

PRODUCT DATASHEET CA13634_G2-LAURA-W-P

G2-LAURA-W-P

~45° wide beam. Assembly with thinner white holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

| Component |
|-------------------------|
| LAURA-W |
| LAURA-LT-PIN-XP-HLD-WHT |
| ROSE-TAPE |

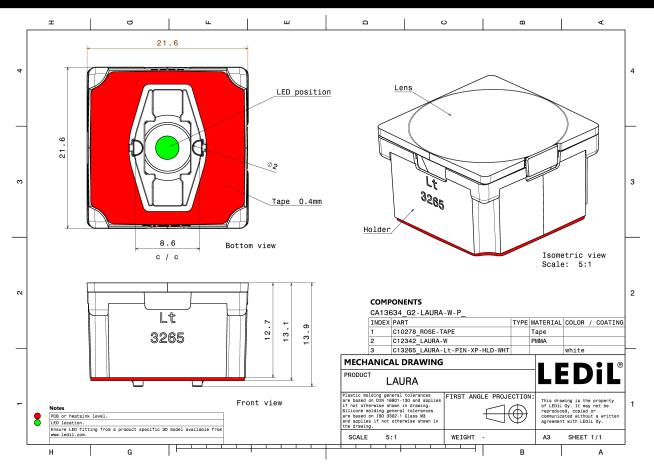
| Туре |
|-------------|
| Single lens |
| Holder |
| Tape |

| Material | Colour | Finish |
|--------------|--------|--------|
| PMMA | clear | |
| PC | white | |
| Acrylic foam | black | |

ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA13634_G2-LAURA-W-P | Single lens | 1440 | 360 | 180 | 6.1 |
| » Box size: 450 x 260 x 160 mm | | | | | |

PRODUCT DATASHEET CA13634_G2-LAURA-W-P



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



| | | 90° 90° |
|---|--|---|
| LED | XB-D | |
| FWHM / FWTM | 40.0° / 69.0° | 73* |
| Efficiency | 84 % | |
| Peak intensity | 1.6 cd/lm | BU" BU" |
| LEDs/each optic | 1 | |
| Light colour | White | a, a, |
| Required compone | nts: | |
| | | |
| | | |
| | | 30* 30* |
| | | 90° 90° |
| LED | ХВ-Н | |
| FWHM / FWTM | 47.0° / 71.0° | 75 |
| Efficiency | 86 % | 400 |
| Peak intensity | 1.3 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 45° 45° |
| Required compone | nts: | |
| | | |
| | | 1230 |
| | | 30. 21. |
| | | 90 ⁴ 90 ⁴ 90 ⁴ |
| LED | XP-E | |
| FWHM / FWTM | 45.0° / 69.0° | 73" |
| | | |
| | | - 400 |
| Efficiency | 86 % | 60 |
| | | |
| Efficiency Peak intensity | 86 % 1.5 cd/lm | er |
| Efficiency Peak intensity LEDs/each optic | 86 % 1.5 cd/m 1 White | 60 |
| Efficiency Peak intensity LEDs/each optic Light colour | 86 % 1.5 cd/m 1 White | er er er |
| Efficiency Peak intensity LEDs/each optic Light colour | 86 % 1.5 cd/m 1 White | 60 |
| Efficiency Peak intensity LEDs/each optic Light colour | 86 % 1.5 cd/m 1 White | er 100 100 100 100 100 100 100 10 |
| Efficiency Peak intensity LEDs/each optic Light colour Required componen | 86 % 1.5 cd/lm 1 White nts: | 6° 6° 6° |
| Efficiency Peak intensity LEDs/each optic Light colour Required component | 86 % 1.5 cd/lm 1 White hts: | 30, 70, 70, 70, 10, 10, 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, |
| Efficiency Peak intensity LEDs/each optic Light colour Required component | 86 % 1.5 cd/lm 1 White hts: XP-E2 | er 6 120 120 120 120 120 120 120 120 |
| Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM | 86 % 1.5 cd/lm 1 White hts: | 30, 70, 70, 70, 10, 10, 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, |
| Efficiency Peak intensity LEDs/each optic Light colour Required component CREE (LED LED FWHM / FWTM Efficiency | 86 % 1.5 cd/lm 1 White hts: XP-E2 45.0° / 69.0° | 30, 70, 70, 70, 10, 10, 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, |
| Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM | 86 % 1.5 cd/lm 1 White hts: XP-E2 45.0° / 69.0° 87 % | 30, 30, 20, 70, 20, 70, 20, 70, 60, 60, 60, 60, |
| Efficiency Peak intensity LEDs/each optic Light colour Required component EED FWHM / FWTM Efficiency Peak intensity | 86 % 1.5 cd/m 1 White hts: XP-E2 45.0° / 69.0° 87 % 1.5 cd/m | 30, 30, 20, 70, 20, 70, 20, 70, 60, 60, 60, 60, |
| Efficiency Peak intensity LEDs/each optic Light colour Required component EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 86 % 1.5 cd/m 1 White XP-E2 45.0° / 69.0° 87 % 1.5 cd/m 1 White | 9x 9x 9x 100 100 9x 100 100 |
| Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 86 % 1.5 cd/m 1 White XP-E2 45.0° / 69.0° 87 % 1.5 cd/m 1 White | 30, 30, 20, 70, 20, 70, 20, 70, 60, 60, 60, 60, |
| Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 86 % 1.5 cd/m 1 White XP-E2 45.0° / 69.0° 87 % 1.5 cd/m 1 White | |
| Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 86 % 1.5 cd/m 1 White XP-E2 45.0° / 69.0° 87 % 1.5 cd/m 1 White | |



