

BARBARA-G2-M

~25° wide beam compatible with LEDiL HEKLA

TECHNICAL SPECIFICATIONS:

| Dimensions | Ø 70.0 mm |
|----------------|-----------|
| Height | 41.9 mm |
| Fastening | socket |
| ROHS compliant | yes 🛈 |



MATERIAL SPECIFICATIONS:

Component BARBARA-G2-M

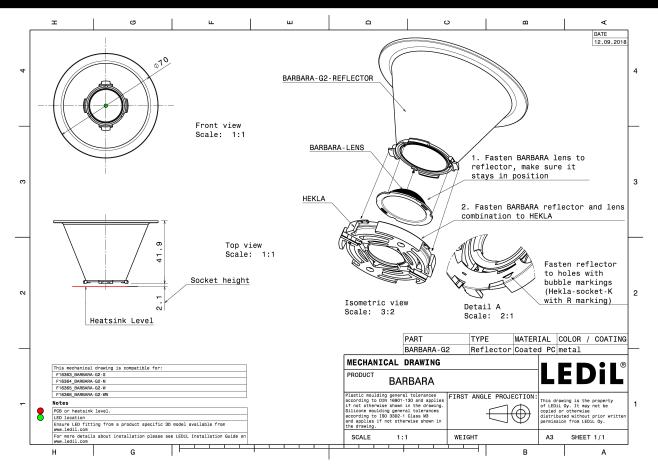
Type Reflector **Material** PC

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

ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| F16364_BARBARA-G2-M | 252 | 90 | 18 | 4.5 |
| » Box size: 480 x 280 x 300 mm | | | | |

PRODUCT DATASHEET F16364_BARBARA-G2-M



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



| bridgelux. | | | 90 ⁴ |
|---|---|--|---|
| LED | V4 HD | | |
| FWHM / FWTM | 21.0° / 47.0° | | |
| Efficiency | 87 % | | |
| Peak intensity | 4 cd/lm | | - 1600 X |
| LEDs/each optic | 1 | | |
| Light colour | White | | g7 65' |
| Required compone | ents: | | |
| F15253_HEKLA | | | 3200 |
| C14658_BARBA | | | |
| | | | 36° 133 0 [†] 133 365 |
| bridgelux. | | | 30° A 30' |
| LED | V4 HD | | |
| FWHM / FWTM | 16.0° / 36.0° | | 75 |
| Efficiency | 92 % | | |
| Peak intensity | 6.5 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | gre 65% |
| Required compone | | | |
| F15253_HEKLA | | | |
| | | | X / X |
| | | | 30* 34 |
| | | | (15 ³) 0 ⁵ 15 ⁵ |
| | | | |
| bridgelux. | | | 90 ⁴ 90 ⁴ |
| LED | V6 HD | | 39 ⁴ 39 ⁴ |
| LED FWHM / FWTM | 24.0° / 56.0° | | 73 75 75 75 75 75 75 |
| LED FWHM / FWTM Efficiency | 24.0° / 56.0° 87 % | | 50 ⁴ 50 ⁴ |
| LED FWHM / FWTM Efficiency Peak intensity | 24.0° / 56.0° 87 % 3.5 cd/lm | | 50 ⁴ 50 ⁴ 5 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 24.0° / 56.0° 87 % 3.5 cd/lm 1 | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White | | g. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C | | g. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C | | g. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C | | g. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS | | g. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA bridgeLUX LED FWHM / FWTM | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS V6 HD 20.0° / 41.0° | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA bridgeLux. LED FWHM / FWTM Efficiency | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White onts: ASOCKET-C ARA-RZ-LENS V6 HD 20.0° / 41.0° 92 % | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA C14658_BARBA bridgeLux LED FWHM / FWTM Efficiency Peak intensity | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS V6 HD 20.0° / 41.0° 92 % 4.8 cd/lm | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA C14658_BARBA bridgeLUX LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS V6 HD 20.0° / 41.0° 92 % 4.8 cd/lm 1 | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA C14658_BARBA bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS V6 HD 20.0° / 41.0° 92 % 4.8 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA bridgeLX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS V6 HD 20.0° / 41.0° 92 % 4.8 cd/lm 1 White ents: | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA C14658_BARBA bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS V6 HD 20.0° / 41.0° 92 % 4.8 cd/lm 1 White ents: | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA bridgeLX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS V6 HD 20.0° / 41.0° 92 % 4.8 cd/lm 1 White ents: | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARBA bridgeLux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 24.0° / 56.0° 87 % 3.5 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS V6 HD 20.0° / 41.0° 92 % 4.8 cd/lm 1 White ents: | | |



| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | | |
|---|--------------------------|--|
| bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA C14658_BARBA | -SOCKET-I | |
| bridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | | |
| bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 45 | -SOCKET-K NRA-RZ-LENS | |



