

## AMY-50-RS

~15° spot beam with tight cutoff

## SPECIFICATION:

|                |        |
|----------------|--------|
| Dimensions     | Ø 49.9 |
| Height         | 11 mm  |
| Fastening      | socket |
| ROHS compliant | yes ⓘ  |

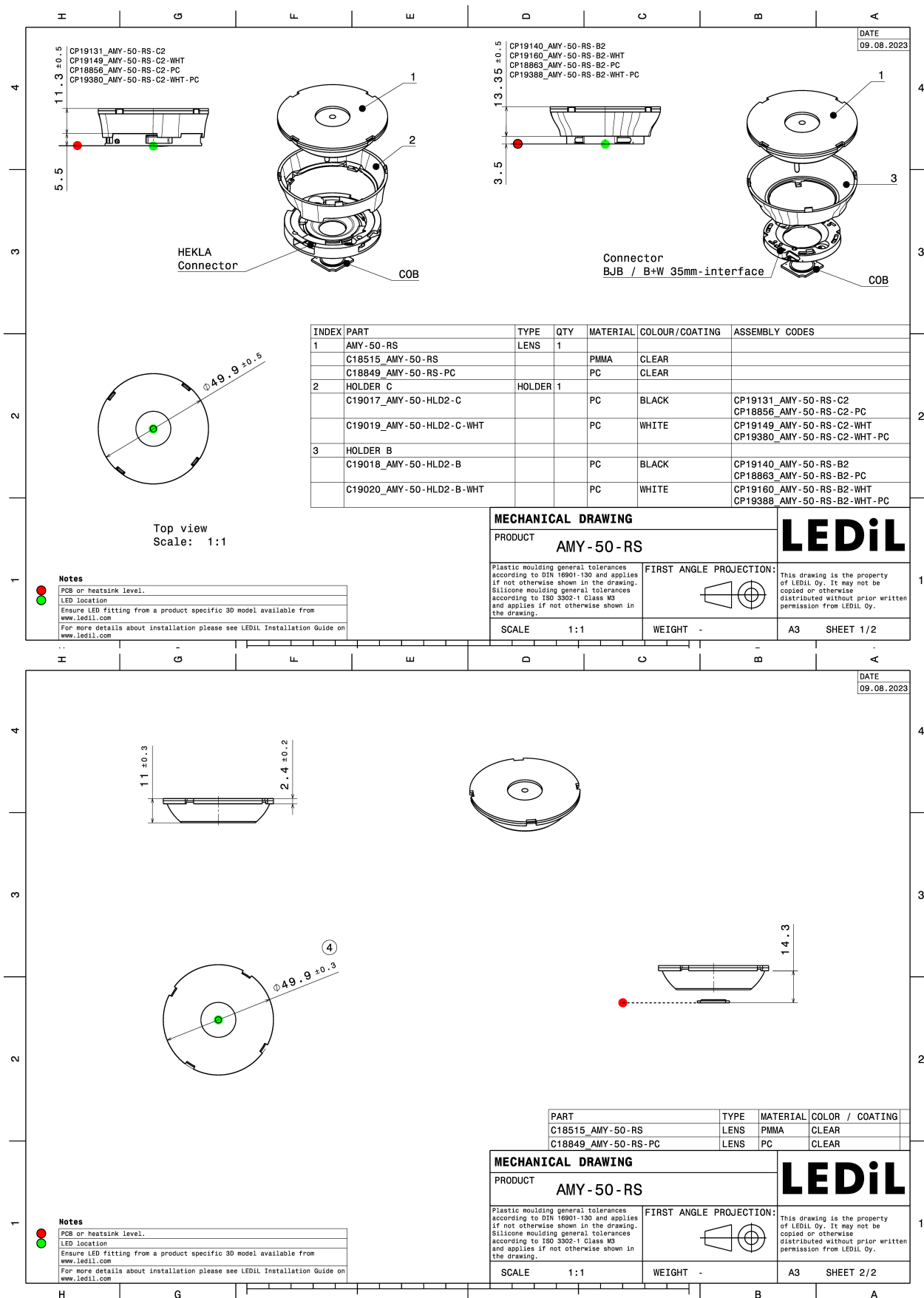
## MATERIALS:

