

RONDA-O-C

~50° + 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:

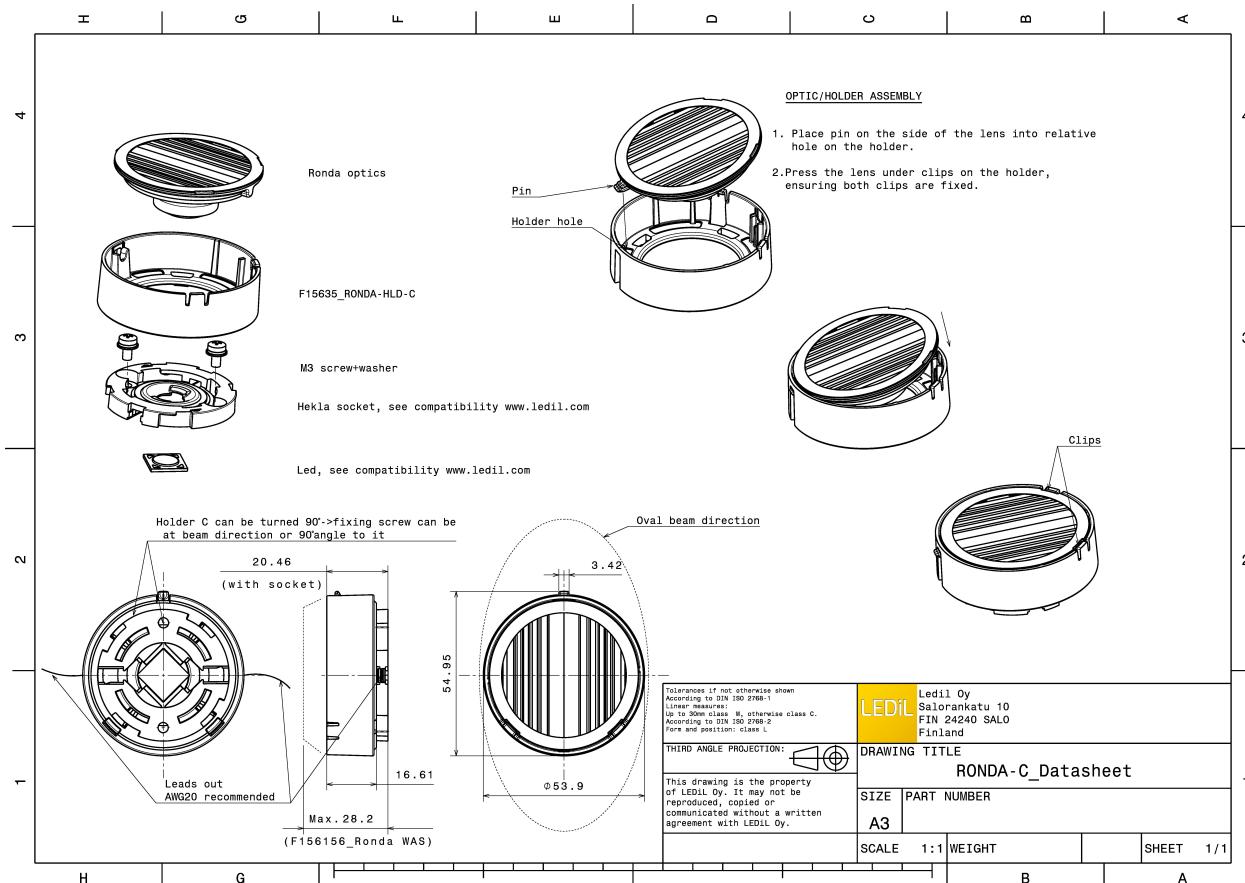
| Component | Type | Material | Colour | Finish |
|--------------------|-------------|----------|--------|--------|
| F15990_RONDA-O | Single lens | PMMA | clear | |
| F15635_RONDA-HLD-C | Holder | PC | white | |

ORDERING INFORMATION:

Quantities for one set:

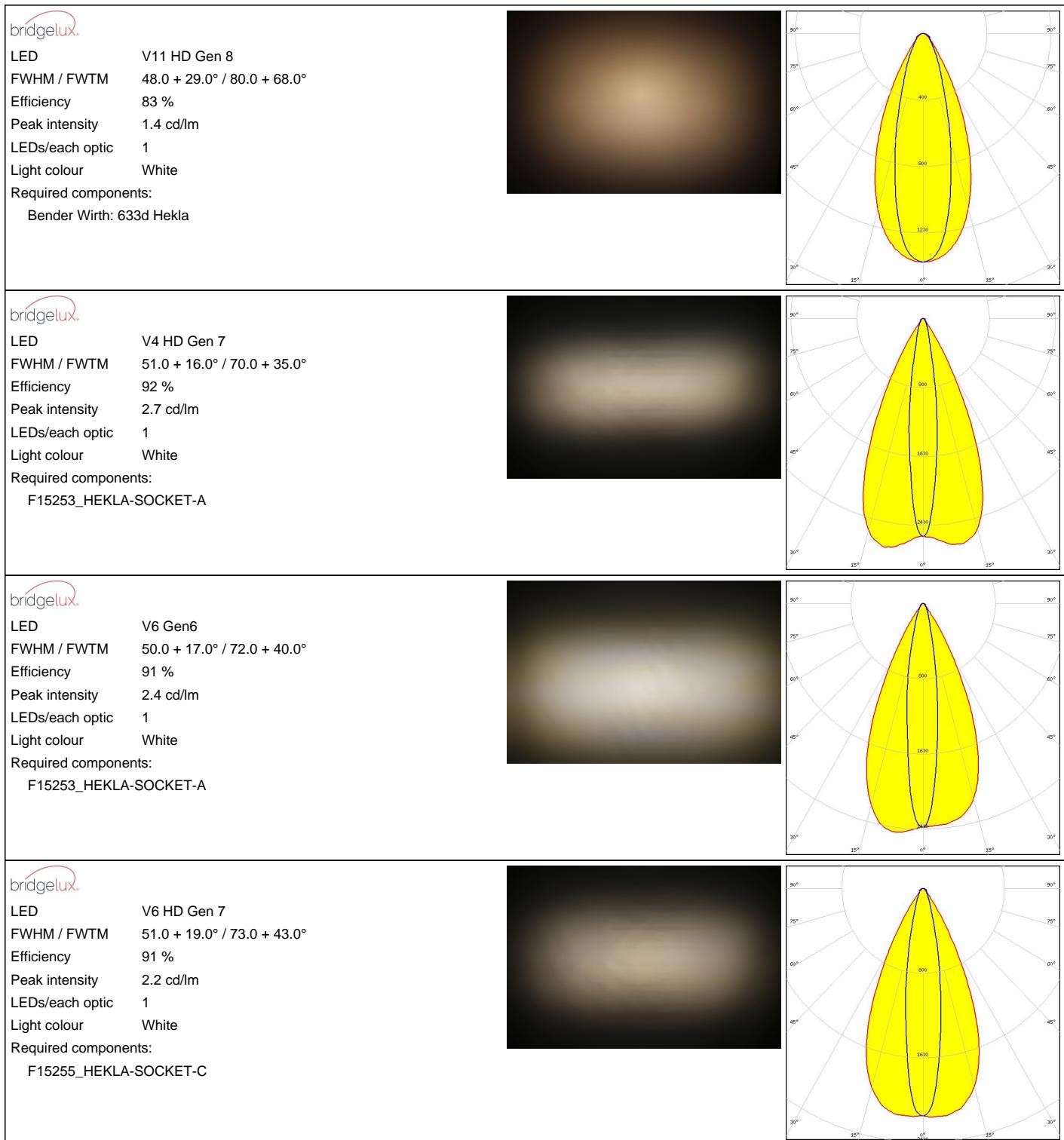
| | |
|-------------|---|
| Single lens | 1 |
| Holder | 1 |

