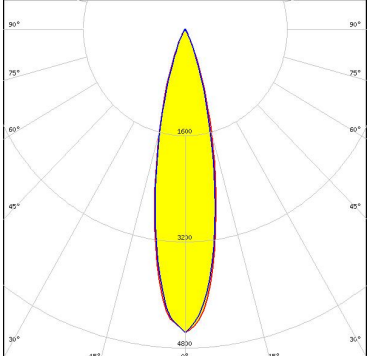
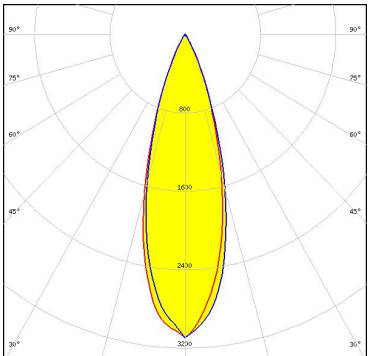
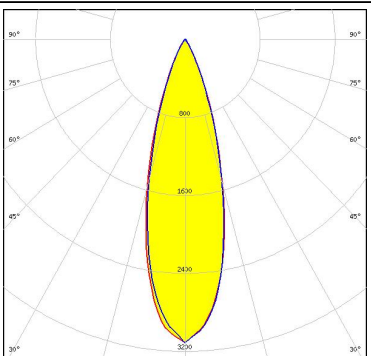
OPTICAL RESULTS (SIMULATED):

| | |
|--|---|
| <p>CREE LEDs</p> <p>LED: XHP35 HI FWHM / FWTM: 28.0° / 61.0° Efficiency: 93 % Peak intensity: 2.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>CREE LEDs</p> <p>LED: XP-L2 FWHM / FWTM: 38.0° / 63.0° Efficiency: 93 % Peak intensity: 2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>CREE LEDs</p> <p>LED: XQ-E HD FWHM / FWTM: 32.3° / 55.7° Efficiency: 94 % Peak intensity: 2.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>CREE LEDs</p> <p>LED: XQ-E HI FWHM / FWTM: 27.0° / 49.0° Efficiency: 94 % Peak intensity: 3.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |

OPTICAL RESULTS (SIMULATED):

| | | |
|--|---|--|
| OSRAM <small>Opto Semiconductors</small> | <p>LED OSLON Black</p> <p>FWHM / FWTM 22.0° / 40.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 5.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> | |
| OSRAM <small>Opto Semiconductors</small> | <p>LED OSLON Black Flat (LUW HWQP)</p> <p>FWHM / FWTM 21.0° / 42.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 5.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> | |
| OSRAM <small>Opto Semiconductors</small> | <p>LED OSLON Boost HX (KW CULPM1.TG)</p> <p>FWHM / FWTM 30.0° / 51.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 3.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> | |
| OSRAM <small>Opto Semiconductors</small> | <p>LED OSLON Signal</p> <p>FWHM / FWTM 30.0° / 51.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 3.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Red</p> <p>Required components:</p> | |

OPTICAL RESULTS (SIMULATED):

| | |
|--|---|
| <p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 34.0° / 58.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square Flat</p> <p>FWHM / FWTM 24.0° / 45.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 4.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSLOM SSL 150</p> <p>FWHM / FWTM 30.0° / 53.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 3.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSLOM SSL 80</p> <p>FWHM / FWTM 29.0° / 53.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 3.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |

OPTICAL RESULTS (SIMULATED):

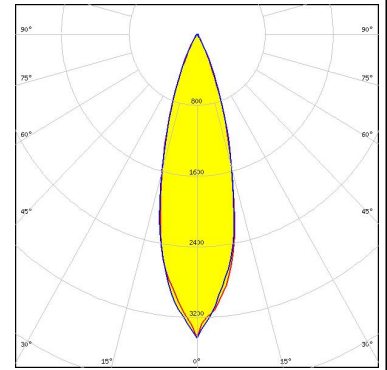
OSRAM Opto Semiconductors

LED SFH 4770S
FWHM / FWTM 27.0° / 56.0°
Efficiency 88 %
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM / FWTM 29.0° / 51.0°
Efficiency 94 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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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