| Component         | Type        | Material | Colour | Finish | Length (mm) |
|-------------------|-------------|----------|--------|--------|-------------|
| AMY-50-RS         | Single lens | PMMA     | clear  |        |             |
| AMY-50-HLD2-C     | Holder C    | PC       | black  |        |             |
| AMY-50-HLD2-B     | Holder B    | PC       | black  |        |             |
| AMY-50-HLD2-C-WHT | Holder C    | PC       | white  |        |             |
| AMY-50-HLD2-B-WHT | Holder B    | PC       | white  |        |             |



## ORDERING INFORMATION:

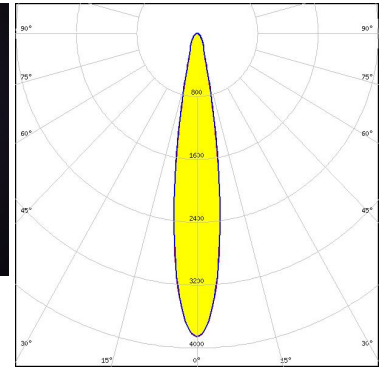
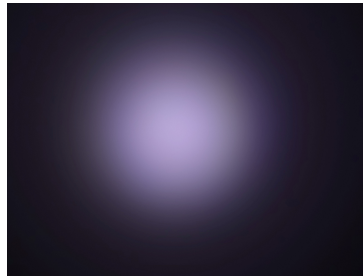
| Component                | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------|------------|-----|-----|-----------------|
| C18515_AMY-50-RS         | 690        | 120 | 30  | 9.7             |
| <b>Assembly</b>          |            |     |     |                 |
| CP19160_AMY-50-RS-B2-WHT | 510        | 120 | 30  | 8.9             |
| CP19149_AMY-50-RS-C2-WHT | 510        | 120 | 30  | 8.5             |
| CP19140_AMY-50-RS-B2     | 510        | 120 | 30  | 8.9             |
| CP19131_AMY-50-RS-C2     | 510        | 120 | 30  | 8.5             |



### OPTICAL RESULTS (MEASURED):



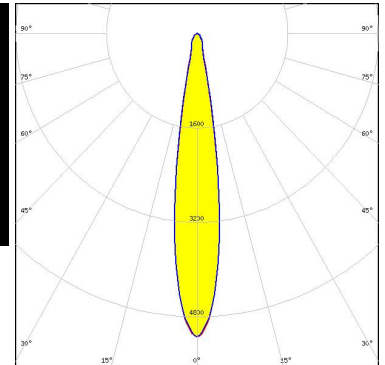
**LED** BXRV-D10-RGBW2000-A3  
**Ordering code** CP19131\_AMY-50-RS-C2  
**FWHM / FWTM** 18.0° / 35.0°  
**Efficiency** 77 %  
**Peak intensity** 3.9 cd/lm  
**LEDs/each optic** 28  
**Light colour/type** RGBW  
**Required components:**  
 C19950\_HEKLA-SOCKET-RZ



Light distribution files

### CITIZEN

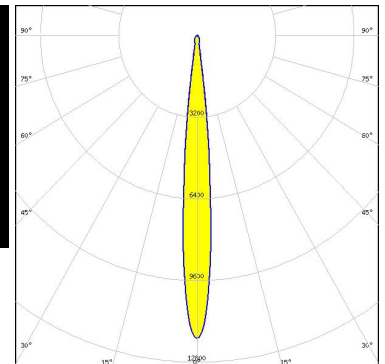
**LED** CLU02x (LES10)  
**Ordering code** CP19140\_AMY-50-RS-B2  
**FWHM / FWTM** 17.0° / 31.0°  
**Efficiency** 85 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 Bender Wirth: 634a Bayonet35L