| 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 |

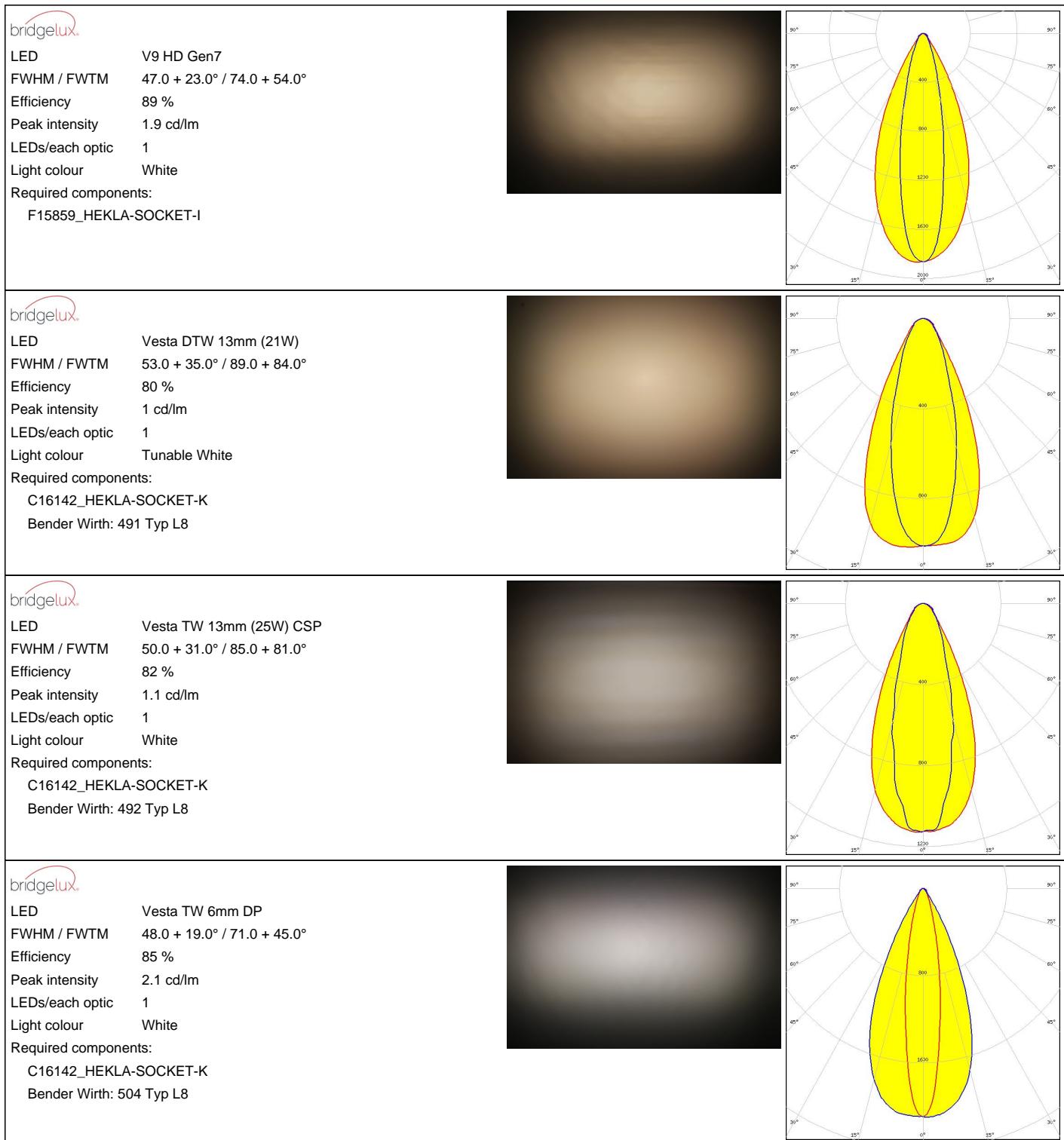


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



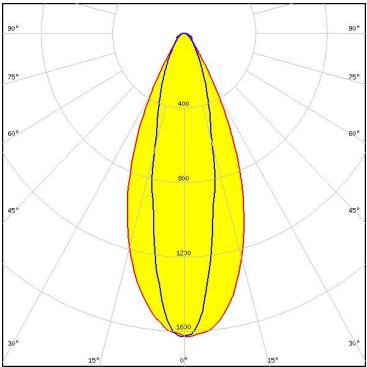
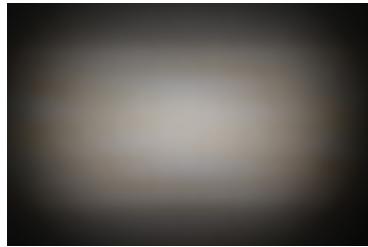
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

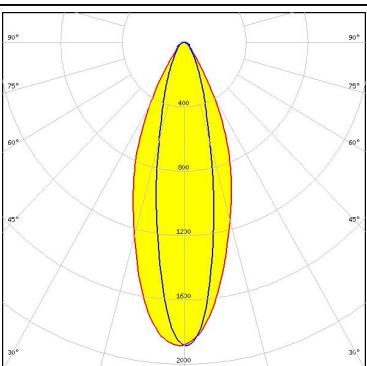


| | |
|----------------------|-----------------------------|
| LED | Vesta TW 9mm (12W) CSP |
| FWHM / FWTM | 44.0 + 25.0° / 73.0 + 64.0° |
| Efficiency | 85 % |
| Peak intensity | 1.6 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
| | C16142_HEKLA-SOCKET-K |