| LED | XP-G | | |
|--|--|---|--|
| FWHM / FWTM | 46.0° / 65.0° | | |
| Efficiency | 91 % | | |
| Peak intensity | 1.6 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required compone | | | |
| | | | |
| | | | |
| | | | |
| | | | 90* |
| LED | XP-G2 | | 75 |
| FWHM / FWTM | 47.0° / 71.0° | | |
| Efficiency | 87 % | | 600 |
| Peak intensity | 1.4 cd/lm | | = |
| LEDs/each optic | 1 | | |
| Light colour | White | | 27 6 00 |
| Required compone | nts: | _ | |
| | | | |
| | | | |
| | | | 300 |
| | | | 15° 0° 15° |
| | | | |
| | | | 90 ⁴ |
| LED | XP-L HD | | 99° |
| LED FWHM / FWTM | XP-L HD 49.0° / 76.0° | | 25- |
| LED FWHM / FWTM Efficiency | XP-L HD 49.0° / 76.0° 85 % | | 50 57 |
| LED FWHM / FWTM Efficiency Peak intensity | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White | | 5° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White | | 5 ⁵ 5 ⁷ 5 ⁷ 5 ⁷ 5 ⁷ 5 ⁹ 5 ⁹ 5 ⁹ 5 ⁹ 5 ⁹ 5 ⁹ 5 ⁹ 5 ⁹ |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White | | 99° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White | | 3 ³ ³ 3 ³ 40 5 ³ 5 ³ 40 10 10 10 10 10 10 10 10 10 1 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: | | 200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm 1 | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE Compone LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE Compone LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE CLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm 1 White | | |



| | | | 50° 50° |
|--|---|---|--|
| | XT-E | | |
| | 43.0° / 69.0° | | 75 |
| | 87 % | | 400 |
| | 1.6 cd/lm | | 60°- |
| | 1 | | |
| | White | | gg4 |
| Required component | | _ | $X \to X$ |
| | | | 1220 |
| | | | |
| | | | 30° 1650 30° |
| | | | 15% 0% 15% |
| | DS | | 90* 90* |
| LED | LUXEON 3030 2D (Round LES) | | |
| FWHM / FWTM | 37.0° / 62.0° | | 40 |
| Efficiency | 86 % | | 60° 60° |
| Peak intensity | 1.9 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | 47 ⁴ 1230 47 ⁴ |
| Required component | S: | | |
| | | | 1600 |
| | | | |
| | | | 30* 2000 30* |
| | | | |
| | DS | | 90 ⁺ |
| | | | 90 ⁴ 90 ⁴ |
| LED | EDS LUXEON TX 42.0° / 67.0° | | |
| LED FWHM / FWTM | LUXEON TX | | |
| LED FWHM / FWTM Efficiency | LUXEON TX 42.0° / 67.0° 86 % | | |
| LED FWHM / FWTM Efficiency Peak intensity | LUXEON TX 42.0° / 67.0° | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm | | 20 00 00 00 00 00 00 00 00 00 00 00 00 0 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White | | 77. 600 805 800 800 800 800 800 800 800 800 8 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White | | 77. 600 805 800 800 800 800 800 800 800 800 8 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White | | 75- 100 55- 150 150 150 150 150 150 150 150 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White | | 200 - 120 201 - 120 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A | | 201 201 201 201 201 201 201 201 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° | | 201 201 201 201 201 201 201 201 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % | | 201 201 201 201 201 201 201 201 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm 1 | | 201 201 201 201 201 201 201 201 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour | LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm 1 White | | |



| ØNICHI | | 90 ⁴ 90 ⁴ |
|---|---|---------------------------------|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | NVSW219F 48.0° / 76.0° 91 % 1.2 cd/lm 1 White | |
| ØNICHI/ | | 90* 90* |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | NVSxx19A 41.0° / 67.0° 87 % 1.7 cd/lm 1 White nts: | |
| ØNICHI | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | NVSxx19B/NVSxx19C 41.0° / 68.0° 84 % 1.7 cd/lm 1 White | |
| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | OSLON Square EC 46.0° / 71.0° 87 % 1.4 cd/lm 1 White nts: | |