Light distribution files

### CITIZEN

**LED** CLU700/701/702/703  
**Ordering code** CP19140\_AMY-50-RS-B2  
**FWHM / FWTM** 11.0° / 19.0°  
**Efficiency** 87 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**CCT (LED/with lens)\*** 3000K/K  
**Required components:**  
 Bender Wirth: 634a Bayonet35L

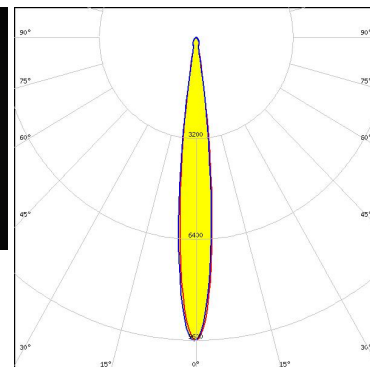


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### PHILIPS

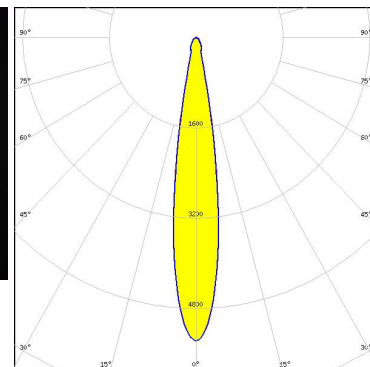
LED Fortimo SLM C TW L06A 1313 G7N  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 12.0° / 21.0°  
 Efficiency 86 %  
 Peak intensity 9.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 508 Typ L8



Light distribution files

#### PHILIPS

LED Fortimo SLM C TW L09A 1919 G7N  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 17.0° / 30.0°  
 Efficiency 85 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 501 Typ L8



Light distribution files

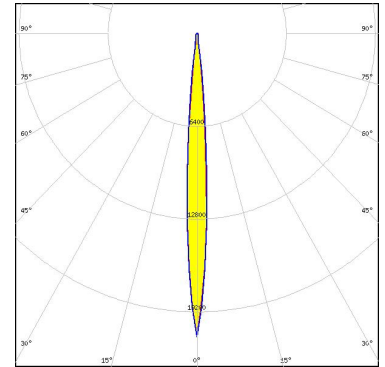
### OPTICAL RESULTS (SIMULATED):



LED V3 HD Gen 8  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 89 %  
 Peak intensity 20.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 660a Bayonet35

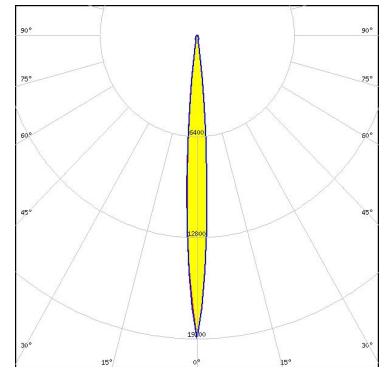
Light distribution files



LED V4 HD Gen 7  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 87 %  
 Peak intensity 19.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 660a Bayonet35

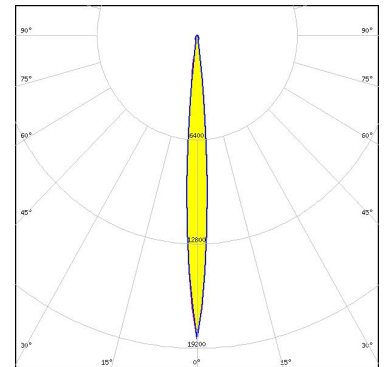
Light distribution files



LED V4 HD Gen 8  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 87 %  
 Peak intensity 18.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 660a Bayonet35

