

PRODUCT DATASHEET RONDA-O-C

RONDA-O-C

 ${\sim}50^\circ$ + 30° oval beam with holder C compatible with LEDiL HEKLA

SPECIFICATION:

| Dimensions | Ø 53.9 mm |
|----------------|-----------|
| Height | 20.5 mm |
| Fastening | socket |
| ROHS compliant | yes 🛈 |



MATERIALS:

Component F15990_RONDA-O F15635_RONDA-HLD-C

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

| Material | Colour | Finish |
|----------|--------|--------|
| PMMA | clear | |
| PC | white | |

ORDERING INFORMATION:

Quantities for one set:

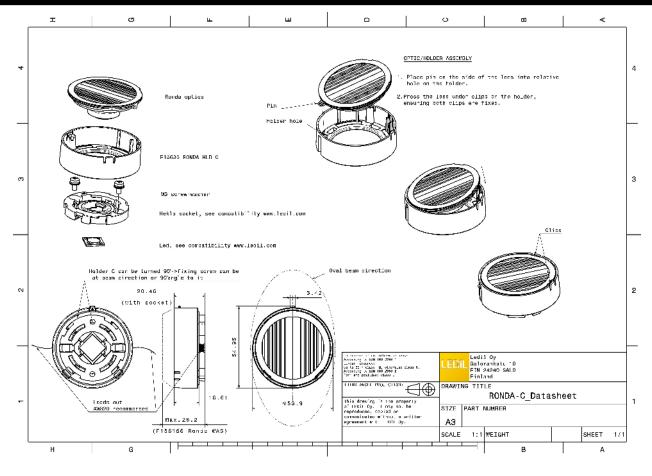
Single lens 1 Holder 1



PRODUCT DATASHEET RONDA-O-C

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|-------------|------------|-----|-----|-----------------|
| F15990_RONDA-O » Box size: 480 x 280 x 300 mm | Single lens | 420 | 120 | 30 | 6.5 |
| F15635_RONDA-HLD-C » Box size: 480 x 280 x 300 mm | Holder | 420 | 120 | 30 | 4.1 |

PRODUCT DATASHEET RONDA-O-C



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



| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6 | |
|--|--|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15253_HEKLA | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15253_HEKLA | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | |



| hadaalua | | | |
|--|--|-------|----------|
| bridgelux. | | | 38* |
| LED | V9 HD Gen7 | | |
| FWHM / FWTM | 47.0 + 23.0° / 74.0 + 54.0° | | |
| Efficiency | 89 % | | w |
| Peak intensity | 1.9 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | a), |
| Required compone | | | |
| F15859_HEKLA | -SOCKET-I | | |
| | | | |
| | | | - × |
| bridgelux. | | | 30* |
| LED | Vesta DTW 13mm (21W) | | hand |
| FWHM / FWTM | 53.0 + 35.0° / 89.0 + 84.0° | 285- | L |
| Efficiency | 80 % | | |
| Peak intensity | 1 cd/lm | | ~ ~ |
| LEDs/each optic | 1 | | |
| Light colour | Tunable White | e / / | y y |
| Required compone | nts: | | |
| C16142_HEKLA | | 1 | |
| Bender Wirth: 49 | | | |
| | | | |
| bridgelux. | | | |
| LED | Vesta TW 13mm (25W) CSP | | 1 |
| FWHM / FWTM | 50.0 + 31.0° / 85.0 + 81.0° | | |
| Efficiency | 82 % | | |
| Peak intensity | 1.1 cd/lm | | ~ 7 |
| LEDs/each optic | 1 | | |
| Light colour | White | | y a |
| | nts: | | |
| Required compone | | | |
| Required compone C16142_HEKLA | | | |
| | -SOCKET-K | | |
| C16142_HEKLA | -SOCKET-K | | X |
| C16142_HEKLA | -SOCKET-K | | <u>}</u> |
| C16142_HEKLA Bender Wirth: 49 | -SOCKET-K 12 Typ L8 | | X |
| C16142_HEKLA Bender Wirth: 49 bridgetux LED | -SOCKET-K 32 Typ L8 Vesta TW 6mm DP | | X. F. |
| C16142_HEKLA Bender Wirth: 49 bridgetux LED FWHM / FWTM | -SOCKET-K 12 Typ L8 | | X |
| C16142_HEKLA Bender Wirth: 49 bridgetux LED FWHM / FWTM Efficiency | -SOCKET-K 32 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° | | |
| C16142_HEKLA Bender Wirth: 45 bridgelux LED FWHM / FWTM Efficiency Peak intensity | -SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % | | X. E. |
| C16142_HEKLA Bender Wirth: 49 bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | -SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % 2.1 cd/lm | | <u> </u> |
| C16142_HEKLA Bender Wirth: 49 bridgelux. LED FWHM / FWTM Efficiency Peak intensity | -SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % 2.1 cd/lm 1 White | | |
| C16142_HEKLA Bender Wirth: 49 bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | -SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % 2.1 cd/lm 1 White nts: | | |
| C16142_HEKLA Bender Wirth: 49 bridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA | -SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % 2.1 cd/lm 1 White nts: -SOCKET-K | | |
| C16142_HEKLA Bender Wirth: 49 Dridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | -SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % 2.1 cd/lm 1 White nts: -SOCKET-K | | |