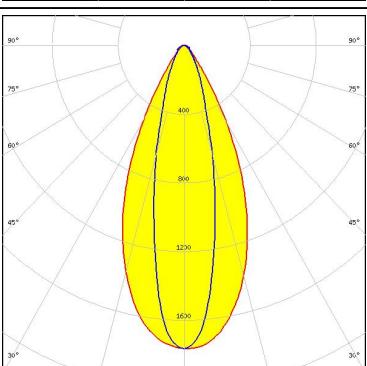
CITIZEN

| | |
|----------------------|-----------------------------|
| 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 components: | |
| | C16142_HEKLA-SOCKET-K |



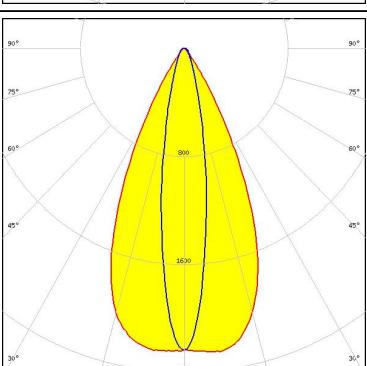
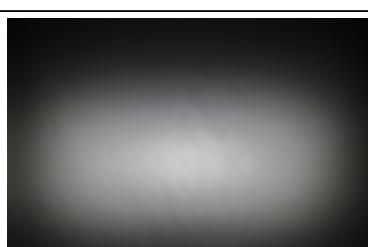
CITIZEN

| | |
|----------------------|-----------------------------|
| LED | CLL02x/CLU02x (LES10) |
| FWHM / FWTM | 47.0 + 24.0° / 75.0 + 58.0° |
| Efficiency | 88 % |
| Peak intensity | 1.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
| | F15255_HEKLA-SOCKET-C |



CITIZEN

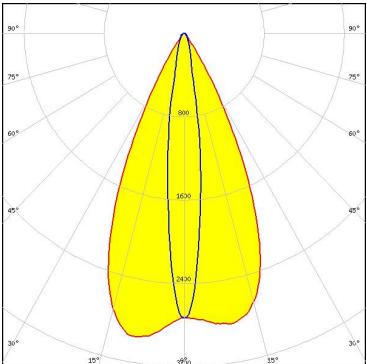
| | |
|----------------------|-----------------------------|
| LED | CLU700/701/702/703 |
| FWHM / FWTM | 50.0 + 18.0° / 71.0 + 43.0° |
| Efficiency | 90 % |
| Peak intensity | 2.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
| | F15255_HEKLA-SOCKET-C |



OPTICAL RESULTS (MEASURED):

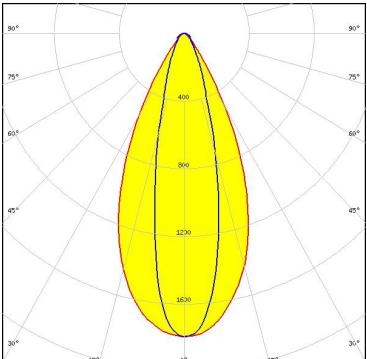
CITIZEN

LED CLU7A2/7A3
 FWHM / FWTM $49.0 + 14.0^\circ / 68.0 + 31.0^\circ$
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



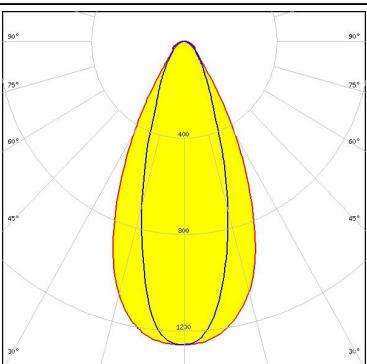
CREE LEDs

LED CMA1516
 FWHM / FWTM $49.0 + 25.0^\circ / 76.0 + 57.0^\circ$
 Efficiency 91 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



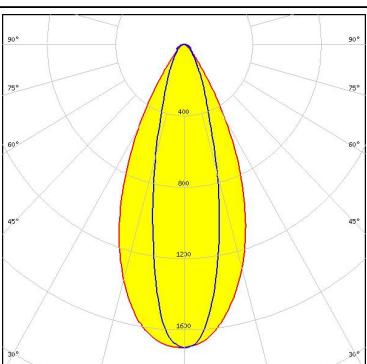
CREE LEDs

LED CMA1825
 FWHM / FWTM $51.0 + 33.0^\circ / 83.0 + 76.0^\circ$
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B