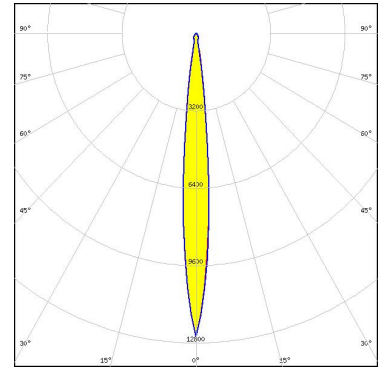
Light distribution files



### OPTICAL RESULTS (SIMULATED):



**LED** V6 HD Gen 7  
**Ordering code** CP19140\_AMY-50-RS-B2  
**FWHM / FWTM** 10.0° / 20.0°  
**Efficiency** 86 %  
**Peak intensity** 12.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

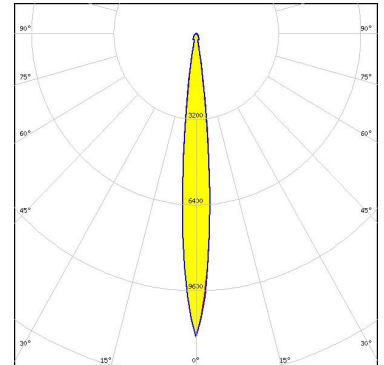


Bender Wirth: 634c Bayonet35L

Light distribution files



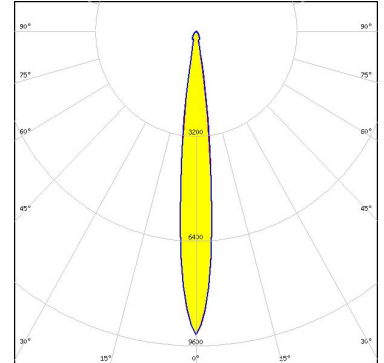
**LED** V6 HD Gen 8  
**Ordering code** CP19149\_AMY-50-RS-C2-WHT  
**FWHM / FWTM** 10.0° / 20.0°  
**Efficiency** 91 %  
**Peak intensity** 11.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F19858\_HEKLA-G2B-C3



Light distribution files



**LED** Vesta DTW 6mm  
**Ordering code** CP19140\_AMY-50-RS-B2  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 88 %  
**Peak intensity** 9.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



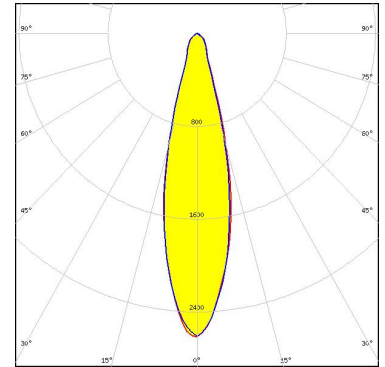
Bender Wirth: 652b Hekla

Light distribution files

### OPTICAL RESULTS (SIMULATED):



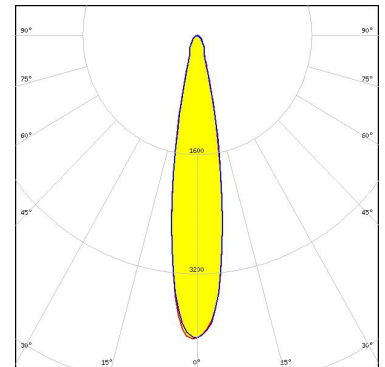
**LED** Vesta SE 13mm TW  
**Ordering code** CP19131\_AMY-50-RS-C2  
**FWHM / FWTM** 26.0° / 46.0°  
**Efficiency** 79 %  
**Peak intensity** 2.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K



Light distribution files

### CITIZEN

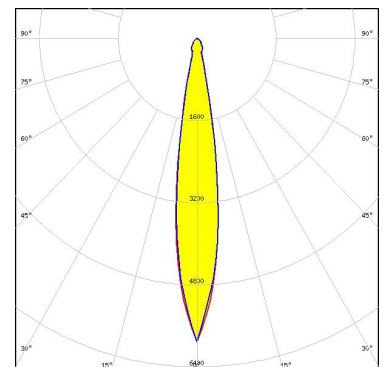
**LED** CLU02Q Type-F  
**Ordering code** CP19131\_AMY-50-RS-C2  
**FWHM / FWTM** 20.0° / 36.0 + 37.0°  
**Efficiency** 86 %  
**Peak intensity** 4.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F17435\_HEKLA-G2-C