| bridgelux. | | 50° 50° |
|------------------|------------------------|---|
| LED | Vesta DTW 13mm (21W) | |
| FWHM / FWTM | 32.0° / 65.0° | |
| Efficiency | 88 % | |
| Peak intensity | 2.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | Tunable White | g- at |
| Required compone | nts: | |
| C16142_HEKLA | | |
| Bender Wirth: 49 | 91 Typ L8 | |
| | | 20 ¹ 20 ⁴ 20 ⁴ 20 ⁴ |
| bridgelux. | | |
| LED | Vesta TW 6mm DP | |
| FWHM / FWTM | 24.0° / 57.0° | |
| Efficiency | 82 % | |
| Peak intensity | 3.2 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | |
| C16142_HEKLA | | |
| C14658_BARBA | | |
| Bender Wirth: 50 | | |
| | | |
| bridgelux. | | |
| LED | Vesta TW 6mm DP | |
| FWHM / FWTM | 21.0° / 41.0° | |
| Efficiency | 88 % | |
| Peak intensity | 4.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | nts: | |
| C16142_HEKLA | -SOCKET-K | |
| Bender Wirth: 50 | 04 Typ L8 | |
| | | |
| bridgelux. | | 99 · · · · · · · · · · · · · · · · · · |
| LED | Vesta TW 9mm (12W) CSP | |
| FWHM / FWTM | 29.0° / 64.0° | $\square \land \land$ |
| Efficiency | 83 % | 60° |
| Peak intensity | 2.6 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | e ^r - <u>100</u> er |
| Required compone | | |
| C16142_HEKLA | -SOCKET-K | |
| C14658_BARBA | RA-RZ-LENS | 200 |
| | | 200 V |
| | | 155 [°] 0 ⁸ 15 [°] |



| CITIZE | Ν | 99° 99° |
|---|--|---|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | CLC030 Series (Dim-To-Warm) 33.0° / 66.0° 87 % 2.3 cd/lm 1 White | |
| C16142_HEKLA Bender Wirth: 43 | -SOCKET-K | 30 ⁴ 2009 20 137 0 ⁴ 12 ⁵ |
| CITIZE | N | 90 ⁴ 90 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 43 | CLC030 Series (Dim-To-Warm) 34.0° / 68.0° 80 % 1.9 cd/lm 1 White Ints: IN-SOCKET-K ARA-RZ-LENS | |
| | N | |
| CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | CLL02x/CLU02x (LES10) 24.0° / 49.0° 92 % 3.8 cd/lm 1 White Ints: -SOCKET-C | |
| CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | CLL03x/CLU03x 31.0° / 65.0° 91 % 2.6 cd/lm 1 White ints: | |



| CITIZE | N | 90 ¹⁴ 99 |
|---|--|---------------------|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | CLU700/701/702 19.0° / 39.0° 92 % 5.2 cd/lm 1 White ents: | |
| CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 4 | LCN-C02B (Tunable White) 33.0° / 67.0° 82 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS | |
| CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | CMT14xx 26.0° / 57.0° 92 % 3.4 cd/lm 1 White ents: | |
| CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | CMT19xx 32.0° / 66.0° 92 % 2.5 cd/lm 1 White ents: | |



| CREE \$ | | 50 ⁴ |
|---|--|---|
| LED | CXA/B 13xx | |
| FWHM / FWTM | 18.0° / 37.0° | |
| Efficiency | 92 % | |
| Peak intensity | 5.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | er. 200 |
| Required componer | | |
| F15956_HEKLA- | | |
| | | |
| | | |
| | | 12 ⁵ 0 ⁴ 12 ⁵ |
| CREE \$ | The second se | 50* |
| LED | CXA/B 15xx | |
| FWHM / FWTM | 23.0° / 49.0° | |
| Efficiency | 92 % | |
| Peak intensity | 3.9 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | ar <u>200</u> |
| Required componer | nts: | |
| F15256_HEKLA- | SOCKET-D | 322 |
| | | |
| | | 30° |
| | × | |
| UKEE 7 | | 301 30 |
| | | 99° |
| LED | CXA/B 1816 & CXA/B 1820 & CXA 1850 | 901 901 90 |
| LED FWHM / FWTM | | 55 ¹ 75 00 |
| LED FWHM / FWTM Efficiency | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° | 50 ⁴ 72 72 72 72 72 72 |
| LED FWHM / FWTM Efficiency Peak intensity | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % | 60 ² |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm | 994 994 994 995 996 996 996 996 996 996 996 996 996 |
| LED FWHM / FWTM Efficiency Peak intensity | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White nts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White nts: | g |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White nts: | g. 100 g. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 33.0° / 66.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 33.0° / 66.0° 90 % | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 33.0° / 66.0° 90 % 2.4 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 33.0° / 66.0° 90 % 2.4 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 33.0° / 66.0° 90 % 2.4 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 33.0° / 66.0° 90 % 2.4 cd/lm 1 White hts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 33.0° / 66.0° 90 % 2.4 cd/lm 1 White hts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15254_HEKLA- | CXA/B 1816 & CXA/B 1820 & CXA 1850 29.0° / 63.0° 91 % 2.9 cd/lm 1 White hts: SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 33.0° / 66.0° 90 % 2.4 cd/lm 1 White hts: | |



