

AMY-70-W-C

~36° wide beam. Assembly with holder C compatible with LEDiL HEKLA. Black version.

SPECIFICATION:

| | |
|----------------|-----------|
| Dimensions | Ø 69.9 mm |
| Height | 16.9 mm |
| Fastening | socket |
| ROHS compliant | yes ⓘ |

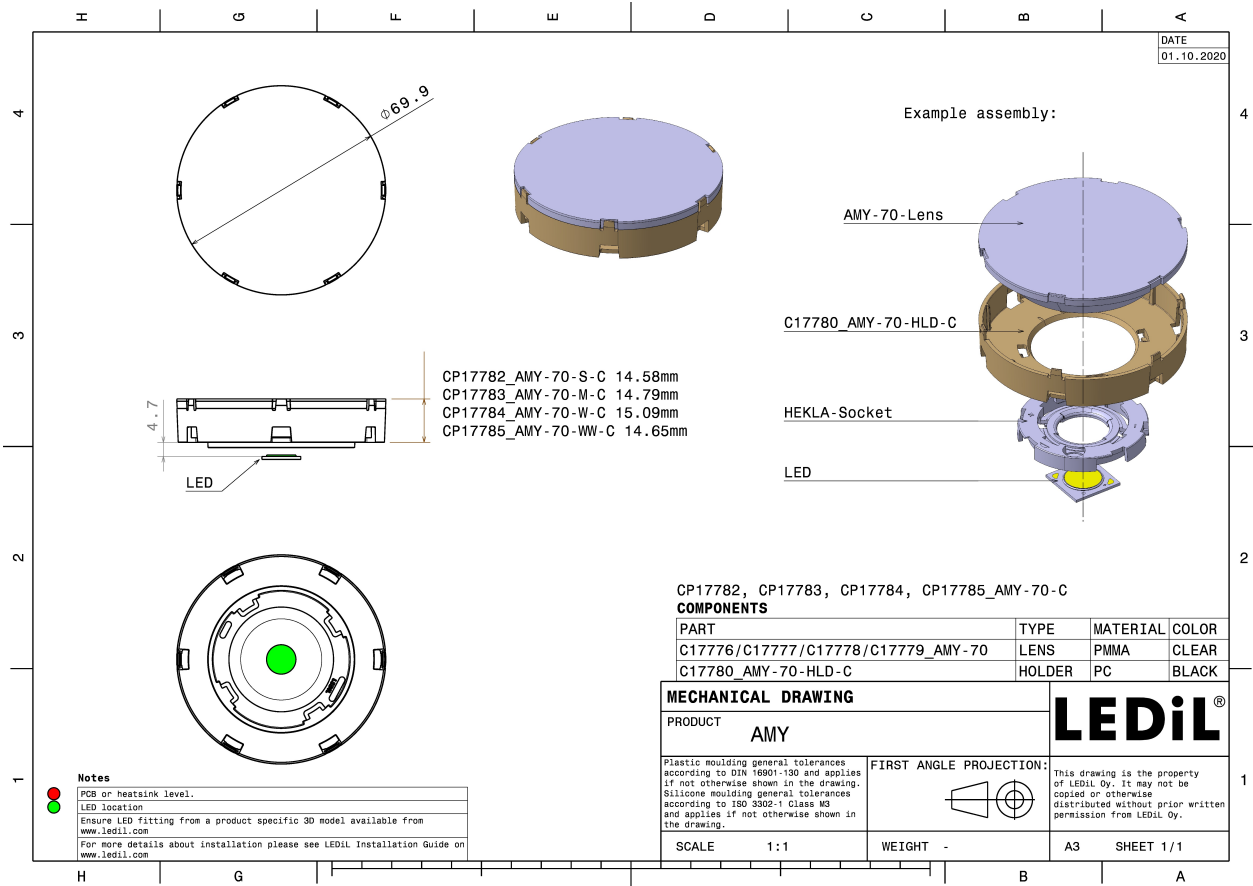
MATERIALS:

| Component | Type | Material | Colour | Finish |
|--------------|-------------|----------|--------|--------|
| AMY-70-W | Single lens | PMMA | | |
| AMY-70-HLD-C | Holder | PC | black | |

ORDERING INFORMATION:



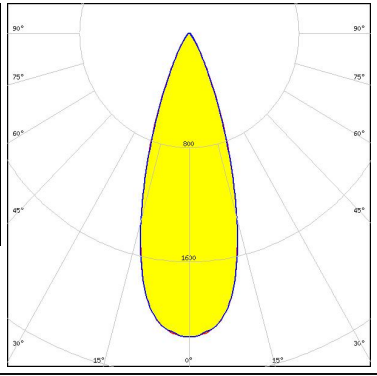


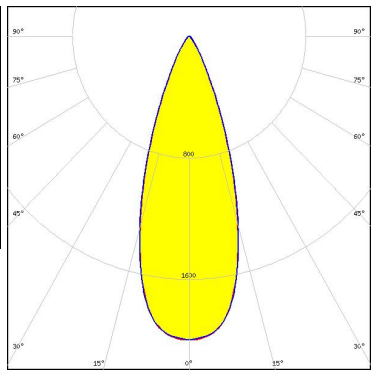


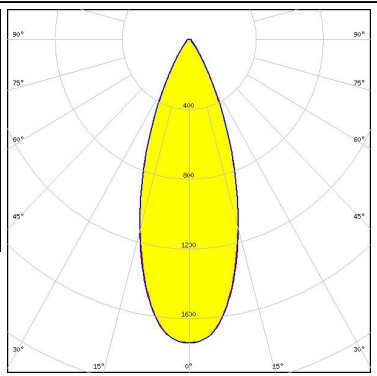


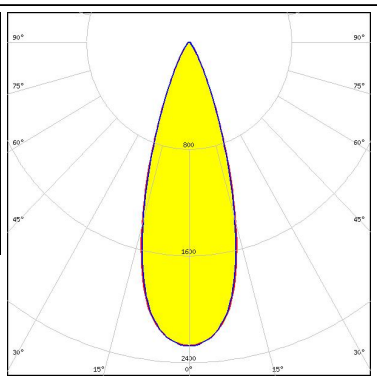
| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|------------|-----|-----|-----------------|
| CP17784_AMY-70-W-C » Box size: 480 x 280 x 300 mm | 210 | 210 | 15 | 8.4 |





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

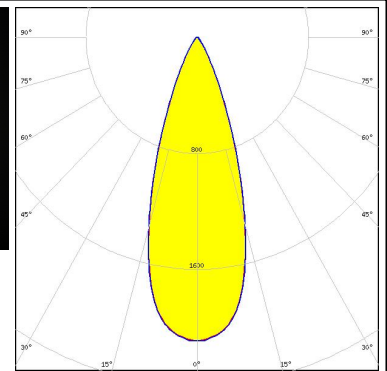
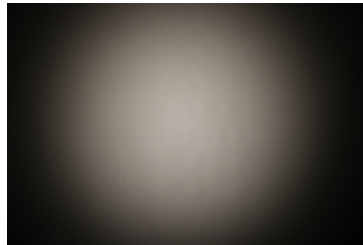
OPTICAL RESULTS (MEASURED):

| | | |
|--|--|---|
| <p></p> <p>LED V10 Gen 8 FWHM / FWTM 35.0° / 59.0° Efficiency 90 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p> |  |  |
| <p></p> <p>LED V11 HD Gen 8 FWHM / FWTM 36.0° / 60.0° Efficiency 88 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 633d Hekla</p> |  |  |
| <p></p> <p>LED V13 Gen 8 FWHM / FWTM 38.0° / 66.0° Efficiency 87 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p> |  |  |
| <p></p> <p>LED V8 Gen 8 FWHM / FWTM 34.0° / 58.0° Efficiency 91 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A</p> |  |  |

OPTICAL RESULTS (MEASURED):

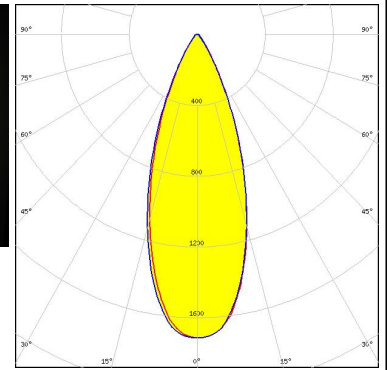
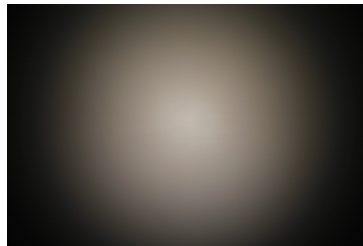
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 35.0° / 59.0°
 Efficiency 88 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



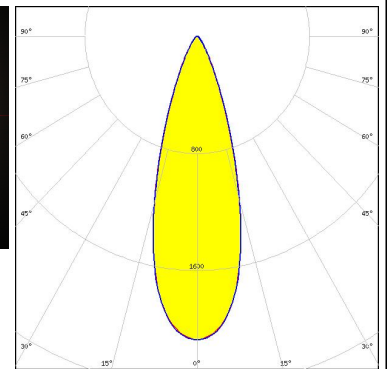
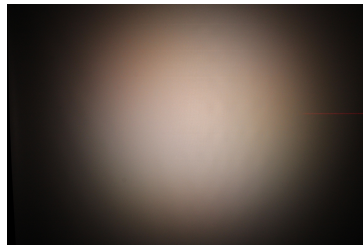
CREE LED