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|----------------------------------|--|---------------------------------|
| bridgelux. | | |
| LED | Vesta TW 9mm (12W) CSP | |
| FWHM / FWTM | 44.0 + 25.0° / 73.0 + 64.0° | |
| Efficiency | 85 % | |
| Peak intensity | 1.6 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| C16142_HEKLA | | |
| | | $\times \Lambda \Lambda \times$ |
| | | |
| | | |
| CITIZE | 'N | |
| | | |
| LED | CLC020 Series (Dim-To-Warm) | |
| FWHM / FWTM | 29.0 + 23.0° / 72.0 + 57.0° | |
| Efficiency | 84 % | |
| Peak intensity | 1.9 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | $\times \Lambda \Lambda X$ |
| C16142_HEKL | A-SOCKET-K | |
| | | \times $(\setminus X)$ |
| | | |
| CITIZE | 'N | |
| | | |
| FWHM / FWTM | CLL02x/CLU02x (LES10) 47.0 + 24.0° / 75.0 + 58.0° | n |
| | 47.0 + 24.0° / 75.0 + 58.0° 88 % | |
| Efficiency | | |
| Peak intensity | 1.8 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone F15255_HEKLA | | |
| F 15255_HEKLA | 4-300KET-C | |
| | | |
| | | |
| CITIZE | 'N | 2.° |
| | | |
| LED | CLU700/701/702/703 | |
| FWHM / FWTM | 50.0 + 18.0° / 71.0 + 43.0° | |
| Efficiency | 90 % | erw |
| Peak intensity | 2.3 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| F15255_HEKLA | A-SOCKET-C | |
| | | \times \times \times |
| | | |
| | | 19 ⁴ |



| CITIZE | 'N | |
|---|---|--|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | CLU7A2/7A3 49.0 + 14.0° / 68.0 + 31.0° 91 % 3 cd/lm 1 White ents: | |
| CREE CLE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA | CMA1516 49.0 + 25.0° / 76.0 + 57.0° 91 % 1.8 cd/lm 1 White ents: | |
| CREE (LED) FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA | CMA1825 51.0 + 33.0° / 83.0 + 76.0° 88 % 1.3 cd/lm 1 White ents: | |
| CREE (LED) FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | CMT14xx 48.0 + 26.0° / 77.0 + 60.0° 90 % 1.7 cd/lm 1 White ents: | |



| CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | CMT19xx 54.0 + 38.0° / 92.0 + 88.0° 84 % 1 cd/lm 1 White nts: | 50 50 50 50 50 50 50 50 50 50 |
|--|---|--|
| CREE LED | CXA/B 13xx 50.0 + 17.0° / 72.0 + 40.0° 91 % | |
| Peak intensity LEDs/each optic Light colour Required compone F15956_HEKLA | | |
| | | a 1 1 1 1 1 1 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | CXA/B 15xx 49.0 + 23.0° / 75.0 + 54.0° 90 % 1.9 cd/lm 1 White | |
| Required compone F15256_HEKLA | | |
| | EDS | · · · |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON CX Plus CoB L08 (Gen2) 54.0 + 38.0° / 93.0 + 90.0° 85 % 1 cd/lm 1 White | 27 77 10 10 10 10 10 10 10 10 10 10 10 10 10 |
| Required compone Bender Wirth: 63 | | |