| 🥙 LUMIL | EDS | 594 |
|--|--|---|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARB/ Bender Wirth: 6 | ARA-RZ-LENS | 20, 20, 20, 20, 20, 20, 20, 20, 20, 20, |
| | EDS | 90* |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA | LUXEON CoB 1202HD 20.0° / 42.0° 91 % 4.7 cd/lm 1 White ents: | 97 |
| | EDS | 89 ¹ |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA | LUXEON CoB 1204HD 25.0° / 53.0° 92 % 3.6 cd/lm 1 White ents: | |
| UMIL | .EDS | 55 ⁴ |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA | | 97 97 97 160 97 |



| LUMIL | EDS | 50° 50° |
|--|--|--|
| LED | LUXEON CoB 1208 | |
| FWHM / FWTM | 33.0° / 66.0° | 75. 75. |
| Efficiency | 90 % | |
| Peak intensity | 2.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 9° |
| Required componer | | 1600 |
| Bender Wirth: 63 | | |
| | | |
| | | 200 200 |
| | | 15° 0° 15° |
| UMIL | EDS | 90* 90* |
| LED | LUXEON CX Plus CoB - HD S01H4 | |
| FWHM / FWTM | 20.0° / 39.0° | |
| Efficiency | 91 % | 60° 1600 60° |
| Peak intensity | 5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | gr 3200 |
| Required componer | nts: | |
| Bender Wirth: 63 | 4c Hekla | |
| | | |
| | | 30° 30° |
| <i>(</i>) | | |
| | EDS | 90* 90* |
| | | 90° |
| LED | LUXEON CX Plus CoB - HD S01H4 | 25. 26. 26. |
| LED FWHM / FWTM | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° | 25* 25* 25* |
| LED FWHM / FWTM Efficiency | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % | 64 65 7 22 7 26 7 26 7 26 7 26 7 26 7 26 7 26 |
| LED FWHM / FWTM Efficiency Peak intensity | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° | 99* 90* 99* 90* 99* 60* |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm | gy |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White | 61. 62. 63. 64. 10.9 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White | 5° 5° 5° 50 50 5° 5° 5° 5° 5° 5° 5° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White nts: RA-RZ-LENS | 57 57 59 59 59 50 50 50 50 50 50 50 50 50 50 50 50 50 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14658_BARBA | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White nts: RA-RZ-LENS | 30. 203 60. 60. 503 900 503 90. 50. 50. 50. 50. 50. 50. 50. 50. 50. 5 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White nts: RA-RZ-LENS 4c Hekla | 30° - 200 - 20° - 20° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White nts: RA-RZ-LENS 4c Hekla | 209 509 509 509 509 509 509 509 509 509 5 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White nts: RA-RZ-LENS 4c Hekla | 309 309 50 50 50 50 50 50 50 50 50 50 50 50 50 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White hts: RA-RZ-LENS 4c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 25.0° / 60.0° | 25° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White hts: RA-RZ-LENS 4c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 25.0° / 60.0° 84 % | 25° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White hts: RA-RZ-LENS 4c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 25.0° / 60.0° 84 % 3.2 cd/lm | 64 65 75 75 75 75 75 75 75 75 75 75 75 75 75 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White hts: RA-RZ-LENS 4c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 25.0° / 60.0° 84 % 3.2 cd/lm 1 | 25° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White hts: RA-RZ-LENS 4c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 25.0° / 60.0° 84 % 3.2 cd/lm 1 White | 64 65 75 75 75 75 75 75 75 75 75 75 75 75 75 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White hts: RA-RZ-LENS 4c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 25.0° / 60.0° 84 % 3.2 cd/lm 1 White hts: | 64 65 75 75 75 75 75 75 75 75 75 75 75 75 75 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White hts: RA-RZ-LENS 4c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 25.0° / 60.0° 84 % 3.2 cd/lm 1 White hts: RA-RZ-LENS | dr. 1000 302 300 300 302 300 300 302 300 300 302 300 300 302 300 300 302 300 300 302 300 300 302 300 300 302 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14658_BARBA Bender Wirth: 63 | LUXEON CX Plus CoB - HD S01H4 24.0° / 57.0° 84 % 3.3 cd/lm 1 White hts: RA-RZ-LENS 4c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 25.0° / 60.0° 84 % 3.2 cd/lm 1 White hts: RA-RZ-LENS | dr. 1000 302 300 300 302 300 300 302 300 300 302 300 300 302 300 300 302 300 300 302 300 300 302 300 300 302 |