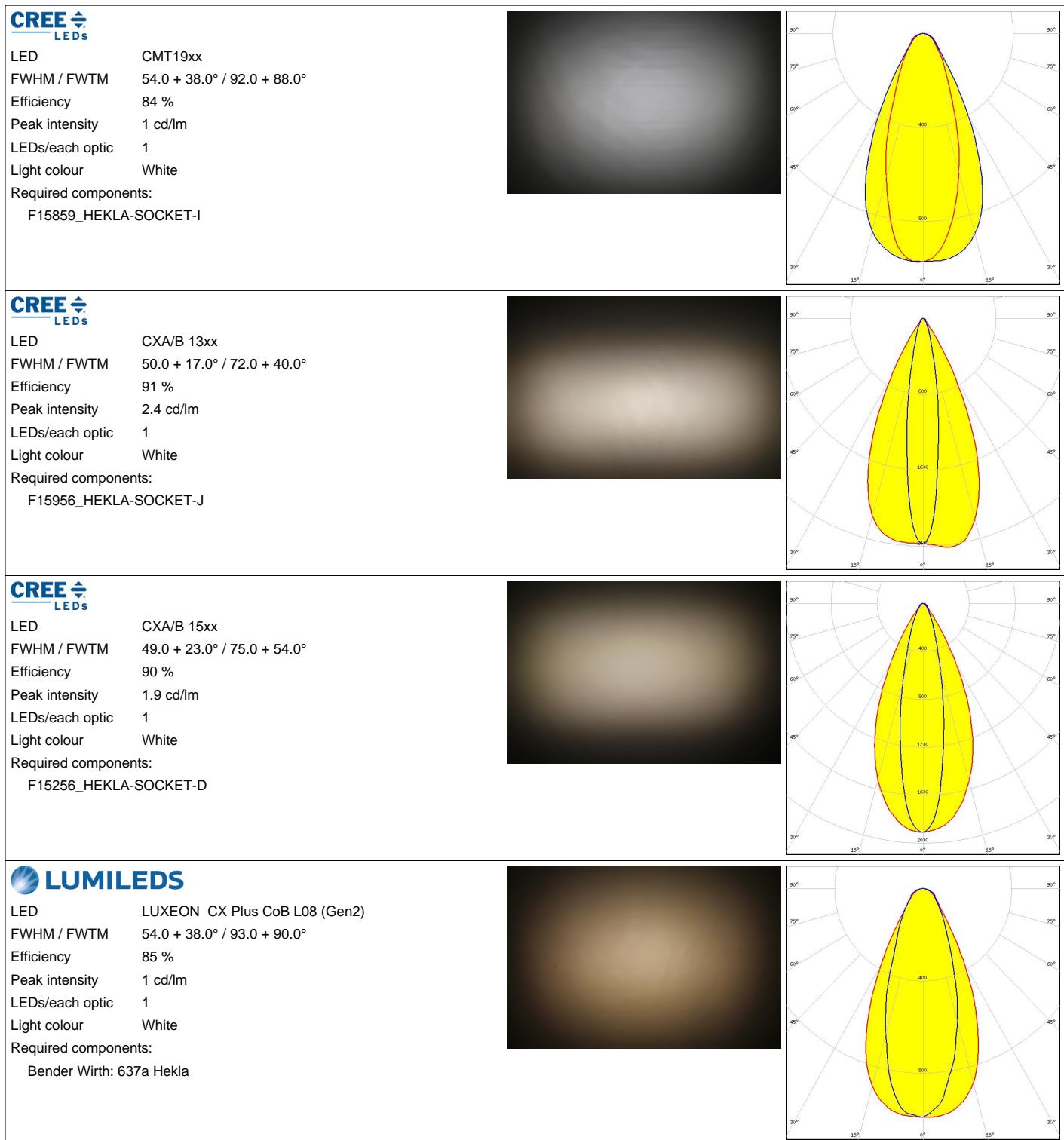


CREE LEDs

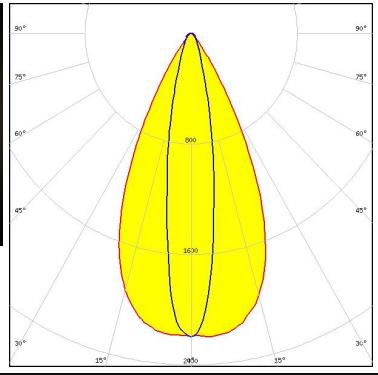
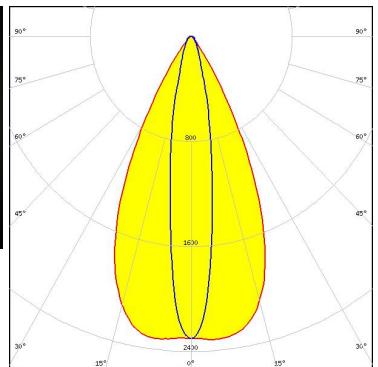
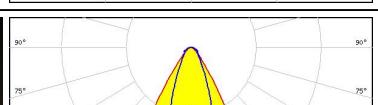
LED CMT14xx
 FWHM / FWTM $48.0 + 26.0^\circ / 77.0 + 60.0^\circ$
 Efficiency 90 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



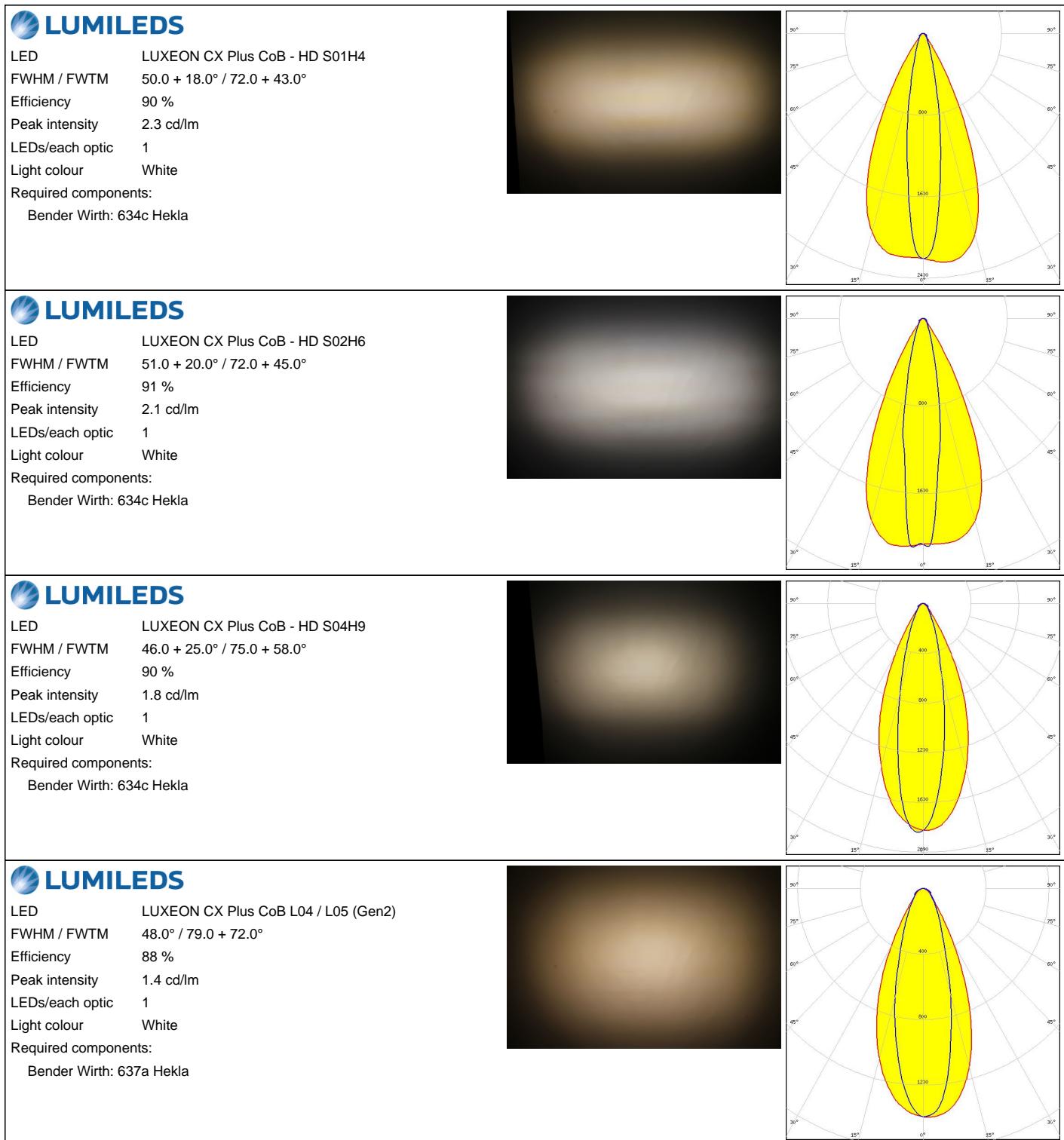
OPTICAL RESULTS (MEASURED):