| | EDC | |
|----------------------------------|--|-------------------|
| | | •> |
| LED | LUXEON CoB 1202HD | 32 |
| FWHM / FWTM | 51.0 + 18.0° / 73.0 + 43.0° | |
| Efficiency | 91 % | 5- 1 |
| Peak intensity | 2.2 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| F15848_HEKLA | -SOCKET-G | |
| | | \times \times |
| | | |
| | EDS | |
| LED | LUXEON CoB 1202s | |
| FWHM / FWTM | 51.0 + 17.0° / 72.0 + 40.0° | |
| Efficiency | 91 % | |
| Peak intensity | 2.3 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | ents: | |
| F15848_HEKLA | | |
| | | |
| | | |
| | EDS | |
| | | |
| LED | LUXEON CoB 1204HD | |
| FWHM / FWTM | 48.0 + 25.0° / 76.0 + 56.0° 91 % | |
| Efficiency | | |
| Peak intensity | 1.8 cd/lm | |
| LEDs/each optic Light colour | 1 | |
| | | |
| | White | |
| Required compone | nts: | |
| | nts: | |
| Required compone | nts: | |
| Required compone | nts: | |
| Required compone | nts: -SOCKET-H | |
| Required compone F15858_HEKLA | nts: -SOCKET-H | |
| Required compone F15858_HEKLA | .EDS | |
| Required compone F15858_HEKLA | .SOCKET-H .EDS LUXEON CoB 1205HD | |
| Required compone F15858_HEKLA | EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° | |
| Required compone F15858_HEKLA | EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % | |
| Required compone F15858_HEKLA | EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm | |
| Required compone F15858_HEKLA | ents: -SOCKET-H EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm 1 White | |
| Required compone F15858_HEKLA | EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm 1 White ints: | |
| Required compone F15858_HEKLA | EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm 1 White ints: | |
| Required compone F15858_HEKLA | EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm 1 White ints: | |



| | No. of Contraction | |
|---|--|--|
| | .EDS | ۵ |
| LED | LUXEON CX Plus CoB - HD S01H4 | |
| FWHM / FWTM | 50.0 + 18.0° / 72.0 + 43.0° | |
| Efficiency | 90 % | |
| Peak intensity | 2.3 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | ents: | |
| Bender Wirth: 63 | 34c Hekla | |
| | | |
| | | |
| | EDS | |
| LED | LUXEON CX Plus CoB - HD S02H6 | |
| FWHM / FWTM | $51.0 + 20.0^{\circ} / 72.0 + 45.0^{\circ}$ | |
| Efficiency | 91 % | |
| Peak intensity | 2.1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| Bender Wirth: 6 | | |
| Dender With 0 | | |
| | | |
| | | |
| | EDS | |
| LED | LUXEON CX Plus CoB - HD S04H9 | |
| | | |
| FWHM / FWTM | 46.0 + 25.0° / 75.0 + 58.0° | 27 |
| | | |
| FWHM / FWTM | 46.0 + 25.0° / 75.0 + 58.0° | |
| FWHM / FWTM Efficiency | 46.0 + 25.0° / 75.0 + 58.0° 90 % | 27 |
| FWHM / FWTM Efficiency Peak intensity | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White | 22 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6: | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6: Model Description | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white 34c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6: WIM / FWTM Efficiency | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White onts: 34c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6: | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 Composition Bender Wirth: 63 Composition Compos | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white Mite LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPACTION LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white Mite LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White white | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPARENT Efficiency Peak intensity LEDs/each optic Light colour | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white Mite LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White white | |
| FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPACTION LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white UXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White white | |