| UMIL | EDS | 90° 90 |
|--|---|--|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6 | | 375 JUD 100 100 100 100 100 100 100 100 100 10 |
| | EDS | 90° 90 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARB/ Bender Wirth: 6 | LUXEON CX Plus CoB - HD S04H9 28.0° / 64.0° 85 % 2.6 cd/lm 1 White ents: ARA-RZ-LENS | |
| | EDS | 90* 90 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6 | LUXEON CX Plus CoB - HD S04H9 26.0° / 58.0° 91 % 3.4 cd/lm 1 White ents: | 35 64 550 550 550 550 550 550 550 55 |
| | .EDS | 90° 90 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARB/ Bender Wirth: 6 | LUXEON CX Plus CoB L04 / L05 (Gen2) 32.0° / 66.0° 83 % 2.2 cd/lm 1 White ents: ARA-RZ-LENS | 73 ⁻ 64 ⁻ 550 500 |



| MUMIL 🍼 | EDS | 50* |
|---|--|---|
| LED | LUXEON CX Plus CoB L04 / L05 (Gen2) | |
| FWHM / FWTM | 29.0° / 63.0° | |
| Efficiency | 90 % | 80 ⁴ |
| Peak intensity | 2.9 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 97 - 1 500 - 4 |
| Required compone | nts: | |
| Bender Wirth: 63 | 37a Hekla | 2000 |
| | | |
| | | 34 |
| | EDS | 201 V V V V V V V V V V V V V V V V V V V |
| LED | LUXEON CX Plus CoB M02 / M03 (Gen2) | |
| FWHM / FWTM | 24.0° / 51.0° | 72 |
| Efficiency | 91 % | |
| Peak intensity | 3.7 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | | 349 |
| Bender Wirth: 64 | | \times |
| | | 300 |
| | | 30' |
| | | 10" 40% 10" |
| | EDS | |
| | | 99* · · · · · · · · · · · · · · · · · · |
| LED | LUXEON CX Plus CoB M02 / M03 (Gen2) | 20 |
| LED FWHM / FWTM | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° | 20 ² |
| LED FWHM / FWTM Efficiency | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % | 51 51 51 50 50 50 50 50 50 50 50 50 50 50 50 50 |
| LED FWHM / FWTM Efficiency Peak intensity | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White | 94 90 90 90 90 90 90 90 90 90 90 90 90 90 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White ints: | 94 ¹ 72 61 72 72 70 70 70 70 70 70 70 70 70 70 70 70 70 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White white ARA-RZ-LENS | 94 ⁵ 77 64 67 160 200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White white ARA-RZ-LENS | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White Ints: IRA-RZ-LENS 41a Hekla | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White Ints: ARA-RZ-LENS 41a Hekla | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White Ints: ARA-RZ-LENS 41a Hekla | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White Ints: ARA-RZ-LENS 41a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 24.0° / 58.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White I White MRA-RZ-LENS 41a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 24.0° / 58.0° 84 % | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 WIME LED FWHM / FWTM Efficiency Peak intensity | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White mts: ARA-RZ-LENS 41a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 24.0° / 58.0° 84 % 3.3 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 WIM / FWTM Efficiency Peak intensity LEDs/each optic | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White mts: ARA-RZ-LENS 41a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 24.0° / 58.0° 84 % 3.3 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 WIM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White mts: ARA-RZ-LENS 41a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 24.0° / 58.0° 84 % 3.3 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 C14658_BARBA Bender Wirth: 64 C14658_BARBA C14658_BARBA Bender Wirth: 64 C14658_BARBA C14658_B | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White white MRA-RZ-LENS 41a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 24.0° / 58.0° 84 % 3.3 cd/lm 1 White ints: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 WIM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White I White White EDS LUXEON CX Plus CoB S01 (Gen2) 24.0° / 58.0° 84 % 3.3 cd/lm 1 White I Standard Standard Standa | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 64 CI4658_BARBA Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA | LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 64.0° 84 % 2.7 cd/lm 1 White I White White EDS LUXEON CX Plus CoB S01 (Gen2) 24.0° / 58.0° 84 % 3.3 cd/lm 1 White I Standard Standard Standa | |