LED CMU15xx
 FWHM / FWTM 38.0° / 66.0°
 Efficiency 86 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



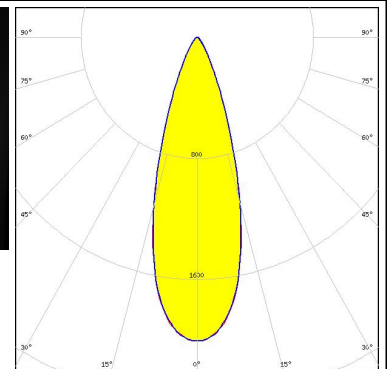
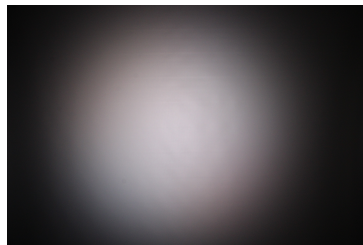
LUMILEDS

LED LUXEON Fusion 12-up (20x24)
 FWHM / FWTM 33.0° / 58.0°
 Efficiency 82 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 12
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 F18158_HEKLA-RZ-LENS
 Bender Wirth: 442 Typ L8


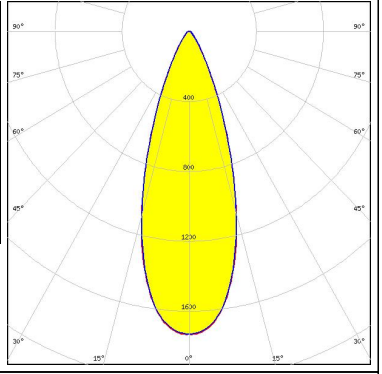
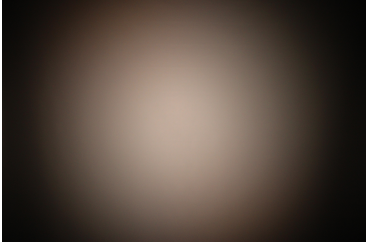
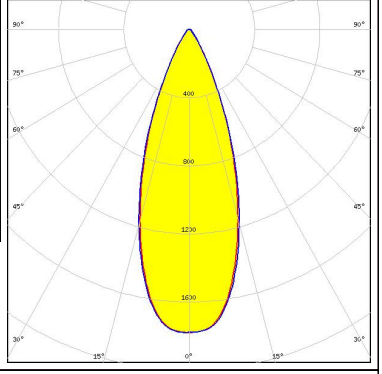
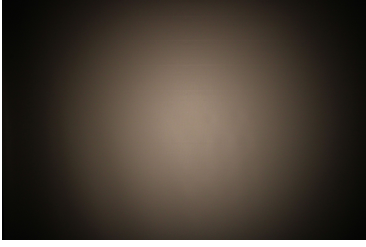
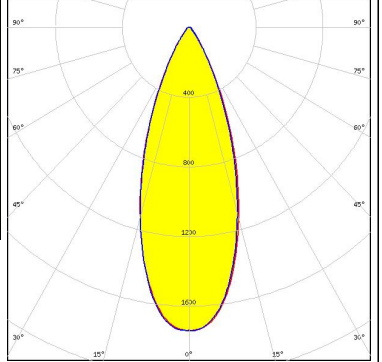