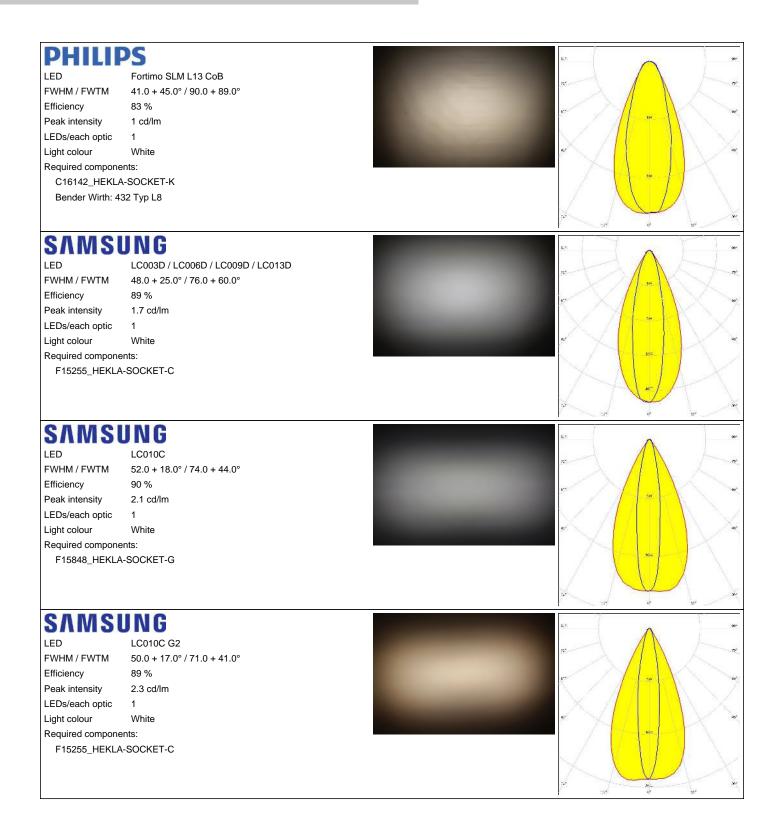


| | EDS | |
|--|--|--|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6 | LUXEON CX Plus CoB M02 / M03 (Gen2) 46.0 + 23.0° / 74.0 + 56.0° 90 % 1.9 cd/lm 1 White ents: | |
| ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6 | LUXEON CX Plus CoB S01 (Gen2) 48.0 + 20.0° / 68.0 + 47.0° 89 % 2.2 cd/lm 1 White ents: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | CxM-14 (19x19) 49.0 + 35.0° / 89.0 + 88.0° 79 % 1 cd/lm 1 White ents: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | CXM-4 51.0 + 16.0° / 70.0 + 37.0° 90 % 2.5 cd/lm 1 White ents: | |



| CLUM | INUS | | | |
|--|---|---|---|----------|
| LED | CxM-9 (13.5x13.5) | | | |
| FWHM / FWTM | 47.0 + 25.0° / 75.0 + 59.0° | | | ~~~ |
| Efficiency | 89 % | | | V~ |
| Peak intensity | 1.8 cd/lm | | | |
| LEDs/each optic | 1 | | | |
| Light colour | White | | # X | |
| Required compone | nts: | | | |
| F15255_HEKLA | | | \rightarrow \rightarrow \rightarrow | |
| | | | / sc. // | H V |
| | | | | 312 34 |
| ØNICHI | l l | | | |
| LED | NJCWL024Z-V1MT: COB L-Type Tunable White | | | L |
| FWHM / FWTM | 46.0 + 20.0° / 70.0 + 50.0° | | # // / | 1 |
| Efficiency | 82 % | | | 1~ |
| Peak intensity | 1.9 cd/lm | | | |
| LEDs/each optic | 1 | | | |
| Light colour | White | | × //// | |
| Required compone | | | | |
| C16142_HEKLA | | | / | |
| Bender Wirth: 49 | 97 Typ L8 | | A | |
| | | | | |
| MAUCHIA | | | | 1. |
| ØNICHI | | | 12 A | * |
| | NVCWJ024Z-V1MT: COB J-Type Tunable White | and the second se | | J |
| | | | | James J. |
| LED | NVCWJ024Z-V1MT: COB J-Type Tunable White | | 1.5° | James J. |
| LED FWHM / FWTM | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° | | | James J. |
| LED FWHM / FWTM Efficiency | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % | | | James J. |
| LED FWHM / FWTM Efficiency Peak intensity | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm | | ц. сч. | James J. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White | | 22 00 | James J. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White ints: | | ц. сч. | James J. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white -SOCKET-K | | 22 00 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white -SOCKET-K | | 22 00 | James J. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white -SOCKET-K | | | James J. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White Ints: INSOCKET-K 28 Typ L8 | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White Ints: INSOCKET-K 28 Typ L8 | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 43 | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White Ints: -SOCKET-K 98 Typ L8 | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 PHILLIE LED FWHM / FWTM Efficiency | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White Ints: SOCKET-K 28 Typ L8 Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 43 PHILLE FWHM / FWTM Efficiency Peak intensity | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White Ints: SOCKET-K 88 Typ L8 Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 PHILLIE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White I S S Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white NSOCKET-K 28 Typ L8 S Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm 1 White | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white white SS Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm 1 White ints: | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white white SS Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm 1 White ints: | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white white SS Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm 1 White ints: | | | James J. |