Light distribution files

### CITIZEN

**LED** CLU02x (LES10)  
**Ordering code** CP19149\_AMY-50-RS-C2-WHT  
**FWHM / FWTM** 16.0° / 30.0°  
**Efficiency** 93 %  
**Peak intensity** 5.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F17435\_HEKLA-G2-C



Light distribution files

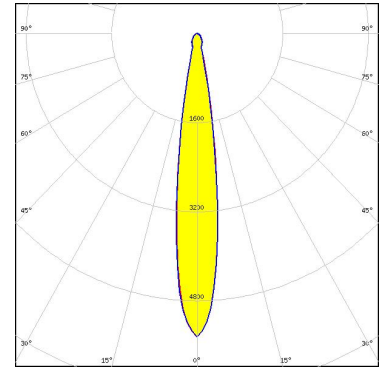
### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU02x (LES10)  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 16.0° / 29.0°  
 Efficiency 87 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 634a Bayonet35L

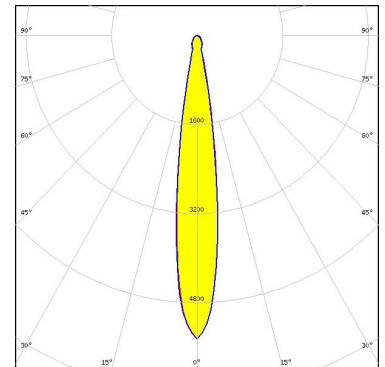
Light distribution files



#### CITIZEN

LED CLU02x (LES10)  
 Ordering code C18515\_AMY-50-RS  
 FWHM / FWTM 16.0° / 29.0°  
 Efficiency 87 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

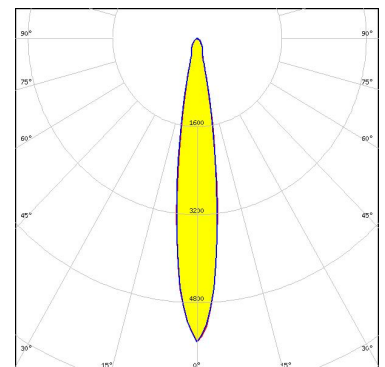
Light distribution files



#### CITIZEN

LED CLU713 Type-F  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 16.0° / 31.0°  
 Efficiency 87 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I

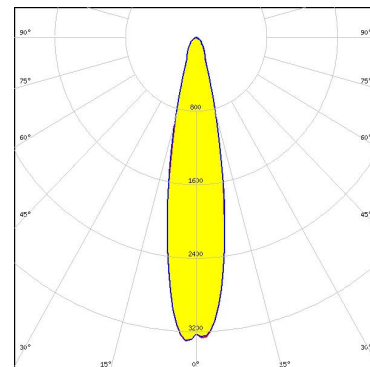
Light distribution files



### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

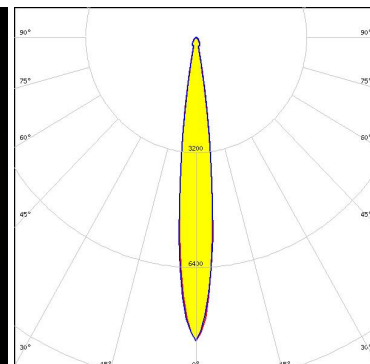
LED CLU723 Type-F  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 22.0° / 43.0 + 42.0°  
 Efficiency 86 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

#### CITIZEN

LED CLUD22  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 12.0° / 23.0°  
 Efficiency 85 %  
 Peak intensity 8.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