| | EDS | 30° |
|--|--|---------------------------------------|
| LED | LUXEON CX Plus CoB S01 (Gen2) | |
| FWHM / FWTM | 20.0° / 39.0° | |
| Efficiency | 91 % | 00° 1000 |
| Peak intensity | 5.1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 97 |
| Required compone | nts: | |
| Bender Wirth: 63 | 34c Hekla | |
| | | exp |
| | | 294 22 49 237 3 |
| | EDS | 20 |
| LED | LUXEON Fusion 21-up (20x24) | |
| FWHM / FWTM | 27.0° / 63.0° | 79 |
| Efficiency | 84 % | 60× 100 |
| Peak intensity | 2.9 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | nts: | |
| C16142_HEKLA | -SOCKET-K | 2000 |
| C14658_BARBA | ARA-RZ-LENS | |
| Bender Wirth: 44 | 42 Typ L8 | 34 |
| PHILIF |)C | |
| LED | | |
| FWHM / FWTM | Fortimo SLM L09 CoB 27.0° / 64.0° | |
| Efficiency | 88 % | |
| Peak intensity | 2.9 cd/lm | |
| LEDs/each optic | 1 | |
| | White | g. 200 |
| LIVERT COROLLE | | |
| Light colour Required compone | | |
| Required compone | nts: | |
| Required compone F15858_HEKLA | nts: -SOCKET-H | |
| Required compone | nts: -SOCKET-H | 300 |
| Required compone F15858_HEKLA C14658_BARBA | nts: -SOCKET-H JRA-RZ-LENS | |
| Required compone F15858_HEKLA C14658_BARBA | nts: -SOCKET-H NRA-RZ-LENS | 2 ¹ 335 0 ¹ 337 |
| Required compone F15858_HEKLA C14658_BARBA | nts: -SOCKET-H JRA-RZ-LENS S Fortimo SLM L09 CoB | |
| Required compone F15858_HEKLA C14658_BARBA PHILLE LED FWHM / FWTM | nts: -SOCKET-H JRA-RZ-LENS S Fortimo SLM L09 CoB 25.0° / 53.0° | |
| Required compone F15858_HEKLA C14658_BARBA PHILLIC LED FWHM / FWTM Efficiency | nts: -SOCKET-H RA-RZ-LENS S Fortimo SLM L09 CoB 25.0° / 53.0° 92 % | 2 ¹ 335 0 ¹ 337 |
| Required compone F15858_HEKLA C14658_BARBA PHILLE LED FWHM / FWTM Efficiency Peak intensity | nts: -SOCKET-H RA-RZ-LENS S Fortimo SLM L09 CoB 25.0° / 53.0° 92 % 3.6 cd/lm | 2 ¹ 335 0 ¹ 337 |
| Required compone F15858_HEKLA C14658_BARBA PHILLE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | nts: -SOCKET-H RA-RZ-LENS Fortimo SLM L09 CoB 25.0° / 53.0° 92 % 3.6 cd/Im 1 | |
| Required compone F15858_HEKLA C14658_BARBA PHILLE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | nts: -SOCKET-H RA-RZ-LENS Fortimo SLM L09 CoB 25.0° / 53.0° 92 % 3.6 cd/lm 1 White | |
| Required compone F15858_HEKLA C14658_BARBA PHILLE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | nts: -SOCKET-H RA-RZ-LENS Fortimo SLM L09 CoB 25.0° / 53.0° 92 % 3.6 cd/lm 1 White nts: | |
| Required compone F15858_HEKLA C14658_BARBA PHILLIC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | nts: -SOCKET-H RA-RZ-LENS Fortimo SLM L09 CoB 25.0° / 53.0° 92 % 3.6 cd/lm 1 White nts: | |
| Required compone F15858_HEKLA C14658_BARBA PHILLIC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | nts: -SOCKET-H RA-RZ-LENS Fortimo SLM L09 CoB 25.0° / 53.0° 92 % 3.6 cd/lm 1 White nts: | |