LUMILEDS


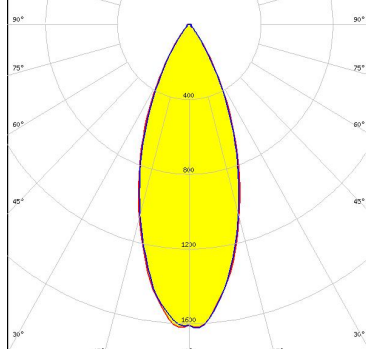

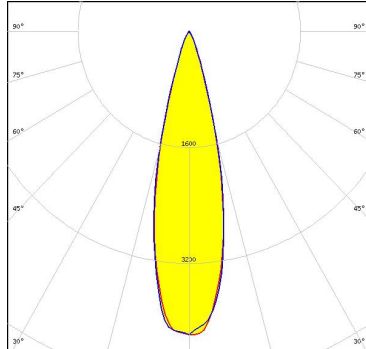

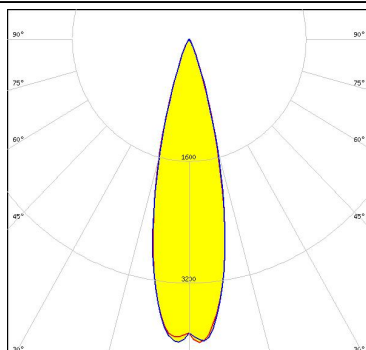

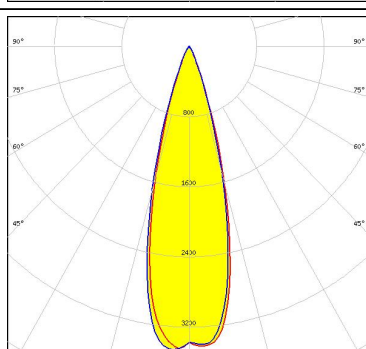
LED LUXEON Fusion 21-up (20x24)
 FWHM / FWTM 33.0° / 59.0°
 Efficiency 81 %
 Peak intensity 2 cd/lm
 LEDs/each optic 21
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 F18158_HEKLA-RZ-LENS
 Bender Wirth: 442 Typ L8



OPTICAL RESULTS (MEASURED):

| | | |
|---|--|---|
| <p>LUMILEDS</p> <p>LED LUXEON Fusion 27-up (20x24)</p> <p>FWHM / FWTM 36.0° / 63.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 27</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K F18158_HEKLA-RZ-LENS Bender Wirth: 442 Typ L8</p> |  |  |
| <p>LUMINUS</p> <p>LED CTM-14 (Tunable White) Gen2</p> <p>FWHM / FWTM 38.0° / 64.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 442 Typ L8</p> |  |  |
| <p>SAMSUNG</p> <p>LED LC016D / LC019D / LC026D / LC033D</p> <p>FWHM / FWTM 38.0° / 66.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p> |  |  |

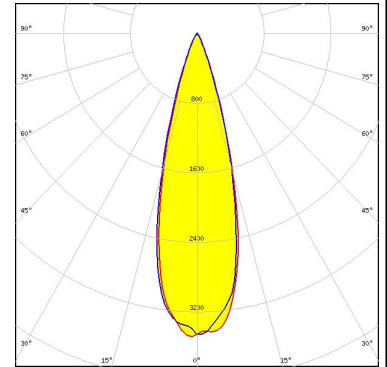
OPTICAL RESULTS (SIMULATED):

| | |
|--|---|
| <p></p> <p>LED V18 Gen 8 FWHM / FWTM 40.0° / 70.0° Efficiency 85 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 639b Hekla XL</p> |  |
| <p></p> <p>LED V3 HD Gen 8 FWHM / FWTM 26.0° / 42.0° Efficiency 93 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A</p> |  |
| <p></p> <p>LED V4 HD Gen 8 FWHM / FWTM 26.0° / 44.0° Efficiency 93 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A</p> |  |
| <p></p> <p>LED V6 Gen 8 FWHM / FWTM 29.0° / 46.0° Efficiency 93 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A</p> |  |

OPTICAL RESULTS (SIMULATED):

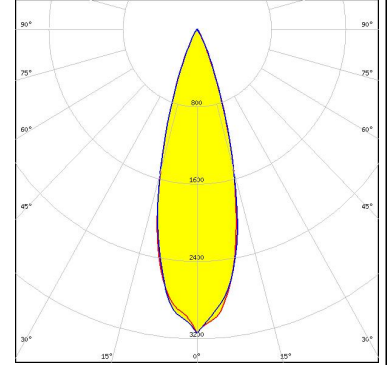
bridgelux.

LED V6 HD Gen 8
 FWHM / FWTM 29.0 + 28.0° / 46.0°
 Efficiency 92 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



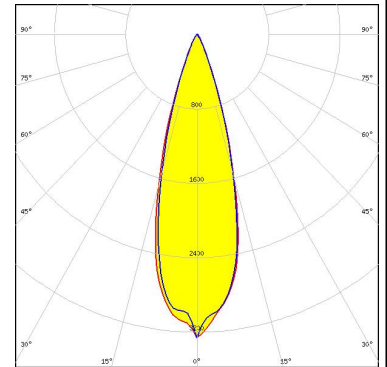
bridgelux.

