

PRODUCT DATASHEET C12482_MIRELLA-50-W-PIN

MIRELLA-50-W-PIN

~40° wide beam

SPECIFICATION:

| Dimensions | Ø 49.9 mm |
|----------------|-----------|
| Height | 23.9 mm |
| Fastening | pin |
| ROHS compliant | yes 🛈 |



MATERIALS:

| Component | |
|------------------|--|
| MIRELLA-50-W-PIN | |

Type Reflector Material PC

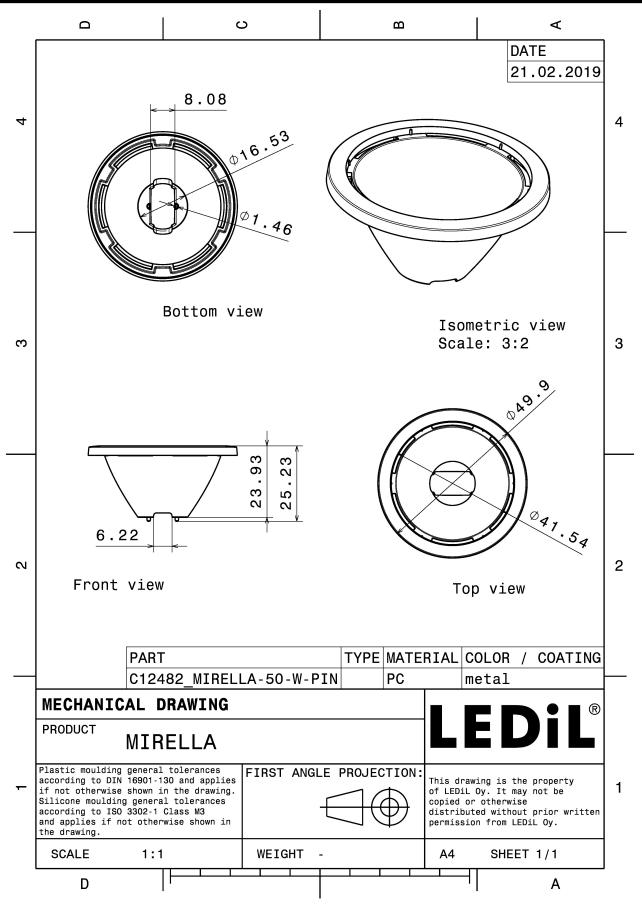
| Colour | Finish | Coating |
|--------|--------|---------|
| metal | | lacquer |

ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| C12482_MIRELLA-50-W-PIN | 336 | 112 | 28 | 2.7 |
| » Box size: 480 x 280 x 300 mm | | | | |



PRODUCT DATASHEET C12482_MIRELLA-50-W-PIN



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



| bridgelux. | | | 90* |
|--------------------|---------------------|---|--|
| LED | SM4 | | |
| FWHM / FWTM | 44.0° / 78.0° | | |
| Efficiency | 78 % | | 400 |
| Peak intensity | 1.2 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | et i i i i i i i i i i i i i i i i i i i |
| Required compone | ents: | | |
| C13333_MIREL | LA-CL | | |
| | | | |
| | | | 30* |
| bridgelux. | | | 90* 90 |
| LED | SM4 | | |
| EED FWHM / FWTM | 49.0° / 82.0° | | 73* |
| Efficiency | 49.0 7 82.0 77 % | | |
| Peak intensity | 1.1 cd/lm | | 60× 400 60 |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required compone | | | |
| C12479_MIREL | | | |
| 012473_0000 | | | |
| | | | |
| | | | 30° 30 30 |
| | | | |
| LED | MHB-A/B | | |
| FWHM / FWTM | 49.0° / 82.0° | | |
| Efficiency | 82 % | | |
| Peak intensity | 1.2 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required compone | | | |
| C13333_MIREL | LA-CL | | |
| | | | |
| CREE ≑ | | | |
| LEDS | | | |
| LED | MHB-A/B | and the second se | |
| FWHM / FWTM | 45.0° / 88.0° | | |
| Efficiency | 87 % | | |
| Peak intensity | 1.4 cd/lm | and the second se | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required compone | ents: | | |
| | | | |
| | | | |
| | | | |
| | | | |