| SAMS | UNG | 50° 80° |
|---|--|------------------|
| LED | LH351D | |
| FWHM / FWTM | 52.0° / 81.0° | |
| Efficiency | 92 % | 807 |
| Peak intensity | 1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | ents: | |
| | | |
| | | |
| | | 3/4 20 04 337 36 |
| SEOUL | | |
| | | 90* |
| SEOUL SEMICONDUCTOR | | |
| SEOUL SEMICONDUCTOR | Z5M3 | |
| LED FWHM / FWTM | Z5M3 43.0° / 72.0° | 77 |
| LED FWHM / FWTM Efficiency | 43.0° / 72.0° 92 % | |
| LED FWHM / FWTM Efficiency Peak intensity | 43.0° / 72.0° | 75 |
| LED FWHM / FWTM Efficiency | 43.0° / 72.0° 92 % 1.4 cd/lm 1 | 77 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 43.0° / 72.0° 92 % 1.4 cd/lm 1 White | 77 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 43.0° / 72.0° 92 % 1.4 cd/lm 1 White | 64 60 60 F |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 43.0° / 72.0° 92 % 1.4 cd/lm 1 White | 64 60 60 F |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 43.0° / 72.0° 92 % 1.4 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 43.0° / 72.0° 92 % 1.4 cd/lm 1 White | |



PHOTOMETRIC DATA (SIMULATED):

| | XHP35 HI | 27 27 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20 |
|--|--|--|
| FWHM / FWTM | 45.0° / 65.0° | 400 |
| Efficiency | 93 % | 60° |
| Peak intensity | 1.7 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | gze 62° |
| Required components: | | 1200 |
| | | |
| | | 1500 |
| | | 34° 35° 35° |
| | | 90* 90* |
| LED | XP-G3 | |
| FWHM / FWTM | 50.0° / 68.0° | 73* |
| Efficiency | 93 % | 400 60 ⁴ |
| Peak intensity | 1.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 45° 45° |
| Required components: | | |
| | | |
| | | - 1200 |
| | | 30° |
| | | 15 0° 15° |
| | | |
| | | 90° |
| | XQ-E HI | 50 ⁴ 50 ⁴ |
| | XQ-E HI 46.0° / 54.0° | 50° 50° 37° 50° |
| LED | | 97 97 97 97 97 97 |
| LED FWHM / FWTM | 46.0° / 54.0° | 60 60 22 24 26 26 26 26 |
| LED FWHM / FWTM Efficiency | 46.0° / 54.0° 95 % | 99 ⁵ 99 ⁷ 99 90 90 90 90 90 |
| LED FWHM / FWTM Efficiency Peak intensity | 46.0° / 54.0° 95 % 2.1 cd/lm | gr |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 46.0° / 54.0° 95 % 2.1 cd/lm 1 | 9 ¹⁰ 9 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 46.0° / 54.0° 95 % 2.1 cd/lm 1 | 500 500 500 500 500 500 500 500 500 500 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 46.0° / 54.0° 95 % 2.1 cd/lm 1 | 6. 6. 61 700 700 721 721 721 721 721 721 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 46.0° / 54.0° 95 % 2.1 cd/lm 1 | 50° 60° 60° 60° 60° 60° 60° 60° 60° 60° 6 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 46.0° / 54.0° 95 % 2.1 cd/lm 1 | P ¹ P ¹ |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 46.0° / 54.0° 95 % 2.1 cd/lm 1 White | by: by: by: by: by: by: |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED | 46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black | 55° 5° 5° 50° 5° 50° 5° 50° 5° 50° 5° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM | 46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° | by: by: 22. 0.0 23. 0.0 24. 0.0 25. 0.0 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency | 46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % | by: by: 22. 0.0 23. 0.0 24. 0.0 25. 0.0 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity | 46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° | by: by: 22. 0.0 23. 0.0 24. 0.0 25. 0.0 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % 2.3 cd/lm 1 | by: by: 22. 0.0 23. 0.0 24. 0.0 25. 0.0 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % 2.3 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % 2.3 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % 2.3 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % 2.3 cd/lm 1 | |



PHOTOMETRIC DATA (SIMULATED):

| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | OSLON Black Flat 34.0° / 54.0° 94 % 2.9 cd/lm 1 White | |
|---|---|--|
| OSRAM Opto Semiconductors | | 15 25 137 |
| Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | OSLON Square Flat 41.0° / 59.0° 94 % 2.2 cd/lm 1 White | 34 99 99 99 99 99 99 99 99 99 99 99 99 99 |
| OSRAM | | 32 <u>0</u> 0 <u>1</u> 22 |
| opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: | SFH 4770S 27.0° / 50.0° 93 % 1 White | |
| SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | Z8Y22P 40.0° / 62.0° 98 % 2.2 cd/lm 1 White | 34 15.9 15 |



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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LEDiL Oy

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