LED V8 Gen7
 FWHM / FWTM 30.0° / 50.0°
 Efficiency 90 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15253_HEKLA-SOCKET-A



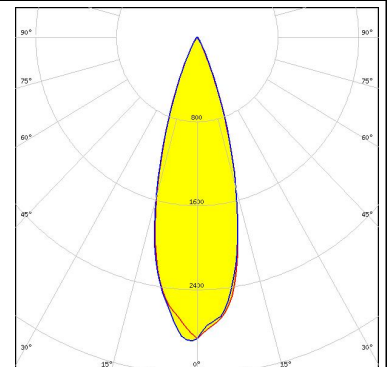
bridgelux.

LED V9 HD Gen 8
 FWHM / FWTM 30.0 + 29.0° / 48.0°
 Efficiency 91 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I


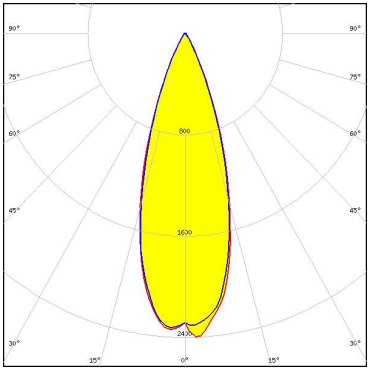

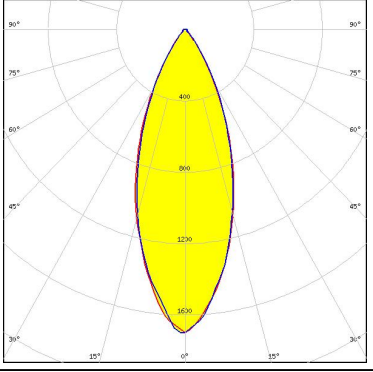

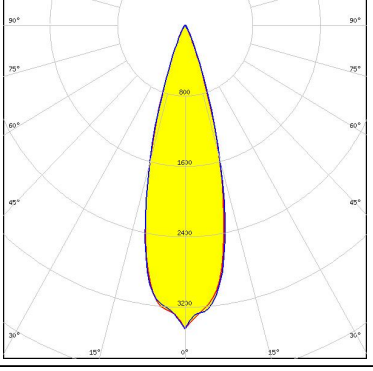

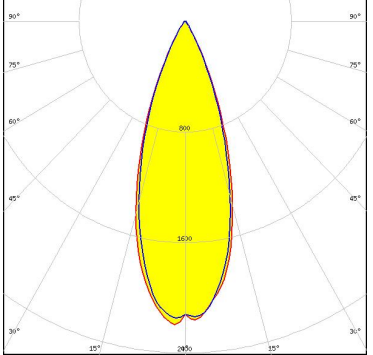


bridgelux.


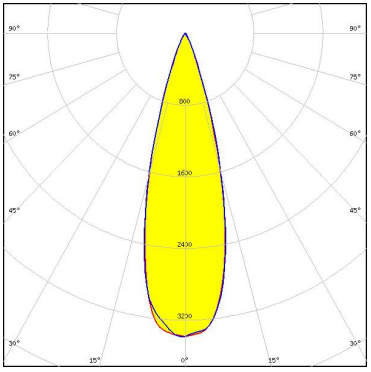

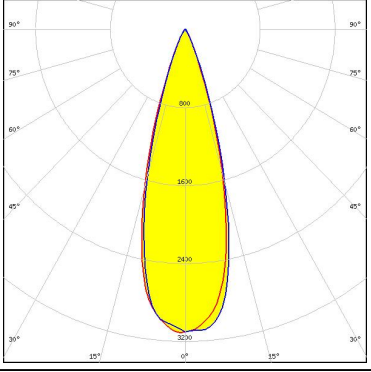

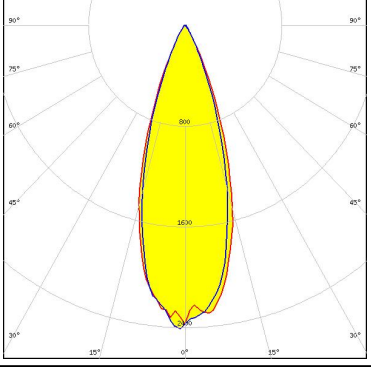

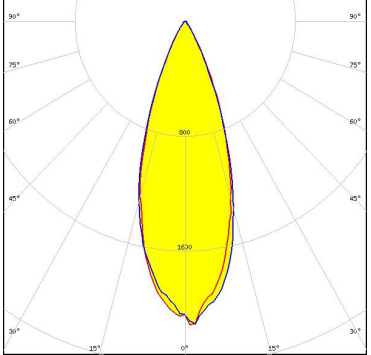
LED VERO10
 FWHM / FWTM 31.0° / 52.0°
 Efficiency 89 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15616_HEKLA-SOCKET-F