| r | | | |
|--|---|--|--|
| PHILIP | S | | 90* 9 |
| LED | Fortimo SLM L13 CoB | | |
| FWHM / FWTM | 34.0° / 67.0° | | 78 |
| Efficiency | 83 % | | |
| Peak intensity | 2 cd/lm | | 60 ² |
| LEDs/each optic | 1 | | |
| Light colour | White | | 957 |
| Required componen | | | |
| C16142_HEKLA- | | | 1500 |
| C14658_BARBA | | | |
| Bender Wirth: 432 | 2 Typ L8 | | 30° 35° 0° 15° |
| PHILIP | S | | 90* |
| LED | Fortimo SLM L13 CoB | | |
| FWHM / FWTM | 33.0° / 65.0° | | |
| Efficiency | 89 % | | |
| Peak intensity | 2.3 cd/lm | | \wedge / / \wedge \wedge / |
| LEDs/each optic | 1 | | |
| Light colour | White | | g* d |
| Required componen | its: | | 169 |
| C16142_HEKLA- | | | |
| Bender Wirth: 432 | | | |
| | | | 30° 200 |
| l . | | | |
| DHIID | S | | 90.4 (32.4 (32.4 (32.4 (32.4 (32.4 (32.4 (3 |
| PHILIP | | | 200 et 100 - |
| LED | Fortimo SLM L15 CoB | | |
| LED FWHM / FWTM | Fortimo SLM L15 CoB 35.0° / 67.0° | | |
| LED FWHM / FWTM Efficiency | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % | | |
| LED FWHM / FWTM Efficiency Peak intensity | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm | | 90° - 00 90° - 00 90 90° - 00 90° - 00 90 90° - 00 90 90 90° - 00 90 90 90 90 90 90 90 90 90 90 90 90 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 433 | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White ts: SOCKET-K 2 Typ L8 | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 433 | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K 2 Typ L8 | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 433 | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K 2 Typ L8 S Fortimo SLM L15 CoB | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 433 PHILLP LED FWHM / FWTM | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K 2 Typ L8 S Fortimo SLM L15 CoB 36.0° / 69.0° | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 433 | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K 2 Typ L8 S Fortimo SLM L15 CoB 36.0° / 69.0° 83 % | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 432 PHILIP LED FWHM / FWTM Efficiency Peak intensity | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K 2 Typ L8 S Fortimo SLM L15 CoB 36.0° / 69.0° 83 % 1.8 cd/lm | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 432 PHILIP LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K 2 Typ L8 S Fortimo SLM L15 CoB 36.0° / 69.0° 83 % 1.8 cd/lm 1 | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 432 PHILLP LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K 2 Typ L8 S Fortimo SLM L15 CoB 36.0° / 69.0° 83 % 1.8 cd/lm 1 White | | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 433 PHILLP LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K 2 Typ L8 S Fortimo SLM L15 CoB 36.0° / 69.0° 83 % 1.8 cd/lm 1 White tts: SOCKET: | | 79 60 60 75 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 433 PHILLP LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K 2 Typ L8 S Fortimo SLM L15 CoB 36.0° / 69.0° 83 % 1.8 cd/lm 1 White tts: SOCKET-K | | 79 60 60 75 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA- Bender Wirth: 433 PHILLP LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen | Fortimo SLM L15 CoB 35.0° / 67.0° 88 % 2.1 cd/lm 1 White tts: SOCKET-K 2 Typ L8 S Fortimo SLM L15 CoB 36.0° / 69.0° 83 % 1.8 cd/lm 1 White tts: SOCKET-K RA-RZ-LENS | | 77 61 61 - 00 - 120 - 120 |



| SAMS | UNG | 55* |
|--|---|--|
| LED | LC003D / LC006D / LC009D / LC013D | |
| FWHM / FWTM | 25.0° / 52.0° | 7 |
| Efficiency | 92 % | |
| Peak intensity | 3.6 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | a. |
| Required compone | ents: | |
| F15255_HEKLA | A-SOCKET-C | |
| | | |
| | | 304 157 June 157 |
| SAMS | UNG | »* |
| LED | LC010C G2 | |
| FWHM / FWTM | 18.0° / 38.0° | |
| Efficiency | 92 % | 60 ⁴ |
| Peak intensity | 5.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | at 200 |
| Required compone | ents: | |
| F15255_HEKLA | A-SOCKET-C | |
| | | 400 |
| | | 30 ⁴ 10 ⁷ 0 ⁴ 10 ⁵ |
| SAMS | UNG | 36° |
| | | |
| LED | | |
| LED | LC020T (Tunable white) 33.0° / 67.0° | 7 |
| LED FWHM / FWTM | LC020T (Tunable white) | |
| | LC020T (Tunable white) 33.0° / 67.0° | 75 |
| LED FWHM / FWTM Efficiency Peak intensity | LC020T (Tunable white) 33.0° / 67.0° 83 % | 25- 05 ⁻ - 00 - |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm | 25- 95- 00- 57- |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White | 55 61 57 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 5 | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 5 | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 UNG | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 5 | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 UNG LC020T (Tunable white) | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 5 | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 UNG LC020T (Tunable white) 31.0° / 64.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB, Bender Wirth: 5 SAMSS LED FWHM / FWTM Efficiency Peak intensity | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 UNG LC020T (Tunable white) 31.0° / 64.0° 88 % | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 5 SAMSI LED FWHM / FWTM Efficiency | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 UNC LC020T (Tunable white) 31.0° / 64.0° 88 % 2.5 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 5 SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 UNC LC020T (Tunable white) 31.0° / 64.0° 88 % 2.5 cd/lm 1 Tunable White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB, Bender Wirth: 5 SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 UNC LC020T (Tunable white) 31.0° / 64.0° 88 % 2.5 cd/lm 1 Tunable White ents: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB, Bender Wirth: 5 SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 UNC LC020T (Tunable white) 31.0° / 64.0° 88 % 2.5 cd/lm 1 Tunable White ents: A-SOCKET-K | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB, Bender Wirth: 5 SAMS ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ | LC020T (Tunable white) 33.0° / 67.0° 83 % 2.1 cd/lm 1 Tunable White ents: A-SOCKET-K ARA-RZ-LENS 01 Typ L8 UNC LC020T (Tunable white) 31.0° / 64.0° 88 % 2.5 cd/lm 1 Tunable White ents: A-SOCKET-K | |