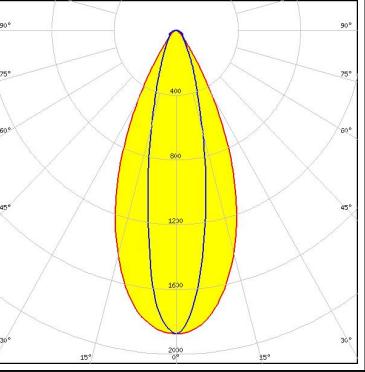
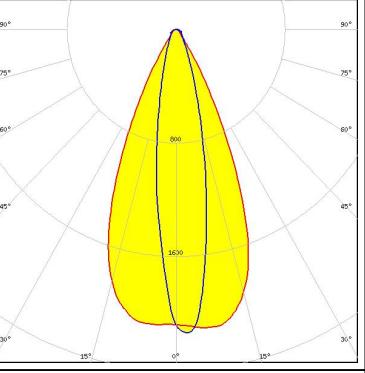
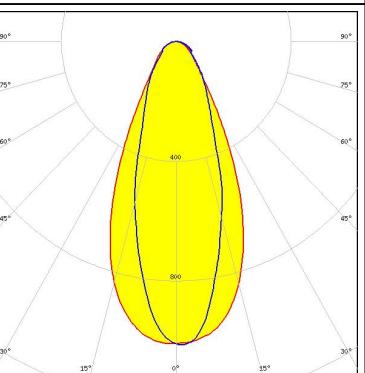
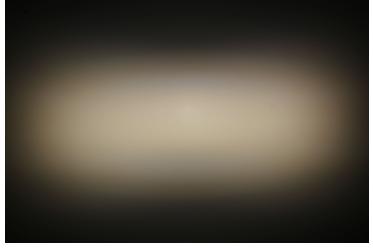
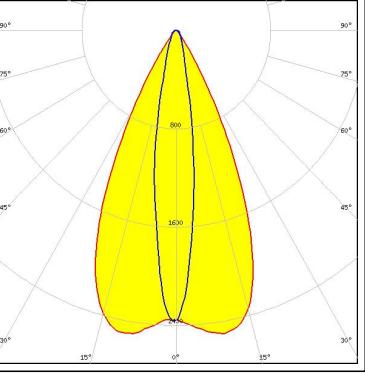
OPTICAL RESULTS (MEASURED):

| | | | |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | LUMILEDS |  |  |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON CoB 1202HD 51.0 + 18.0° / 73.0 + 43.0° 91 % 2.2 cd/lm 1 White F15848_HEKLA-SOCKET-G |  |  |
|  LUMILEDS | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON CoB 1202s 51.0 + 17.0° / 72.0 + 40.0° 91 % 2.3 cd/lm 1 White F15848_HEKLA-SOCKET-G |  |
|  LUMILEDS | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON CoB 1204HD 48.0 + 25.0° / 76.0 + 56.0° 91 % 1.8 cd/lm 1 White F15858_HEKLA-SOCKET-H |  |
|  LUMILEDS | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm 1 White F15858_HEKLA-SOCKET-H |  |

OPTICAL RESULTS (MEASURED):



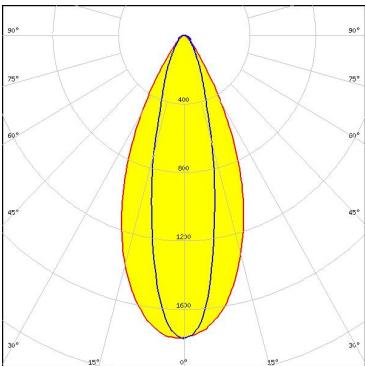
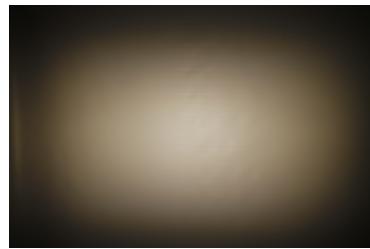
OPTICAL RESULTS (MEASURED):

| | | | |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | LUMILEDS |  |  |
| LED | LUXEON CX Plus CoB M02 / M03 (Gen2) | | |
| FWHM / FWTM | 46.0 + 23.0° / 74.0 + 56.0° | | |
| Efficiency | 90 % | | |
| Peak intensity | 1.9 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required components: | | | |
| Bender Wirth: 641a Hekla | | | |
|  | LUMINUS |  |  |
| LED | LUXEON CX Plus CoB S01 (Gen2) | | |
| FWHM / FWTM | 48.0 + 20.0° / 68.0 + 47.0° | | |
| Efficiency | 89 % | | |
| Peak intensity | 2.2 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required components: | | | |
| Bender Wirth: 634c Hekla | | | |
|  | LUMINUS |  |  |
| LED | CxM-14 (19x19) | | |
| FWHM / FWTM | 49.0 + 35.0° / 89.0 + 88.0° | | |
| Efficiency | 79 % | | |
| Peak intensity | 1 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required components: | | | |
| F15859_HEKLA-SOCKET-I | | | |
|  | LUMINUS |  |  |
| LED | CXM-4 | | |
| FWHM / FWTM | 51.0 + 16.0° / 70.0 + 37.0° | | |
| Efficiency | 90 % | | |
| Peak intensity | 2.5 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required components: | | | |
| F15255_HEKLA-SOCKET-C | | | |

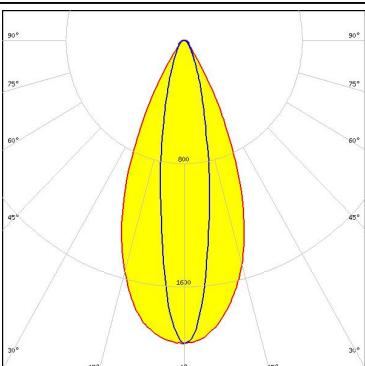
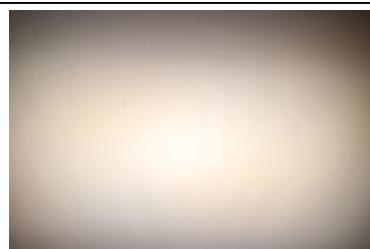
OPTICAL RESULTS (MEASURED):