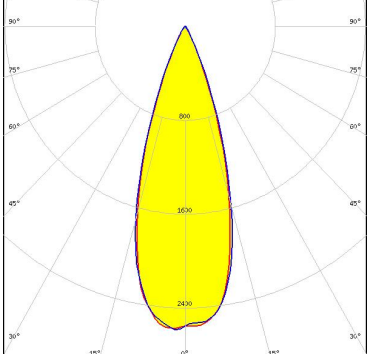
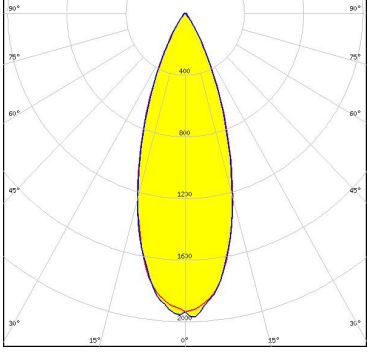
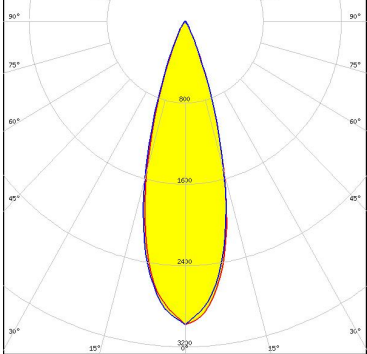
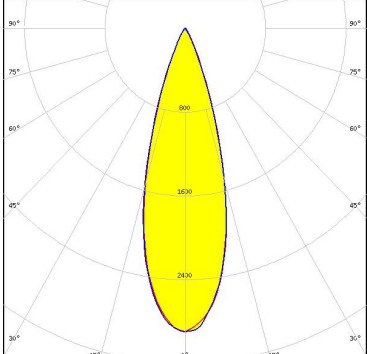
OPTICAL RESULTS (SIMULATED):

| | |
|--|---|
| <p></p> <p>LED VERO13</p> <p>FWHM / FWTM 34.0° / 56.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p> |  |
| <p></p> <p>LED VERO18</p> <p>FWHM / FWTM 39.0 + 38.0° / 70.0 + 71.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p> |  |
| <p></p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM / FWTM 28.0 + 29.0° / 46.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 3.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632b Hekla XL</p> |  |
| <p></p> <p>LED Vesta DTW 15mm (33W)</p> <p>FWHM / FWTM 36.0 + 35.0° / 60.0 + 59.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632b Hekla XL</p> |  |

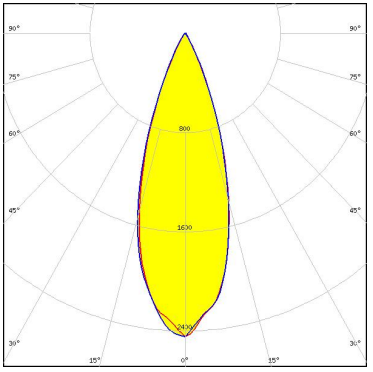
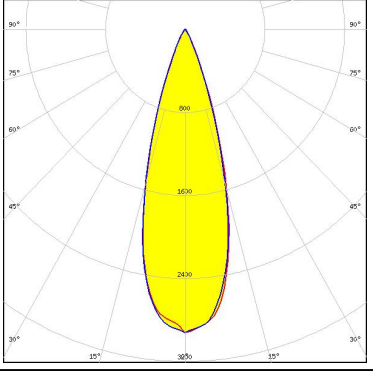
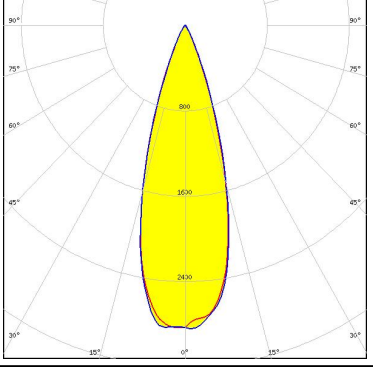
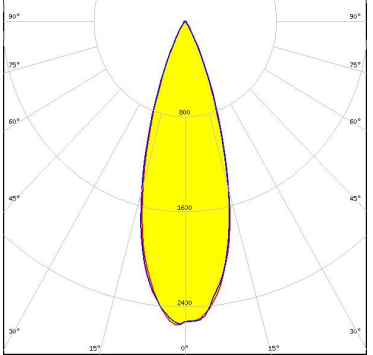
OPTICAL RESULTS (SIMULATED):

| | |
|---|---|
| <p></p> <p>LED Vesta DTW 6mm</p> <p>FWHM / FWTM 30.0° / 46.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 3.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 652b Hekla</p> |  |
| <p></p> <p>LED Vesta DTW 9mm (4W/6W/12W)</p> <p>FWHM / FWTM 30.0 + 31.0° / 48.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 3.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 652b Hekla</p> |  |
| <p></p> <p>LED Vesta TW 13mm (18W) DP</p> <p>FWHM / FWTM 35.0 + 32.0° / 57.0 + 56.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 492 Typ L8</p> |  |
| <p></p> <p>LED Vesta TW 15mm DP</p> <p>FWHM / FWTM 35.0 + 36.0° / 61.0 + 60.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 482 Typ L8</p> |  |