| LED | MHB-A/B | | |
|------------------|---------------|---|--------------------------|
| FWHM / FWTM | 51.0° / 84.0° | | |
| Efficiency | 82 % | | |
| Peak intensity | 1.2 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required compone | | | |
| C12479_MIREL | | | |
| | | | |
| | | | |
| | | | 80 ⁴ |
| LED | XHP50 | | |
| FWHM / FWTM | 51.0° / 88.0° | | 75. 200 75. |
| Efficiency | 81 % | | |
| Peak intensity | 1 cd/lm | | 60° 60° |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required compone | | | |
| C13723_MIREL | | | |
| | | | |
| | | | |
| | | | 30° 30° 30° 30° 1000 30° |
| | | | 90* 90* |
| LED | XHP50 | | |
| FWHM / FWTM | 48.0° / 80.0° | and the second se | 73* |
| Efficiency | 83 % | | |
| Peak intensity | 1.1 cd/lm | | 60° - 400 - 60° |
| LEDs/each optic | 1 | | |
| Light colour | White | | g* |
| Required compone | | | |
| C13333_MIREL | | | |
| _ | | | |
| | | | 30% 1200 36* |
| CREE ≑ | | | 125° 0 ⁶ 12° |
| LEDS | | | 90* 90* |
| LED | XHP50 | | 73. |
| FWHM / FWTM | 44.0° / 86.0° | | |
| Efficiency | 89 % | | 400 × 60* |
| Peak intensity | 1.3 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | 43° |
| Required compone | ents: | | |
| | | | |
| | | | 1230 |
| | | | 304 |
| | | | |



| | | | 900 |
|---|--|---|---|
| LED | XHP50 | and the second se | |
| FWHM / FWTM | 51.0° / 83.0° | | 75* |
| Efficiency | 84 % | | |
| Peak intensity | 1.1 cd/lm | | 60.0 |
| LEDs/each optic | 1 | | $\square \land \land$ |
| Light colour | White | and the second se | |
| Required compone | | | |
| C12479_MIREL | | | |
| | | | |
| | | | |
| | | | 30° 15° 0° 15° |
| | | | |
| LED | XM-L | | |
| FWHM / FWTM | 45.0° / 79.0° | | 73 |
| Efficiency | 86 % | | 400 |
| Peak intensity | 1.4 cd/lm | | 601- |
| LEDs/each optic | 1 | | |
| Light colour | White | | 924 800 |
| Required compone | | | |
| C13333_MIREL | | | |
| | | | 1230 |
| | | | |
| | | | 15° 0° 15° |
| | | | |
| | | | 90* |
| CREE ÷ LEDs | XM-L | | <u>50*</u> |
| LEDS | XM-L 46.0° / 86.0° | | 30. |
| LED FWHM / FWTM | | | 50* |
| LED LED FWHM / FWTM Efficiency | 46.0° / 86.0° 80 % | | 99* 79: 60* |
| LEDs LED FWHM / FWTM Efficiency Peak intensity | 46.0° / 86.0° | | 59* 75 60* 400 |
| LED LED FWHM / FWTM Efficiency | 46.0° / 86.0° 80 % 1 cd/lm | | 90* 75 60 94 94 |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 46.0° / 86.0° 80 % 1 cd/lm 1 White | | 50° |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: | | 99* 75 9* 9* 90 |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: | | 90* 725 60* 400 800 |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: | | 59* 795 60* 400 809 30* |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: | | 50° 50° 50° 50° 50° 50° 50° 50° |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: | | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: LA-DL XM-L | | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: LA-DL XM-L 32.0° / 80.0° | | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: LA-DL XM-L 32.0° / 80.0° 88 % | | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: LA-DL XM-L 32.0° / 80.0° | | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL C12479_MIREL C12479_MIREL EDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: LA-DL XM-L 32.0° / 80.0° 88 % 1.6 cd/lm 1 | | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: LA-DL XM-L 32.0° / 80.0° 88 % 1.6 cd/lm 1 White | | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL C12479_MIREL C12479_MIREL EDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: LA-DL XM-L 32.0° / 80.0° 88 % 1.6 cd/lm 1 White | | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: LA-DL XM-L 32.0° / 80.0° 88 % 1.6 cd/lm 1 White | | 797 601 601 601 |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: LA-DL XM-L 32.0° / 80.0° 88 % 1.6 cd/lm 1 White | | 797 601 601 601 |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL CT2479_MIREL CT2479_MIREL EDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 46.0° / 86.0° 80 % 1 cd/lm 1 White ents: LA-DL XM-L 32.0° / 80.0° 88 % 1.6 cd/lm 1 White | | 797 601 601 601 |