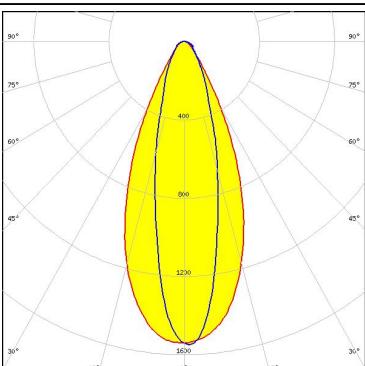
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 47.0 + 25.0° / 75.0 + 59.0°
 Efficiency 89 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



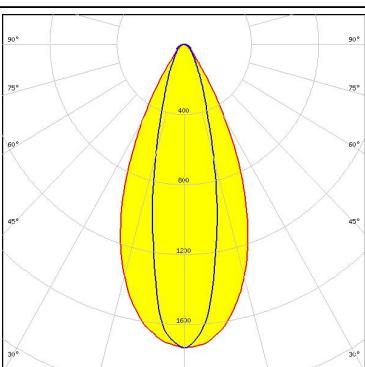
LED NJCWL024Z-V1MT: COB L-Type Tunable White
 FWHM / FWTM 46.0 + 20.0° / 70.0 + 50.0°
 Efficiency 82 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 497 Typ L8



LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 45.0 + 25.0° / 75.0 + 67.0°
 Efficiency 84 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 498 Typ L8



LED Fortimo SLM L09 CoB
 FWHM / FWTM 48.0 + 25.0° / 76.0 + 58.0°
 Efficiency 90 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



OPTICAL RESULTS (MEASURED):

PHILIPS

LED Fortimo SLM L13 CoB

FWHM / FWTM $41.0 + 45.0^\circ / 90.0 + 89.0^\circ$

Efficiency 83 %

Peak intensity 1 cd/lm

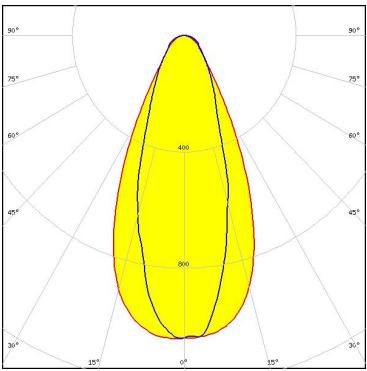
LEDs/each optic 1

Light colour White

Required components:

C16142_HEKLA-SOCKET-K

Bender Wirth: 432 Typ L8



SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM $48.0 + 25.0^\circ / 76.0 + 60.0^\circ$

Efficiency 89 %

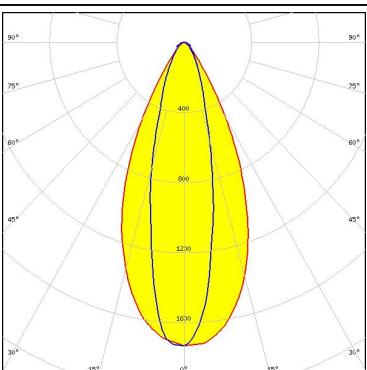
Peak intensity 1.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F15255_HEKLA-SOCKET-C



SAMSUNG

LED LC010C

FWHM / FWTM $52.0 + 18.0^\circ / 74.0 + 44.0^\circ$

Efficiency 90 %

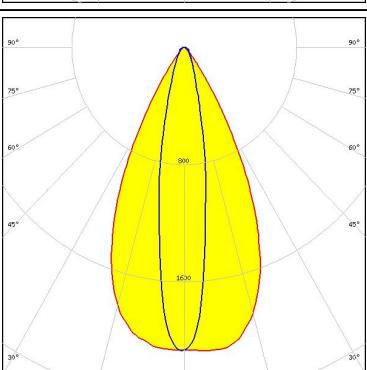
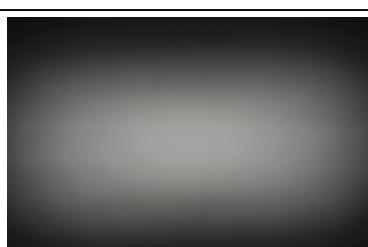
Peak intensity 2.1 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F15848_HEKLA-SOCKET-G



SAMSUNG

LED LC010C G2

FWHM / FWTM $50.0 + 17.0^\circ / 71.0 + 41.0^\circ$

Efficiency 89 %

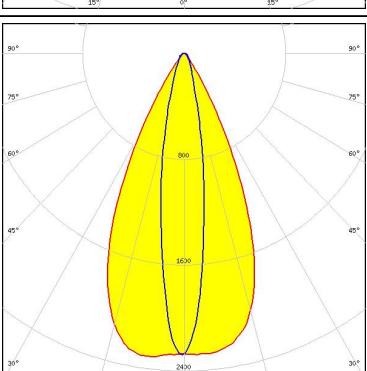
Peak intensity 2.3 cd/lm

LEDs/each optic 1

Light colour White

Required components:

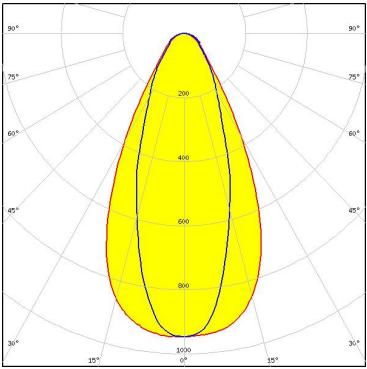
F15255_HEKLA-SOCKET-C



OPTICAL RESULTS (MEASURED):

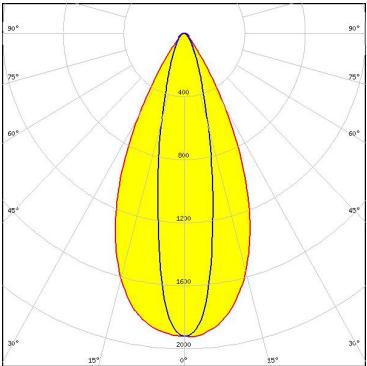
SAMSUNG

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 components:
 F15859_HEKLA-SOCKET-I



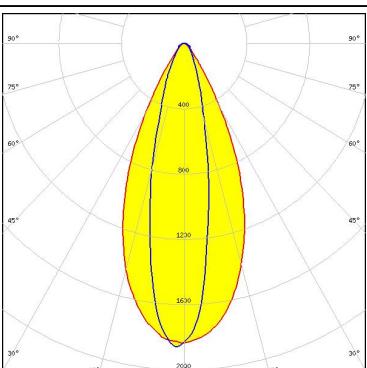
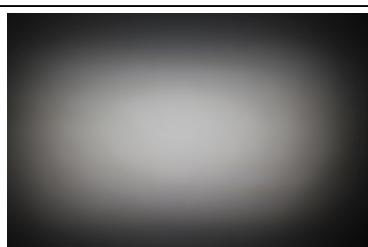
SAMSUNG

