

STRADA-2X2-5050-T2-C2

IESNA Type II (medium) beam with added house side backlight. Designed for tilted and long armatures. Variant optimized for flat 5050 size LED packages.

TECHNICAL SPECIFICATIONS:

Dimensions Height ROHS compliant 50.0 x 50.0 mm 7.4 mm yes 1



Finish

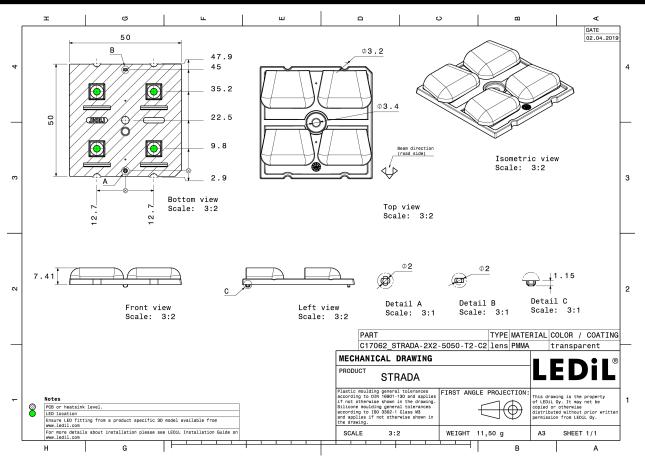
MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourSTRADA-2X2-5050-T2-C2Multi-lensPMMAclear

ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| C17062_STRADA-2X2-5050-T2-C2 | 800 | 160 | 160 | 10.0 |
| » Box size: 480 x 280 x 300 mm | | | | |





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



PHOTOMETRIC DATA (MEASURED):

| 🥙 LUMIL | EDS | 90* |
|---|---|--|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-5050 SQR (L213-xxxx016MRH001) Asymmetric 96 % 0.9 cd/lm 1 White ents: | 30, 15, 6, 70, 30, 91, 150 60, 60, 150 10, 10, 150 10, 10, 150 10, 10, 150 10, 10, 150 10, 10, 150 10, 10, 150 10, 10, 150 10, 10, 150 10, 10, <td< th=""></td<> |
| MST Your solu | utions | 90° |
| LED | RecLED 173x50mm 2900lm 740 2x6 5050 Opt G1 | |
| | | |
| FWHM / FWTM | Asymmetric | |
| Efficiency | 96 % | |
| Efficiency Peak intensity | 96 % 0.9 cd/lm | 7° |
| Efficiency Peak intensity LEDs/each optic | 96 % 0.9 cd/lm 1 | 24 |
| Efficiency Peak intensity | 96 % 0.9 cd/lm 1 White | |