| | | 50° |
|---------------------------------|--------------------|--|
| LED | XM-L RGBW (XMLCTW) | |
| FWHM / FWTM | 50.0° / 87.0° | 75' |
| Efficiency | 81 % | |
| Peak intensity | 1 cd/lm | 60 ⁺ |
| LEDs/each optic | 1 | |
| Light colour | White | er er |
| Required compone | | |
| C13723_MIREL | | 80 |
| | | |
| | | |
| | | 130 ⁴ 157 0 ⁶ 157 30 ⁴ |
| CREE ≑ | | 90 ⁴ 99 ⁴ |
| LED | XM-L2 | |
| FWHM / FWTM | 49.0° / 83.0° | B |
| | 81 % | |
| Efficiency Peak intensity | 01 % 1.1 cd/lm | 60° / ~~~ 400 ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~ |
| | | |
| LEDs/each optic Light colour | 1 White | |
| Required compone | | |
| C12479_MIREL | | |
| G12479_WIREL | | |
| | | |
| | | 36 ⁶ 1200 30 ⁶ 15 ⁵ 0 ⁶ 25 ⁵ |
| | | 90 ⁴ 90 ⁴ |
| LED | XM-L2 | |
| FWHM / FWTM | 39.0° / 83.0° | 75 |
| Efficiency | 89 % | 400 |
| Peak intensity | 1.5 cd/lm | en en |
| LEDs/each optic | 1 | |
| Light colour | ' White | et |
| Required compone | | |
| | | 1220 |
| | | |
| | | |
| | | 30 ¹⁴ 30 ¹⁴ 30 ¹⁴ |
| CREE ≑ | | 99 ⁴ 99 ⁴ |
| LED | XP-G | |
| FWHM / FWTM | 34.0° / 78.0° | 75 |
| Efficiency | 86 % | |
| Peak intensity | 1.7 cd/lm | |
| LEDs/each optic | 1.7 cd/im 1 | |
| Light colour | l White | or or |
| Required compone | | |
| | | |
| | | |
| | | 400 |
| | | 30° 15° 0° 15° |
| | | |



| CREE ≑ | | |
|------------------|---------------|--|
| LEDS | | 90° 90° |
| LED | XP-G | |
| FWHM / FWTM | 41.0° / 79.0° | |
| Efficiency | 81 % | 60 ⁴ 60 ⁴ |
| Peak intensity | 1.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 9 ⁴ |
| Required compone | | |
| C13333_MIREL | LA-CL | |
| | | |
| | | 30 ⁴ 20 ⁷ 4 ³ |
| | | 93 ⁴ 92 ⁵ |
| LED | XP-G | |
| FWHM / FWTM | 50.0° / 86.0° | <u>z</u> |
| Efficiency | 80 % | |
| Peak intensity | 1.1 cd/lm | 50 ⁴ |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| C12479_MIREL | | |
| | | |
| | | |
| | | |
| | | |
| LED | XP-G2 | |
| FWHM / FWTM | 45.0° / 81.0° | |
| Efficiency | 83 % | |
| Peak intensity | 1.3 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| C12479_MIREL | LA-DL | |
| | | |
| CREE ÷ | | |
| LED | XP-G2 | |
| FWHM / FWTM | 36.0° / 84.0° | |
| Efficiency | 88 % | |
| Peak intensity | 1.7 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| | | |
| | | |
| | | |
| | | |