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 components:
 F15848_HEKLA-SOCKET-G



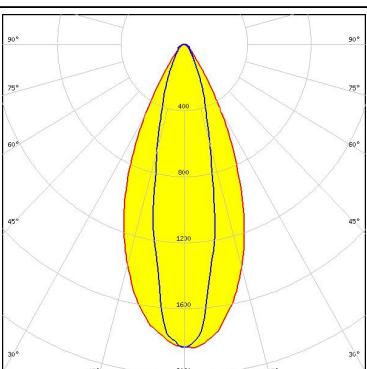
SAMSUNG

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 components:
 F15859_HEKLA-SOCKET-I



TRIDONIC

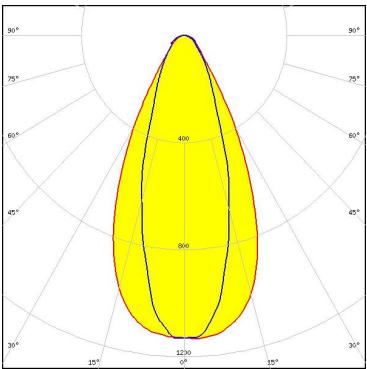
LED SLE G7 LES09
 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0°
 Efficiency 88 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



OPTICAL RESULTS (MEASURED):

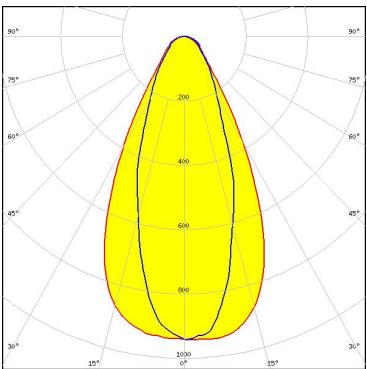
TRIDONIC

LED SLE G7 LES13
 FWHM / FWTM 52.0 + 35.0° / 85.0 + 81.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



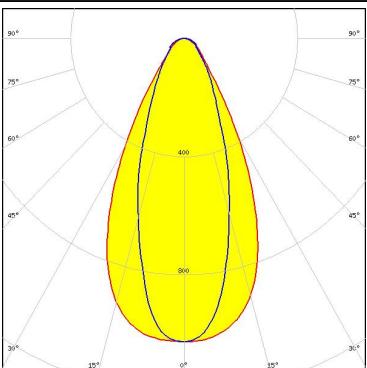
TRIDONIC

LED SLE G7 LES15
 FWHM / FWTM 55.0 + 39.0° / 94.0 + 90.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



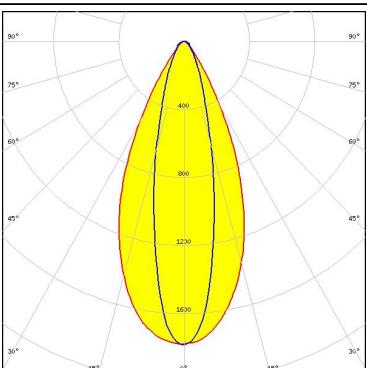
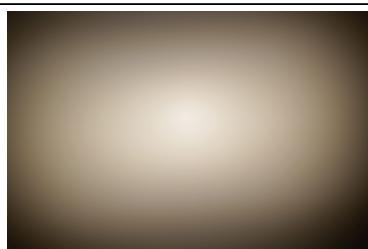
XICATO

LED XOB 14.5 mm
 FWHM / FWTM 54.0 + 36.0° / 88.0 + 84.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



XICATO

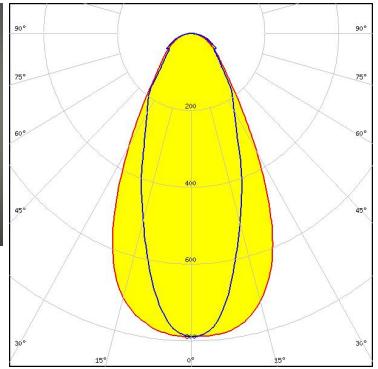
LED XOB 9.8 mm
 FWHM / FWTM 48.0 + 24.0° / 76.0 + 89.0°
 Efficiency 89 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



OPTICAL RESULTS (MEASURED):

XICATO

LED XTM - 19mm LES
FWHM / FWTM 57.0 + 40.0° / 111.0 + 107.0°
Efficiency 82 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16058_XTM-ADAPTER-50-C



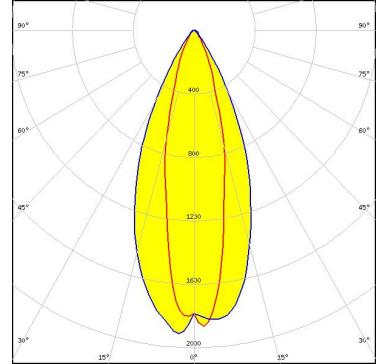
OPTICAL RESULTS (SIMULATED):



| | |
|-----------------|-----------------------------|
| LED | V10 Gen 8 |
| FWHM / FWTM | 24.0 + 45.0° / 56.0 + 73.0° |
| Efficiency | 87 % |
| Peak intensity | 1.9 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

F15255_HEKLA-SOCKET-C

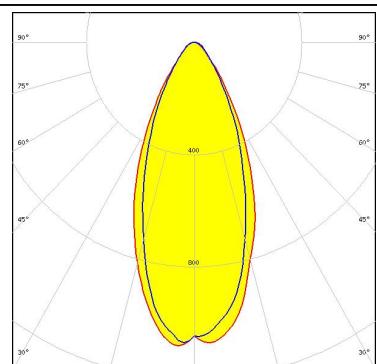


CITIZEN

| | |
|-----------------|-----------------------------|
| LED | CLL03x/CLU03x |
| FWHM / FWTM | 47.0 + 40.0° / 85.0 + 83.0° |
| Efficiency | 80 % |
| Peak intensity | 1.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

F15859_HEKLA-SOCKET-I

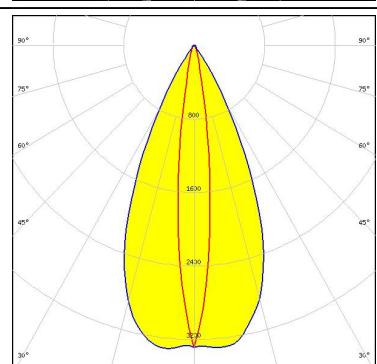
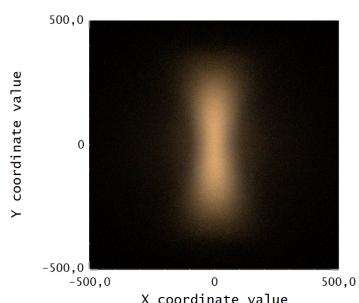