OPTICAL RESULTS (SIMULATED):

| | |
|---|---|
| <p></p> <p>LED Vesta TW 9mm (9W) DP</p> <p>FWHM / FWTM 34.0 + 35.0° / 53.0 + 54.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8</p> |  |
| <p>CITIZEN</p> <p>LED CLL03x/CLU03x</p> <p>FWHM / FWTM 36.0° / 64.0 + 63.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p> |  |
| <p>CITIZEN</p> <p>LED CLU700/701/702/703</p> <p>FWHM / FWTM 30.0 + 31.0° / 50.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p> |  |
| <p>CITIZEN</p> <p>LED CLU700/701/702/703</p> <p>FWHM / FWTM 30.0 + 31.0° / 52.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p> |  |

OPTICAL RESULTS (SIMULATED):

| | |
|---|---|
| <p>CREE → LED</p> <p>LED: CMA1825 FWHM / FWTM: 35.0° / 56.0° Efficiency: 89 % Peak intensity: 2.5 cd/lm LEDs/each optic: 1 Light colour: White Required components: F15254_HEKLA-SOCKET-B</p> |  |
| <p>CREE → LED</p> <p>LED: CMT14xx FWHM / FWTM: 31.0° / 50.0° Efficiency: 89 % Peak intensity: 2.9 cd/lm LEDs/each optic: 1 Light colour: White Required components: F17435_HEKLA-G2-C</p> |  |
| <p>CREE → LED</p> <p>LED: CMU10xx FWHM / FWTM: 32.0° / 50.0° Efficiency: 90 % Peak intensity: 2.9 cd/lm LEDs/each optic: 1 Light colour: White Required components: F17435_HEKLA-G2-C</p> |  |
| <p>CREE → LED</p> <p>LED: CXA/B 15xx FWHM / FWTM: 33.0 + 32.0° / 54.0 + 55.0° Efficiency: 88 % Peak intensity: 2.6 cd/lm LEDs/each optic: 1 Light colour: White Required components: F15256_HEKLA-SOCKET-D</p> |  |

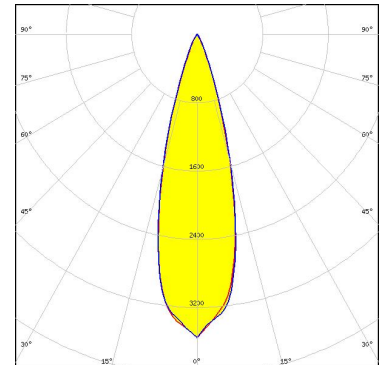
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM / FWTM 32.0° / 50.0°
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H

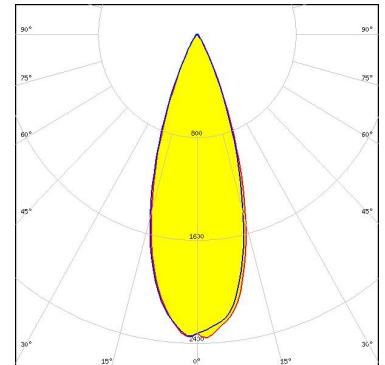
LUMILEDS

LED LUXEON CoB 1202HD
 FWHM / FWTM 28.0° / 46.0°
 Efficiency 92 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



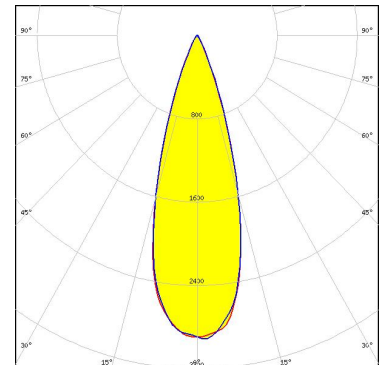
LUMILEDS

LED LUXEON CoB 1204/1205
 FWHM / FWTM 35.0° / 57.0 + 56.0°
 Efficiency 91 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 632a Hekla XL