| LED LEDS | XP-L HI | |
|---|--|--|
| FWHM / FWTM | 35.0° / 84.0° | |
| Efficiency | 87 % | |
| Peak intensity | 1.7 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| required compone | | |
| | | |
| | | 50° |
| LED | XT-E | |
| FWHM / FWTM | 31.0° / 80.0° | 27 400 |
| Efficiency | 84 % | |
| Peak intensity | 1.2 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | ¢* 5* |
| Required compone | | |
| | | |
| | | |
| | | 20 200 24 |
| | | 22 ⁰ 0 ⁰ 12 ⁰ |
| | | 50° |
| LED | XT-E | |
| FWHM / FWTM | 46.0° / 86.0° | |
| Efficiency | 77 % | 612 |
| Peak intensity | 1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 9 ⁻ 60 - 6 |
| Required compone | | |
| C12479_MIREL | A-DL | 80 |
| | | |
| | | 30 ⁴ 1000 100 30 ⁴ |
| CREE ≑ | | 90 |
| | | 30 |
| LEDS | XT-E | |
| LED | XT-E 41.0° / 77.0° | |
| LED FWHM / FWTM | 41.0° / 77.0° | |
| LED LED FWHM / FWTM Efficiency | 41.0° / 77.0° 83 % | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity | 41.0° / 77.0° 83 % 1.4 cd/lm | |
| LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 41.0° / 77.0° 83 % 1.4 cd/lm 1 | |
| LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 41.0° / 77.0° 83 % 1.4 cd/lm 1 White | |
| LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 41.0° / 77.0° 83 % 1.4 cd/lm 1 White tts: | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 41.0° / 77.0° 83 % 1.4 cd/lm 1 White tts: | |
| LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 41.0° / 77.0° 83 % 1.4 cd/lm 1 White tts: | |



| CONTRACTOR OF CONTRACTOR CONTRACT | LUXEON 5050 Round LES 38.0° / 83.0° 89 % 1.5 cd/lm 1 White | |
|--|---|--|
| CONTRACTOR | LUXEON A 48.0° / 86.0° 80 % 1 cd/lm 1 White ents: | |
| ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13333_MIREL | LUXEON A 41.0° / 78.0° 84 % 1.4 cd/lm 1 White ents: | |
| Control Contro | LUXEON A 30.0° / 76.0° 86 % 1.7 cd/lm 1 White | |



| 🤭 LUMIL | .EDS | | 90* | |
|--|---|---|--|--|
| LED | LUXEON C | | | |
| FWHM / FWTM | 47.0° / 85.0° | | 73* | |
| Efficiency | 77 % | | 201 | λ λ λ |
| Peak intensity | 1 cd/lm | | a. | 400 |
| LEDs/each optic | 4 | | | |
| Light colour | RGBW | | 95° | |
| Required compone | ents: | | X | |
| C13723_MIREL | LA-RZL | | | 800 |
| | | | | |
| | | | 30* | |
| | FDS | | | 153 ⁰ 0 ⁶ 155° |
| | | | 90* | \wedge |
| | LUXEON M/MX | | 25* | |
| FWHM / FWTM | 54.0° / 90.0° | | | |
| Efficiency | 80 % | | 50s | 400 |
| Peak intensity | 1 cd/lm | | | |
| LEDs/each optic | 1 | | | |
| Light colour | White | | | $X \to X$ |
| Required compone | | | | 800 |
| C12479_MIREL | LA-DL | | | |
| | | | \checkmark | |
| | | | 30. | 182 00 152 |
| 6 | | | | |
| 🤭 LUMIL | .EDS | | 90* | |
| | | | 90* | |
| LED | LUXEON M/MX | - | 50 ⁵ | |
| LED FWHM / FWTM | | 1 | 89° | |
| LED FWHM / FWTM Efficiency | LUXEON M/MX 39.0° / 84.0° 87 % | | 997 72 73 | |
| LED FWHM / FWTM Efficiency Peak intensity | LUXEON M/MX 39.0° / 84.0° | | 99 ⁴ 72 80 ⁴ | 60 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm | | 90* | 60 |
| LED FWHM / FWTM Efficiency Peak intensity | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White | | 90 ⁴ 72 90 ⁴ | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White | | 9 ³ | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White | | 94 77 77 77 77 77 | . 40 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White | | 9 ⁴ 75 75 75 75 75 75 | 40 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White | | | 500 500 5200 600 5200 5200 5200 5200 520 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White | | 9 ³ | 12 ¹ 12 ¹ 12 ² 12 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White | | 9 ⁴ | 400 200 200 000 000 000 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White ents: .EDS LUXEON M/MX 47.0° / 80.0° | | 99 ¹ 75 75 75 75 75 75 75 75 75 | 400 200 200 200 200 200 200 200 200 200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White ents: EDS LUXEON M/MX 47.0° / 80.0° 83 % | | 991 12 12 12 12 12 12 12 12 12 12 12 12 12 | 00 00 00 00 00 00 00 00 00 00 00 00 00 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Weight Component Efficiency Peak intensity | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White ents: .EDS LUXEON M/MX 47.0° / 80.0° | | 9 ⁴ 9 ⁴ 9 ⁴ 9 ⁴ 9 ⁴ 9 ⁴ 9 ⁴ | 40 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Multiple Equired compone Efficiency Peak intensity LEDs/each optic | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White ents: EDS LUXEON M/MX 47.0° / 80.0° 83 % 1.2 cd/lm 1 | | 94 ¹ 95 ¹ 95 ¹ 95 ¹ 95 ¹ 95 ¹ 95 ¹ 95 ¹ | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White ents: EDS LUXEON M/MX 47.0° / 80.0° 83 % 1.2 cd/lm 1 White | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White ents: EDS LUXEON M/MX 47.0° / 80.0° 83 % 1.2 cd/lm 1 White ents: | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White ents: EDS LUXEON M/MX 47.0° / 80.0° 83 % 1.2 cd/lm 1 White ents: | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White ents: EDS LUXEON M/MX 47.0° / 80.0° 83 % 1.2 cd/lm 1 White ents: | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON M/MX 39.0° / 84.0° 87 % 1.4 cd/lm 1 White ents: EDS LUXEON M/MX 47.0° / 80.0° 83 % 1.2 cd/lm 1 White ents: | | | 200 - 200 - 200 - 200 - 200 |