CITIZEN

| | |
|-----------------|-----------------------------|
| LED | CLU7B2 |
| FWHM / FWTM | 48.0 + 12.0° / 68.0 + 27.0° |
| Efficiency | 91 % |
| Peak intensity | 3.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

F17435_HEKLA-G2-C

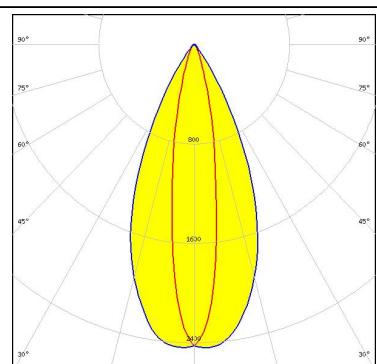


NICHIA

| | |
|-----------------|-----------------------------|
| LED | COB T-Type |
| FWHM / FWTM | 28.0 + 47.0° / 40.0 + 71.0° |
| Efficiency | 86 % |
| Peak intensity | 2.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

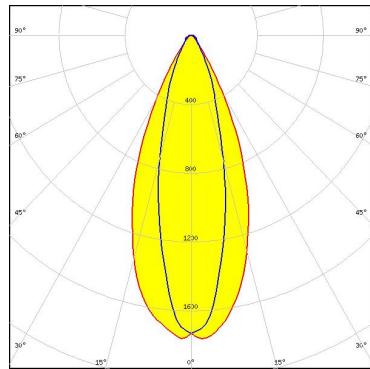
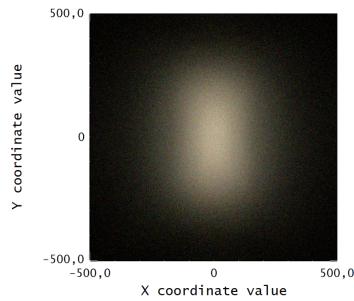
F15848_HEKLA-SOCKET-G



OPTICAL RESULTS (SIMULATED):

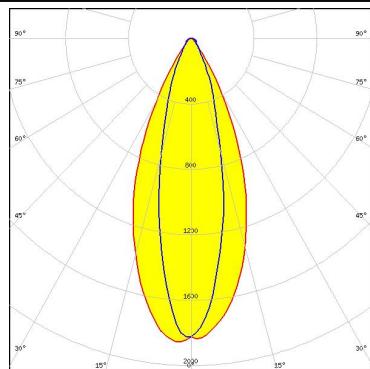
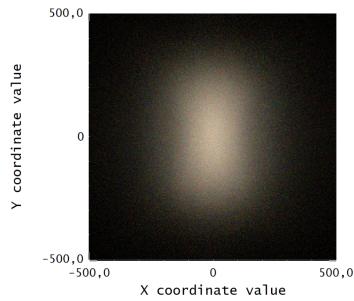
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM $44.0 + 27.0^\circ / 71.0 + 61.0^\circ$
 Efficiency 87 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



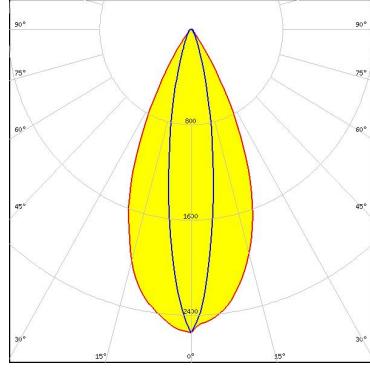
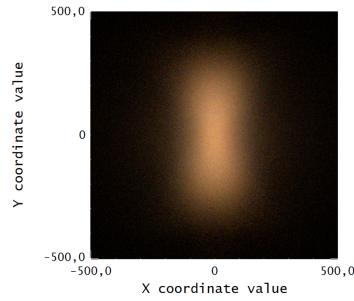
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM $44.0 + 26.0^\circ / 71.0 + 58.0^\circ$
 Efficiency 88 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



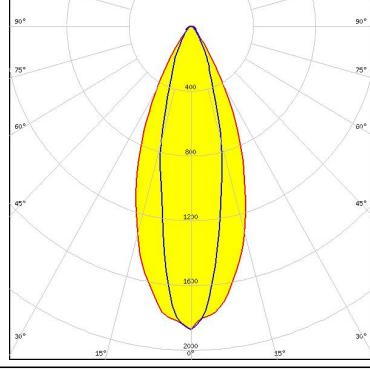
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM $46.0 + 18.0^\circ / 70.0 + 40.0^\circ$
 Efficiency 90 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM $43.0 + 24.0^\circ / 72.0 + 58.0^\circ$
 Efficiency 87 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C

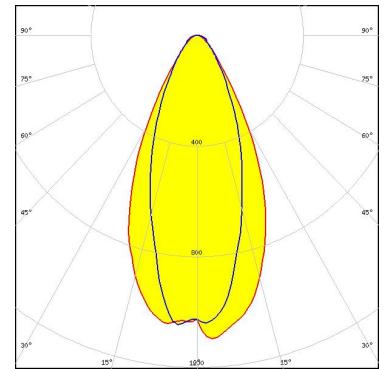


OPTICAL RESULTS (SIMULATED):

SAMSUNG

| | |
|-----------------|-----------------------------------|
| LED | LC016D / LC019D / LC026D / LC033D |
| FWHM / FWTM | 51.0 + 39.0° / 85.0° |
| Efficiency | 83 % |
| Peak intensity | 1.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

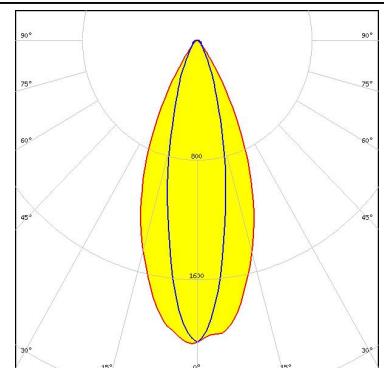
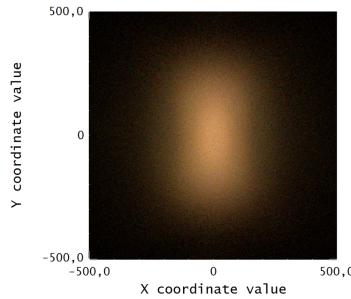
Required components:
F17438_HEKLA-G2-I



SAMSUNG

| | |
|-----------------|-----------------------------|
| LED | LC020C G2 |
| FWHM / FWTM | 44.0 + 23.0° / 70.0 + 55.0° |
| Efficiency | 89 % |
| Peak intensity | 2 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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