| SAMSU | JNG | |
|---|---|--|
| LED | LC016D / LC019D / LC026D / LC033D | |
| FWHM / FWTM | 55.0 + 37.0° / 94.0 + 89.0° | |
| Efficiency | 82 % | |
| Peak intensity | 1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| F15859_HEKLA | -SOCKET-I | |
| | | \times \wedge \wedge \wedge \times |
| | | 52 <u>Here</u> 10 ⁴ 10 |
| <u> </u> | JNG | £.* |
| LED | LC020C | |
| FWHM / FWTM | 49.0 + 22.0° / 75.0 + 52.0° | |
| Efficiency | 90 % | |
| Peak intensity | 1.9 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | nts: | |
| F15848_HEKLA | -SOCKET-G | |
| | | \times \wedge \wedge \wedge \times |
| | | |
| รกทรเ | ING | |
| LED | LC020C G2 | |
| FWHM / FWTM | 47.0 + 23.0° / 74.0 + 55.0° | |
| Efficiency | 88 % | |
| Peak intensity | 1.9 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | nts: | |
| F15859_HEKLA | -SOCKET-I | |
| | | 16. July 16. |
| _ | | |
| _ | | |
| | | |
| TRIDON | | |
| | SLE G7 LES09 | |
| TRIDON LED FWHM / FWTM | SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° | |
| TRIDON LED FWHM / FWTM Efficiency | SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % | |
| TRIDON LED FWHM / FWTM Efficiency Peak intensity | SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm | |
| TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm 1 | |
| TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm 1 White | |
| TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm 1 White ints: | |
| TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm 1 White ints: | |
| TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm 1 White ints: | |



| TRIDO | | | | 100 |
|---|---|--|--|---|
| TRIDO | NIC | | | |
| LED | SLE G7 LES13 | | | 1 |
| FWHM / FWTM | 52.0 + 35.0° / 85.0 + 81.0° | | | A |
| Efficiency | 84 % | | 5" / | |
| Peak intensity | 1.1 cd/lm | | | |
| LEDs/each optic | 1 | | | NX. |
| Light colour | White | | | |
| Required compone | | | | |
| F15859_HEKLA | A-SOCKET-I | | | |
| | | | | X |
| | | | M | |
| TRIDO | VIC | | | * |
| LED | SLE G7 LES15 | | | |
| FWHM / FWTM | 55.0 + 39.0° / 94.0 + 90.0° | | n | 1 |
| Efficiency | 83 % | | | $\sqrt{\sim}$ |
| Peak intensity | 1 cd/lm | | | ~~~~~ |
| LEDs/each optic | 1 | | | X |
| Light colour | White | | * 7 <u>8</u> | K |
| Required compone | | | | $X \ge$ |
| F15859_HEKL4 | | | | X |
| | | | | |
| | | | | 1 |
| | ` | | 1.55 · · · · · · · · · · · · · · · · · · | 11 ¹ |
| XICAI | | | 4.7 | |
| XICATO | | | | |
| LED | XOB 14.5 mm | | | |
| LED FWHM / FWTM | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° | | # | ~ |
| LED FWHM / FWTM Efficiency | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % | | EX | ~ |
| LED FWHM / FWTM Efficiency Peak intensity | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm | | E* | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 | | E* | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White | | 5° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: | | E* | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: | | 52 22 52 62 62 73 73 73 73 73 | 90 100 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA Efficiency Peak intensity | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % 1.8 cd/lm | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA Efficiency Peak intensity | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % 1.8 cd/lm 1 White | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % 1.8 cd/lm 1 White ents: | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % 1.8 cd/lm 1 White ents: | | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % 1.8 cd/lm 1 White ents: | | | |



90

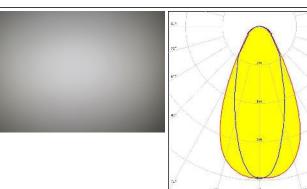
77

OPTICAL RESULTS (MEASURED):

XICATO

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic 1 Light colour Required components:

XTM - 19mm LES 57.0 + 40.0° / 111.0 + 107.0° 82 % 0.8 cd/lm White C16058_XTM-ADAPTER-50-C



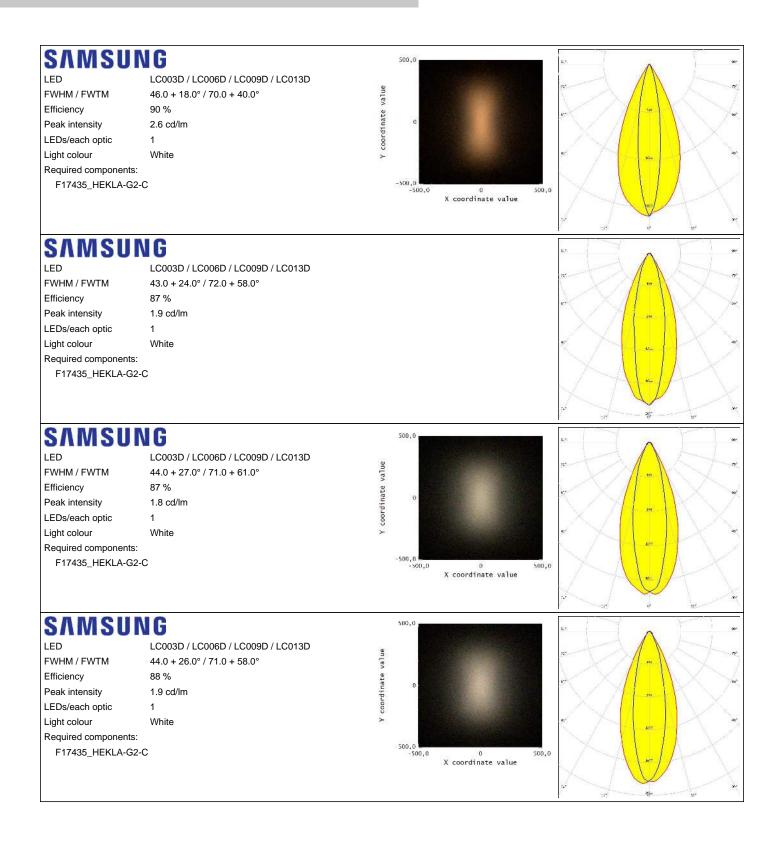


OPTICAL RESULTS (SIMULATED):

| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15255_HEKLA-SOC | V10 Gen 8 24.0 + 45.0° / 56.0 + 73.0° 87 % 1.9 cd/lm 1 White KET-C | | |
|--|--|---|--|
| CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15859_HEKLA-SOC | CLL03x/CLU03x 47.0 + 40.0° / 85.0 + 83.0° 80 % 1.1 cd/lm 1 White KET-I | | |
| CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2-0 | CLU7B2 48.0 + 12.0° / 68.0 + 27.0° 91 % 3.3 cd/lm 1 White | 500,0 0 500,0 -500,0 X coordinate value | |
| ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC | COB T-Type 28.0 + 47.0° / 40.0 + 71.0° 86 % 2.5 cd/lm 1 White KET-G | | |

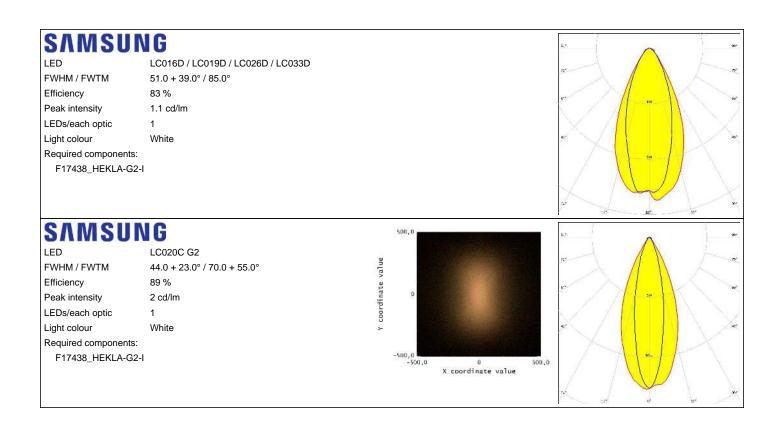


OPTICAL RESULTS (SIMULATED):





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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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.

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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

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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