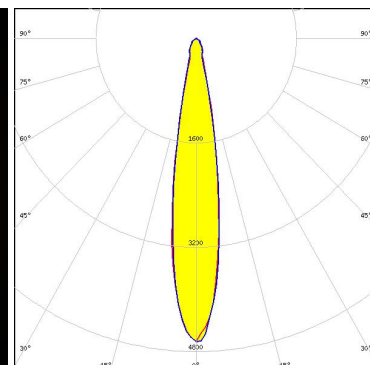
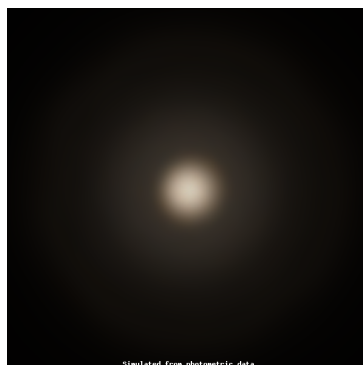


Light distribution files

Bender Wirth: 444 Typ L8

#### CITIZEN

LED CLUD32  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 18.0° / 33.0°  
 Efficiency 86 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

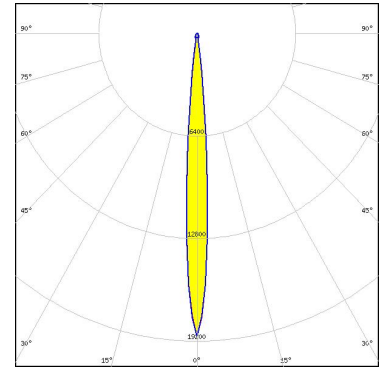


Light distribution files

### OPTICAL RESULTS (SIMULATED):



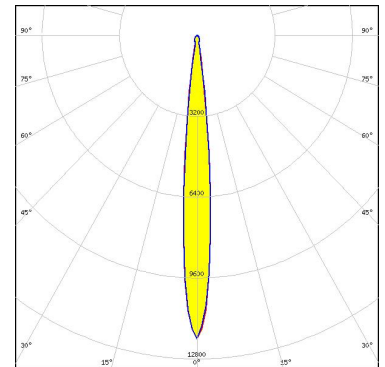
LED: CHA0410  
 Ordering code: CP19131\_AMY-50-RS-C2  
 FWHM / FWTM: 8.0° / 16.0°  
 Efficiency: 86 %  
 Peak intensity: 18.9 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



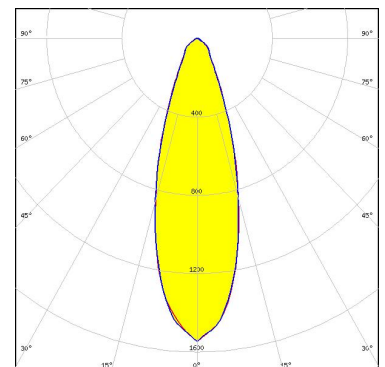
LED: CHA0612  
 Ordering code: CP19131\_AMY-50-RS-C2  
 FWHM / FWTM: 10.0° / 19.0°  
 Efficiency: 86 %  
 Peak intensity: 12 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



LED: CMB2550  
 FWHM / FWTM: 32.0° / 66.0°  
 Efficiency: 75 %  
 Peak intensity: 1.5 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