| M LUMIL | .EDS | | 90* | 90* |
|---|--|---|--|---------------------------------|
| LED | LUXEON MZ | 1 | | |
| FWHM / FWTM | 32.0° / 79.0° | | 75. | 75" |
| Efficiency | 87 % | | | $\langle $ |
| Peak intensity | 2 cd/lm | | 60° | 60° |
| LEDs/each optic | 1 | | | |
| Light colour | White | | | 45* |
| Required compone | | | | \sum |
| | | | 1600 | \sim |
| | | | | $\langle \rangle$ |
| | | | | |
| | | | 15° 0° | 15% |
| UMIL | .EDS | | 90* | 90* |
| LED | LUXEON MZ | 1 | | 25" |
| FWHM / FWTM | 40.0° / 77.0° | | | - C |
| Efficiency | 82 % | | - 400 60 ^e | 60* |
| Peak intensity | 1.5 cd/lm | | | $X \cap$ |
| LEDs/each optic | 1 | | | $\langle \langle \rangle$ |
| Light colour | White | | | 45° |
| Required compone | ents: | | | $\boldsymbol{\lambda}$ |
| C12479_MIREL | LA-DL | | 1200 | \sim |
| | | | | |
| | | | 366 | 36.0 |
| | | | 15% 12% | - 15* |
| C LUMIL | EDS | | 90* | 90* |
| | | | 90* | 90* |
| LED | LUXEON Z | | 25 | 90° |
| LED FWHM / FWTM | LUXEON Z 46.0° / 84.0° | | 39 | 30 ⁴ |
| LED FWHM / FWTM Efficiency | LUXEON Z 46.0° / 84.0° 80 % | | 95° 95° 95° 400 | |
| LED FWHM / FWTM Efficiency Peak intensity | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm | | 59° 75 60° | 97 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 | | 5° 55 | 6°. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW | | 59° 73 69° 60° 60° | 97 97 97 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: | | 59° 59 69° 60° | 64. 65. 25. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: | | 59° 59° 69° 69° 60° | 9° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: | | 5° 55 57 60 60 60 60 60 | 90° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL | | 9° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL NS9x383 46.0° / 81.0° | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL NS9x383 46.0° / 81.0° 83 % | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL NS9x383 46.0° / 81.0° 83 % 1.2 cd/lm | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL NS9x383 46.0° / 81.0° 83 % 1.2 cd/lm 1 | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW onts: LA-RZL NS9x383 46.0° / 81.0° 83 % 1.2 cd/lm 1 White | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL NS9x383 46.0° / 81.0° 83 % 1.2 cd/lm 1 White ents: | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL NS9x383 46.0° / 81.0° 83 % 1.2 cd/lm 1 White ents: | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL NS9x383 46.0° / 81.0° 83 % 1.2 cd/lm 1 White ents: | | | 13 ³ 30 ⁴ |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13723_MIREL | LUXEON Z 46.0° / 84.0° 80 % 1.1 cd/lm 4 RGBW ents: LA-RZL NS9x383 46.0° / 81.0° 83 % 1.2 cd/lm 1 White ents: | | | 13 ³ 30 ⁴ |