| CREE ≑ | | |
|---|--|---|
| LED | J Series 5050 Round LES | 90* 90* |
| FWHM / FWTM | 153.0 + 77.0° / 162.0 + 123.0° | 75° 75' |
| Efficiency | 83 % | |
| Peak intensity | 0.5 cd/lm | 60* 60* |
| LEDs/each optic | 1 | |
| Light colour | White | 45* |
| Required components: | White | |
| rtoquiroù compononio. | | |
| Protective plate | e, glass | |
| | | 800 |
| | | 130* 15 ⁵ 0 ⁶ 15 ⁺ 30 ⁴ |
| CREE ≑ | | 90 ⁺ |
| LED | J Series 5050 Round LES | |
| FWHM / FWTM | Asymmetric | 750 200 750 |
| Efficiency | 96 % | |
| Peak intensity | 0.8 cd/lm | 60 ⁴ 60 ⁴ |
| LEDs/each optic | 1 | 500 |
| Light colour | White | |
| Required components: | | |
| - 1 1 | | |
| | | 1000 |
| | | 1270 |
| | | 130° 15 ³ 0° 15 ⁴ |
| ODEE A | | |
| UKEE = | | 91° TT TT 191° |
| | J Series 5050 Round LES | 50* 54* |
| LED | J Series 5050 Round LES 154.0 + 77.0° / 166.0 + 125.0° | 90 [*] |
| LED FWHM / FWTM | 154.0 + 77.0° / 166.0 + 125.0° | 30 ³ 0 ³ |
| LED FWHM / FWTM Efficiency | 154.0 + 77.0° / 166.0 + 125.0° 93 % | 90° (10) (10) (10) (10) (10) (10) (10) (10) |
| LED FWHM / FWTM Efficiency Peak intensity | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm | 20° 00° 00° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm | -0°- -0°- -0°- -0°- -0°- -0°- -0°- -0°- |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 | 60 60 10 10 10 10 10 10 10 10 10 1 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 | 2° 60 67 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 | 20° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 White XP-G2 Asymmetric | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 White XP-G2 Asymmetric 90 % | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREEE LED FWHM / FWTM Efficiency Peak intensity | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 White XP-G2 Asymmetric 90 % 1 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 White XP-G2 Asymmetric 90 % 1 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 White XP-G2 Asymmetric 90 % 1 cd/lm | 90 109 109 109 109 109 109 109 1 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 White XP-G2 Asymmetric 90 % 1 cd/lm 1 | 90 109 109 109 109 109 109 109 1 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 White XP-G2 Asymmetric 90 % 1 cd/lm 1 | 90 109 109 109 109 109 109 109 1 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 154.0 + 77.0° / 166.0 + 125.0° 93 % 0.8 cd/lm 1 White XP-G2 Asymmetric 90 % 1 cd/lm 1 | 90 109 109 109 109 109 109 109 1 |



| CREE ≑ | | |
|---|--|--|
| | XP-G2 HE | 90* 90* |
| LED FWHM / FWTM | | 75° |
| Efficiency | Asymmetric 89 % | |
| Peak intensity | 0.8 cd/lm | .63* 400 60*. |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | WING | |
| | | |
| | | |
| | | 1200 |
| | | 30° 15° 30° |
| CREE ≑ | | 81 ⁺ |
| LED | XP-G3 | |
| FWHM / FWTM | Asymmetric | 736 776 |
| Efficiency | 82 % | |
| Peak intensity | 0.6 cd/lm | 60* 60*. |
| LEDs/each optic | 1 | 460 |
| Light colour | White | 45* 5* |
| Required components: | | 660 |
| | | |
| Protective plate | , glass | 000 |
| | | |
| | | 30° 135 ⁵ 1000 15° 30° |
| | | |
| CREE 🔶 | | 90° 90° |
| | XP-G3 | 50° |
| | XP-G3 Asymmetric | 94* |
| LED | XP-G3 Asymmetric 84 % | 90* 99* 300 500 70° 500 50° |
| LED FWHM / FWTM | Asymmetric | 60° |
| LED FWHM / FWTM Efficiency | Asymmetric 84 % | 90° 90° 30° 400 50° 60° 60° |
| LED FWHM / FWTM Efficiency Peak intensity | Asymmetric 84 % 1.1 cd/lm | 90° 90° 90° 20° 60° 60° 60° 60° 60° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | Asymmetric 84 % 1.1 cd/lm 1 | 60 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Asymmetric 84 % 1.1 cd/lm 1 | 60 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Asymmetric 84 % 1.1 cd/lm 1 | 60 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Asymmetric 84 % 1.1 cd/lm 1 | 60 67 1200 1200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | Asymmetric 84 % 1.1 cd/lm 1 White | 60 67 1000 1200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Asymmetric 84 % 1.1 cd/lm 1 White | 60 67 1200 1200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | Asymmetric 84 % 1.1 cd/lm 1 White S LUXEON 5050 Round LES | 60 67 1200 1200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | Asymmetric 84 % 1.1 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric | 6° 00 0° 0° 100 10° 0° 100 10° 0° 100 10° 0° 100 10° 0° 10° 0° 10° 10° 0° 10° 0° 10° 0° 10° 10° 0° 10° 10° 0° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COMPARENT LED FWHM / FWTM Efficiency | Asymmetric 84 % 1.1 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 74 % | 6° 00 0° 0° 100 10° 0° 100 10° 0° 100 10° 0° 100 10° 0° 10° 0° 10° 10° 0° 10° 0° 10° 0° 10° 10° 0° 10° 10° 0° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CONTINUED LED FWHM / FWTM Efficiency Peak intensity | Asymmetric 84 % 1.1 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 74 % 0.5 cd/lm | 9° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | Asymmetric 84 % 1.1 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 74 % 0.5 cd/lm 1 | 90 90 90 100 100 100 100 100 100 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | Asymmetric 84 % 1.1 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 74 % 0.5 cd/lm | 90 90 90 100 100 100 100 100 100 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | Asymmetric 84 % 1.1 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 74 % 0.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / EVTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | Asymmetric 84 % 1.1 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 74 % 0.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | Asymmetric 84 % 1.1 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 74 % 0.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / EVTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | Asymmetric 84 % 1.1 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 74 % 0.5 cd/lm 1 White | |