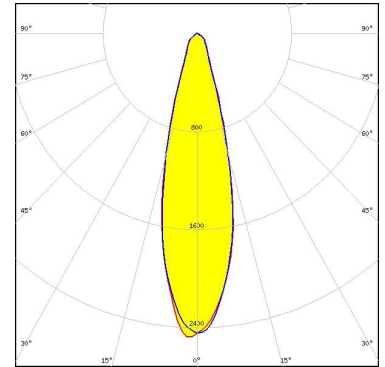
Bender Wirth: 639a Hekla XL

Light distribution files

### OPTICAL RESULTS (SIMULATED):



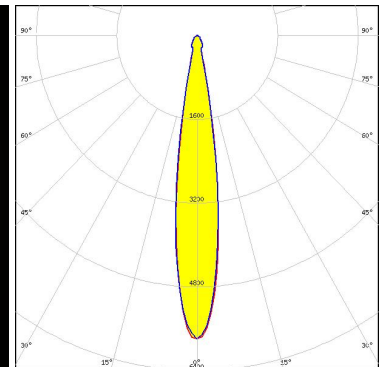
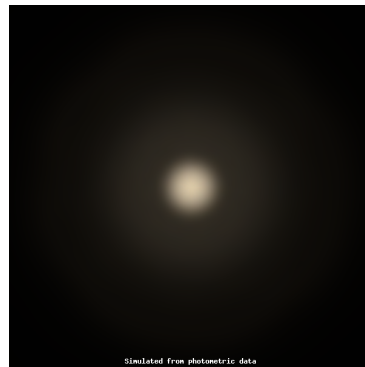
LED CMU15xx  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 27.0° / 51.0°  
 Efficiency 83 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files



LED CTW0910  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 16.0° / 28.0°  
 Efficiency 85 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

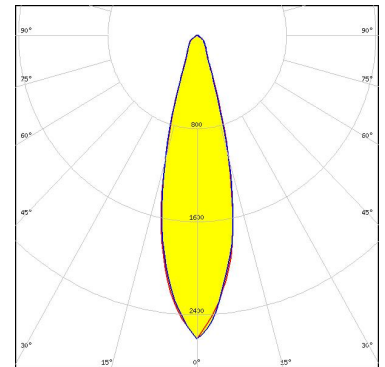


Light distribution files

Bender Wirth: 512 Typ L8



LED LUXEON CX Plus CoB L08 (Gen2)  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 28.0° / 50.0°  
 Efficiency 86 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



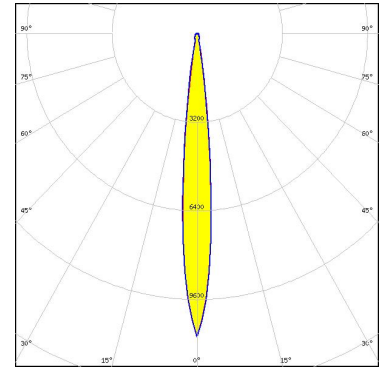
Light distribution files

Bender Wirth: 637a Hekla

### OPTICAL RESULTS (SIMULATED):



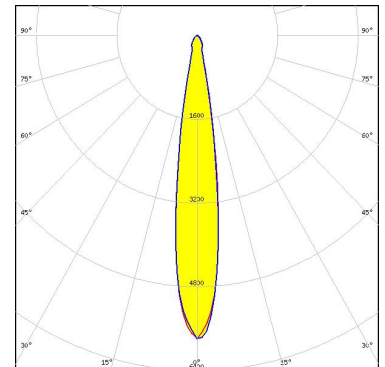
LED LUXEON 7070  
 Ordering code C18515\_AMY-50-RS  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 91 %  
 Peak intensity 10.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON CoB 1204HD  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 87 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

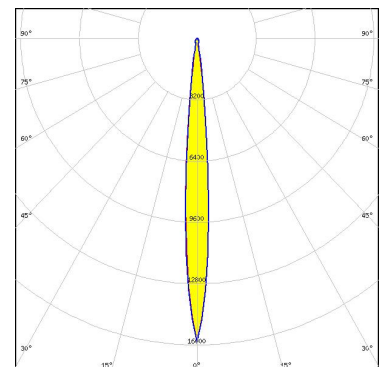


Light distribution files

BJB: 47.360.1110



LED LUXEON CX Plus CoB - HD S01H4  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 9.0° / 18.0°  
 Efficiency 87 %  
 Peak intensity 15.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