| | | 94 |
|---|--|----|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | NS9x383 39.0° / 84.0° 89 % 1.5 cd/lm 1 White | |
| ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | NV4x144A 43.0° / 85.0° 87 % 1.3 cd/lm 1 White | |
| Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13333_MIREL | | |
| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL | | |



| OSRAM | | |
|---|---|---------|
| Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Duris S8 39.0° / 82.0° 88 % 1.6 cd/lm 1 White nts: | |
| OSRAM Opto Semiconductors | | |
| opio semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13333_MIREL | | |
| OSRAM | | 294 207 |
| opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | OSLON Square EC 32.0° / 76.0° 85 % 1.8 cd/lm 1 White nts: | |
| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C12479_MIREL | | |



| OSRAM Opto Semiconductors | | 90° 80 |
|------------------------------|---------------|--------------|
| LED | Ostar-SMT RGB | |
| FWHM / FWTM | 48.0° / 85.0° | |
| Efficiency | 81 % | |
| Peak intensity | 1.1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | ents: | |
| C13723_MIREL | LA-RZL | |
| | | |
| | | 14 V |
| 0.0.0.0 | | |
| SAMSI | JNG | 90* 90 |
| LED | LH508A | 78 |
| FWHM / FWTM | 38.0° / 82.0° | |
| Efficiency | 87 % | |
| Peak intensity | 1.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | <i>a</i> . |
| Required compone | ents: | |
| | | |
| | | |
| | | 30" 3000 30 |
| SEOUL | | 135) op 155° |
| SEOUL SEMICONDUCTOR | | |
| LED | F50360 (RGB) | |
| FWHM / FWTM | 46.0° / 86.0° | |
| Efficiency | 81 % | |
| Peak intensity | 1.2 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| C13723_MIREL | LA-RZL | |
| | | |
| | | |



OPTICAL RESULTS (SIMULATED):

| UMILEC |)S | | 90° 90° |
|--|--|--|--|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON 5258 41.0° / 82.0° 91 % 1.5 cd/lm 1 White | | 30° 100 100 100 100 100 100 100 100 100 1 |
| OSRAM | | 1.5e3 | 90° 53° |
| opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C12479_MIRELLA-D | OSCONIQ P 7070 50.0° / 81.0° 87 % 1.2 cd/lm 1 White | 1.561 1.563 1. | 20 20 20 20 20 20 20 20 20 20 |
| OSRAM | | 1.5e3 | 90* 90* |
| opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C13333_MIRELLA-C | OSCONIQ P 7070 46.0° / 79.0° 87 % 1.2 cd/lm 1 White | and a set of the set | 227 237 247 257 000 000 000 000 000 000 000 0 |
| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency | OSCONIQ P 7070 45.0° / 84.0° 91 % | 1.509 a coordinate value a | 59° 597 75° 75° 75° 75° 75° 75° 75° 75° 75° 75° |
| Peak intensity LEDs/each optic Light colour Required components: | 1.3 cd/lm 1 White | -1.563 0 1.563 X coordinate value R coordina | |
| | | | 34° - 127° - 64° - 127° - 84° |



OPTICAL RESULTS (SIMULATED):

| SEOUL SEOUL SEMICONDUCTOR | | 90* |
|------------------------------|---------------|-------------------------------|
| LED | Z8Y22P | |
| FWHM / FWTM | 43.0° / 82.0° | |
| Efficiency | 89 % | eg. 60 |
| Peak intensity | 1.4 cd/lm | $r \propto / / / \sim \gamma$ |
| LEDs/each optic | 1 | |
| Light colour | White | er |
| Required component | S: | 1200 30 127 0° 120 30° |



PRODUCT DATASHEET C12482_MIRELLA-50-W-PIN

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

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