| | S S | 90* |
|--|---|--|
| LED | LUXEON 5050 Square LES | |
| FWHM / FWTM | Asymmetric | 200 |
| Efficiency | 91 % | |
| Peak intensity | 0.6 cd/lm | 400 |
| LEDs/each optic | 1 | \times \times \wedge \times \wedge |
| Light colour | White | 45* 600 |
| Required components: | | |
| | | |
| | | 1000 |
| | | 30* |
| | S | |
| LED | LUXEON 5050 Square LES | 90* |
| FWHM / FWTM | Asymmetric | 750 100 |
| Efficiency | 78 % | 200 |
| Peak intensity | 0.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 400 |
| Required components: | | |
| | | 600 |
| Protective plate | e, glass | |
| | | 30* 115 48 15* |
| Μ ΝΙCΗΙΛ | | 301 |
| LED | NVSxE21A | |
| FWHM / FWTM | Asymmetric | 756 200 |
| Efficiency | 91 % | |
| LINGICIUS | 31 78 | |
| Peak intensity | 0.6 cd/lm | 50* 400 |
| | | 60 ⁵ 60 |
| Peak intensity | 0.6 cd/lm | er er |
| Peak intensity LEDs/each optic | 0.6 cd/lm 4 | 6° 60 |
| Peak intensity LEDs/each optic Light colour | 0.6 cd/lm 4 | 6° 69 69 |
| Peak intensity LEDs/each optic Light colour | 0.6 cd/lm 4 | 50° 400 40° 40° 40° 40° 40° 40° 40° 40° 40° |
| Peak intensity LEDs/each optic Light colour | 0.6 cd/lm 4 | 89 |
| Peak intensity LEDs/each optic Light colour Required components: | 0.6 cd/lm 4 | 00 |
| Peak intensity LEDs/each optic Light colour Required components: | 0.6 cd/lm 4 White | 89 |
| Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED | 0.6 cd/m 4 White | 89 |
| Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM | 0.6 cd/m 4 White Duris S8 Asymmetric | 89 |
| Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency | 0.6 cd/m 4 White Duris S8 Asymmetric 92 % | 89 |
| Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity | 0.6 cd/lm 4 White Duris S8 Asymmetric 92 % 0.6 cd/lm | 90 10 10 10 10 10 10 10 10 10 1 |
| Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 0.6 cd/lm 4 White Duris S8 Asymmetric 92 % 0.6 cd/lm 1 | |
| Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 0.6 cd/lm 4 White Duris S8 Asymmetric 92 % 0.6 cd/lm | 90 10 10 10 10 10 10 10 10 10 1 |
| Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 0.6 cd/lm 4 White Duris S8 Asymmetric 92 % 0.6 cd/lm 1 | |
| Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 0.6 cd/lm 4 White Duris S8 Asymmetric 92 % 0.6 cd/lm 1 | |
| Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 0.6 cd/lm 4 White Duris S8 Asymmetric 92 % 0.6 cd/lm 1 | |