| TRIDON | | |
|--|--|--|
| TRIDON | | <u>90*</u> |
| LED | SLE G7 LES09 | 75 |
| FWHM / FWTM | 26.0° / 63.0° | |
| Efficiency | 90 % | 61 ⁴ |
| Peak intensity | 3.1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | gi de la companya de |
| Required compone | | 200 |
| F15255_HEKLA | | |
| C14658_BARBA | ARA-RZ-LENS | xi ⁴ xi ₂ |
| TRIDON | | 10 ⁴ 0 ⁴ 12 ⁴ |
| LED | | |
| LED FWHM / FWTM | SLE G7 LES09 | |
| Efficiency | 24.0° / 50.0° 94 % | |
| Peak intensity | 94 % 3.9 cd/lm | 60° |
| LEDs/each optic | 1 | |
| Light colour | White | br br |
| Required compone | | |
| F15255_HEKLA | | |
| T TOZOS_TIEREA | -SOCKET-C | |
| | | |
| | | 30 ¹⁰ 4000 30 ¹⁰ 15 ¹⁰ 0 ¹⁰ 15 ¹⁰ |
| | | |
| TRIDOM | | 90* |
| TRIDON | | 20* |
| LED | SLE G7 LES13 | 99* P* |
| LED FWHM / FWTM | SLE G7 LES13 30.0° / 64.0° | 20× 30 |
| LED FWHM / FWTM Efficiency | SLE G7 LES13 30.0° / 64.0° 91 % | |
| LED FWHM / FWTM Efficiency Peak intensity | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White | 994 99 72 604 000 00 900 00000000 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White ents: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White ents: | 94 97 97 97 97 97 97 97 97 97 97 97 97 97 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White ents: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White ents: -SOCKET-I | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White ents: -SOCKET-I | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White ents: -SOCKET-I | 300 300 300 300 300 300 300 300 300 300 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White white SOCKET-I | 200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White ents: -SOCKET-I SIEC SLE G7 LES13 | 200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White ents: -SOCKET-I SLE G7 LES13 32.0° / 67.0° | 200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA TRIDON LED FWHM / FWTM Efficiency | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White ents: -SOCKET-I SLE G7 LES13 32.0° / 67.0° 84 % | 300 300 300 300 300 300 300 300 300 300 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA TRIDON LED FWHM / FWTM Efficiency Peak intensity | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White onts: -SOCKET-I SLE G7 LES13 32.0° / 67.0° 84 % 2.2 cd/lm | 300 300 300 300 300 300 300 300 300 300 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White onts: -SOCKET-I SLE G7 LES13 32.0° / 67.0° 84 % 2.2 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White white SOCKET-I SOCKET-I SLE G7 LES13 32.0° / 67.0° 84 % 2.2 cd/lm 1 White white stresses SLE G7 LES13 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White white SOCKET-I SLE G7 LES13 32.0° / 67.0° 84 % 2.2 cd/lm 1 White ents: -SOCKET-I | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA | SLE G7 LES13 30.0° / 64.0° 91 % 2.7 cd/lm 1 White white SOCKET-I SLE G7 LES13 32.0° / 67.0° 84 % 2.2 cd/lm 1 White ents: -SOCKET-I | |