LUMILEDS

LED LUXEON CoB 1204HD
 FWHM / FWTM 32.0° / 50.0°
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



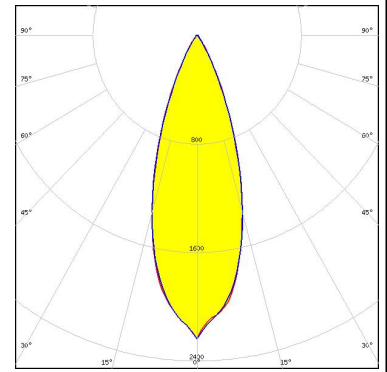
OPTICAL RESULTS (SIMULATED):

| | |
|--|--|
| <p>LUMILEDS</p> <p>LED: LUXEON CoB 1205HD</p> <p>FWHM / FWTM: 34.0 + 32.0° / 54.0°</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 2.7 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p> | |
| <p>LUMILEDS</p> <p>LED: LUXEON CoB 1208</p> <p>FWHM / FWTM: 34.0 + 35.0° / 59.0°</p> <p>Efficiency: 90 %</p> <p>Peak intensity: 2.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components: Bender Wirth: 632a Hekla XL</p> | |
| <p>LUMILEDS</p> <p>LED: LUXEON CX Plus CoB - HD S04H9</p> <p>FWHM / FWTM: 32.0° / 51.0°</p> <p>Efficiency: 89 %</p> <p>Peak intensity: 2.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p> | |
| <p>NICHIA</p> <p>LED: COB L-Type (LES 11)</p> <p>FWHM / FWTM: 33.0° / 56.0°</p> <p>Efficiency: 89 %</p> <p>Peak intensity: 2.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components: F17437_HEKLA-G2-H</p> | |

OPTICAL RESULTS (SIMULATED):

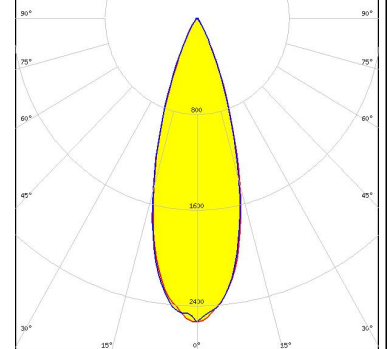
PHILIPS

LED Fortimo SLM L15 CoB
 FWHM / FWTM 34.0° / 60.0°
 Efficiency 89 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 632a Hekla XL



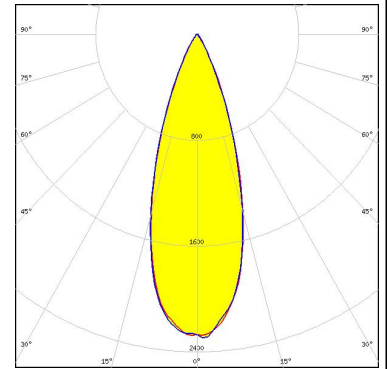
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 32.0 + 33.0° / 56.0°
 Efficiency 90 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



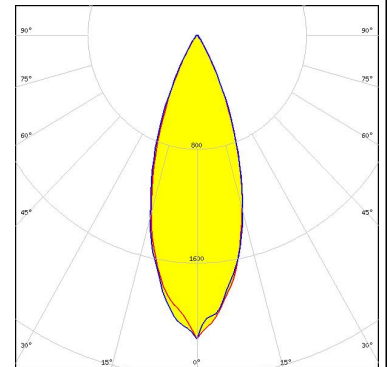
SAMSUNG

LED LC020T (Tunable white)
 FWHM / FWTM 34.0° / 58.0°
 Efficiency 89 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



SEOUL SEMICONDUCTOR

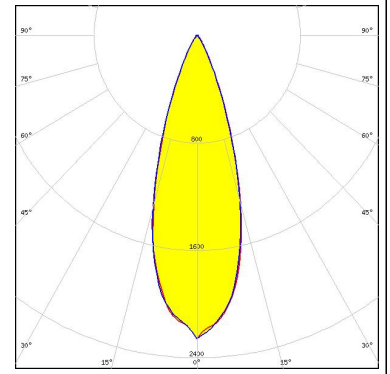
LED MJT COB LES 14.5
 FWHM / FWTM 36.0° / 61.0°
 Efficiency 88 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



OPTICAL RESULTS (SIMULATED):

XICATO

| | |
|----------------------|-------------------|
| LED | XOB 14.5 mm |
| FWHM / FWTM | 33.0° / 56.0° |
| Efficiency | 81 % |
| Peak intensity | 2.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
| | F17438_HEKLA-G2-I |



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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