| OSRAM Opto Semiconductors | | 90* |
|--|--|---|
| LED | OSCONIQ S 5050 | |
| FWHM / FWTM | Asymmetric | 750 700 7 |
| Efficiency | 79 % | 200 |
| Peak intensity | 0.4 cd/lm | 60 ⁺ 6 |
| LEDs/each optic | 1 | |
| Light colour | White | 457 460 |
| Required components: | | 500 |
| Deste stive als | | 50 |
| Protective pla | ile, glass | 710 |
| | | 30° 15° 80 15° 3 |
| OSRAM Opto Semiconductors | | 99* |
| LED | OSCONIQ S 5050 | |
| FWHM / FWTM | Asymmetric | 756 200 7 |
| Efficiency | 93 % | |
| Peak intensity | 0.7 cd/lm | 60 ⁴ 60 |
| LEDs/each optic | 1 | |
| Light colour | White | 45* |
| Required components | | 200 |
| | | |
| | | 1000 |
| | | |
| | | 13 ⁵ 13 ⁵ 13 ⁵ 3 |
| SAMSU | NG | 90* 9 |
| LED | LH351C | |
| FWHM / FWTM | Asymmetric | |
| Efficiency | 74 % | |
| Peak intensity | 0.5 cd/lm | |
| LEDs/each optic | | |
| | 1 | |
| Light colour | White | 57 40 0 |
| Light colour Required components: | White | 67. 400 |
| Required components: | White | |
| | White | |
| Required components: | White | 5° 400 0 000 000 000 000 000 000 000 000 0 |
| Required components: Protective pla | White te, glass | 500 600 001 |
| Required components: Protective pla SAMSU | White te, glass | 200 200 200 200 200 200 200 200 200 200 |
| Required components: Protective pla SAMSUI LED | White te, glass | 500 600 001 |
| Required components: Protective pla SAMSU LED FWHM / FWTM | White te, glass | 200 200 200 200 200 200 200 200 200 200 |
| Required components: Protective pla SAMSU LED FWHM / FWTM Efficiency | White te, glass NG LH502C Asymmetric 75 % | 200 200 200 200 200 200 200 200 200 200 |
| Required components: Protective pla SAMSUI LED FWHM / FWTM Efficiency Peak intensity | White te, glass NG LH502C Asymmetric | 90 90 90 90 90 90 90 90 90 90 90 90 90 9 |
| Required components: Protective pla SAMSUI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | White te, glass NG LH502C Asymmetric 75 % 0.5 cd/lm | 90 90 90 90 90 90 90 90 90 90 90 90 90 9 |
| Required components: Protective pla SAMSU LED FWHM / FWTM Efficiency Peak intensity | White te, glass NG LH502C Asymmetric 75 % 0.5 cd/lm 1 White | 500 600 6 |
| Required components: Protective plate SAMSULED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | White te, glass N C LH502C Asymmetric 75 % 0.5 cd/lm 1 White | 500 600 6 |
| Required components: Protective pla SAMSULED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | White te, glass N C LH502C Asymmetric 75 % 0.5 cd/lm 1 White | 500 600 6 |



| r | | |
|--|---|--|
| SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | MJT 5050 Asymmetric 86 % 0.7 cd/lm 1 White | 51, 12, 6, 13, 21, 51, 6, 13, 21, 61, 60, 61, 61, 60, 61, 1030, 61, 1030 |
| seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate | SEOUL DC 5050 6V Asymmetric 80 % 0.4 cd/lm 1 White | 51, 53, 66, 13, 21, 51, 50, 50, 50, 50, 50, 50, 50, 50, 50, 50 |
| SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | SEOUL DC 5050 6V Asymmetric 90 % 0.6 cd/lm 1 White | |



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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