| TRIDOM | AIC | 35* 39" |
|---|---|---|
| LED | SLE G7 LES15 | |
| FWHM / FWTM | 32.0° / 66.0° | |
| Efficiency | 91 % | |
| Peak intensity | 2.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | g, . |
| Required compone | | |
| F15859_HEKLA | | |
| _ | | |
| | | 200 × 200 |
| XICATO |) | 25° 0° 25° 90° 0 |
| LED | XOB 14.5 mm | |
| EED FWHM / FWTM | 30.0° / 65.0° | |
| Efficiency | 92 % | |
| Peak intensity | 92 % 2.6 cd/lm | eger la |
| LEDs/each optic | 1 | |
| Light colour | White | g- 100 - 5 |
| Required compone | | |
| F15859_HEKLA | | |
| T 13033_HEREA | | |
| | | |
| | | 30° 0° 35' 0° 15° |
| XICATO |) | 50 ³ |
| LED | XOB 6 mm | |
| | 23.0° / 55.0° | |
| | | |
| FWHM / FWTM Efficiency | 86 % | |
| Efficiency | | |
| Efficiency Peak intensity LEDs/each optic | 86 % | 60- 300 |
| Efficiency Peak intensity LEDs/each optic | 86 % 3.6 cd/lm | c. |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone | 86 % 3.6 cd/lm 1 White ents: | |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | 86 % 3.6 cd/lm 1 White ents: N-SOCKET-C | 5 ⁵ 259 |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone | 86 % 3.6 cd/lm 1 White ents: N-SOCKET-C | <i>v</i> . <i>v</i> . |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | 86 % 3.6 cd/lm 1 White ents: N-SOCKET-C | e ⁻ 209 |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/ | 86 % 3.6 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS | e |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/ | 86 % 3.6 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS | |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/ | 86 % 3.6 cd/lm 1 White ents: SOCKET-C ARA-RZ-LENS | |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/ | 86 % 3.6 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS | |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA | 86 % 3.6 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS XOB 6 mm 18.0° / 39.0° | |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/ Efficiency Peak intensity | 86 % 3.6 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS XOB 6 mm 18.0° / 39.0° 90 % | |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/ ENCATCC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 86 % 3.6 cd/lm 1 White ents: A-SOCKET-C ARA-RZ-LENS XOB 6 mm 18.0° / 39.0° 90 % 5.1 cd/lm | |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/ Efficiency | 86 % 3.6 cd/lm 1 White ents: A-SOCKET-C ARA-RZ-LENS XOB 6 mm 18.0° / 39.0° 90 % 5.1 cd/lm 1 White | |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/ XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 86 % 3.6 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS XOB 6 mm 18.0° / 39.0° 90 % 5.1 cd/lm 1 White ents: | |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/ XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 86 % 3.6 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS XOB 6 mm 18.0° / 39.0° 90 % 5.1 cd/lm 1 White ents: | |
| Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/ XICATC ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | 86 % 3.6 cd/lm 1 White ents: -SOCKET-C ARA-RZ-LENS XOB 6 mm 18.0° / 39.0° 90 % 5.1 cd/lm 1 White ents: | |



| XICATO |) | 90 ⁴ 97 |
|------------------|----------------------|--------------------|
| LED | XOB 9.8 mm | |
| FWHM / FWTM | 24.0° / 50.5 + 51.0° | |
| Efficiency | 92 % | |
| Peak intensity | 3.8 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | gr 300 6r |
| Required compone | ents: | |
| F15255_HEKLA | A-SOCKET-C | 200 |
| | | |
| | | 30 31 |
| | | 15" 0" 15" |



PHOTOMETRIC DATA (SIMULATED):

| bridgelux. | | 50* | 30* |
|----------------------|----------------------|---------------------|-----------------------------------|
| LED | VERO10 | 75 | $2 \wedge + *$ |
| FWHM / FWTM | 24.0° / 53.0° | | |
| Efficiency | 89 % | 691 | |
| Peak intensity | 3.6 cd/lm | | 1630 |
| LEDs/each optic | 1 | | |
| Light colour | White | ar - | 45* |
| Required components: | | | |
| F15616_HEKLA-SC | OCKET-F | | |
| | | | |
| | | 30' 123 | 0° 3° |
| bridgelux. | | 55* | 90* |
| LED | VERO13 | 147 | $\lambda \land \land \land \land$ |
| FWHM / FWTM | 31.0° / 63.0° | 72 | |
| Efficiency | 83 % | | |
| Peak intensity | 2.4 cd/lm | | 1600 |
| LEDs/each optic | 1 | | |
| Light colour | White | | 43. |
| Required components: | | | |
| C16142_HEKLA-SC | OCKET-K | | |
| | | | |
| | | 30 ⁴ 427 | 0° 35° 30° |
| bridgelux. | | 90 ⁴ | 90* |
| LED | Vesta DTW 15mm (33W) | | |
| FWHM / FWTM | 30.0° / 64.0° | 3 | $\lambda / \wedge 7$ |
| Efficiency | 87 % | 607 | B00 60" |
| Peak intensity | 2.7 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | 97- | 454 |
| Required components: | | | |
| C16142_HEKLA-SC | | | |
| Bender Wirth: 491 T | yp L8 | | 2430 |
| | | 30° | , 0° 72° 3°. |
| Μ ΝΙCΗΙΛ | | | |
| LED | COB L-Type (LES 11) | | |
| FWHM / FWTM | 26.0° / 61.0° | | |
| Efficiency | 90 % | | |
| Peak intensity | 3.2 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required components: | | | |
| F15858_HEKLA-SC | OCKET-H | | |
| | | | |
| | | | |
| | | | |



PHOTOMETRIC DATA (SIMULATED):

ΜΝΙCΗΙΛ

 LED
 COB L-Type (LES 9)

 FWHM / FWTM
 22.0° / 51.0°

 Efficiency
 90 %

 Peak intensity
 4 cd/Image

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 F15858_HEKLA-SOCKET-H



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

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