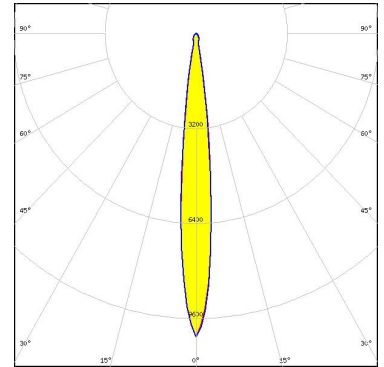
Light distribution files

Bender Wirth: 634c Bayonet35L

### OPTICAL RESULTS (SIMULATED):



LED LUXEON CX Plus CoB - HD S02H6  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 88 %  
 Peak intensity 10.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

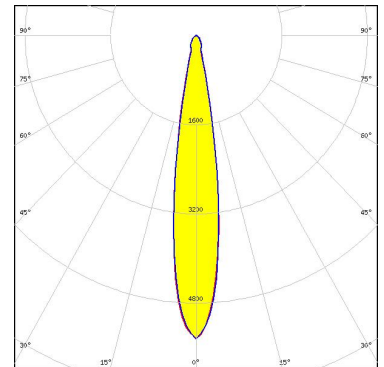


Bender Wirth: 634c Bayonet35L

Light distribution files



LED LUXEON CX Plus CoB - HD S04H9  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 17.0° / 30.0°  
 Efficiency 87 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

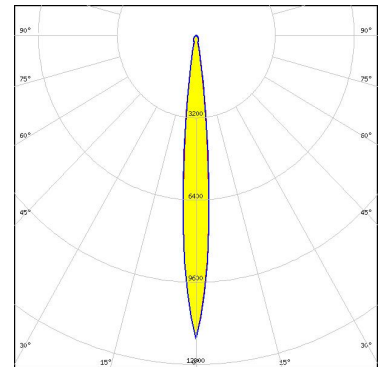


Bender Wirth: 634a Bayonet35L

Light distribution files



LED LUXEON CX Plus CoB S01 (Gen2)  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 88 %  
 Peak intensity 11.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15956\_HEKLA-SOCKET-J

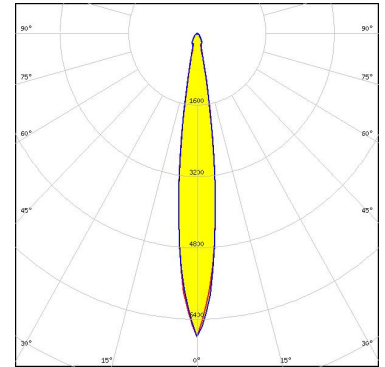


Light distribution files

### OPTICAL RESULTS (SIMULATED):



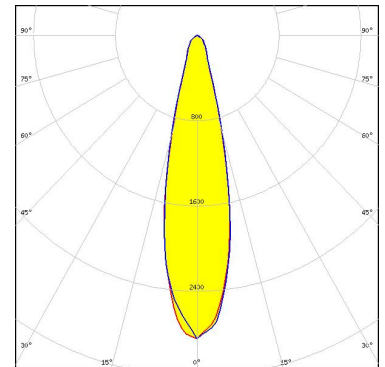
LED CHM-9 XH (19x19)  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 87 %  
 Peak intensity 6.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files



LED CTM-14 (Tunable White) Gen2  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 24.0° / 46.0°  
 Efficiency 85 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

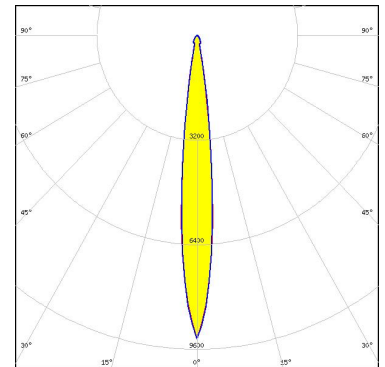


Light distribution files

Bender Wirth: 442 Typ L8



LED CTM-6 (Tunable White) Gen2  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 87 %  
 Peak intensity 9.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



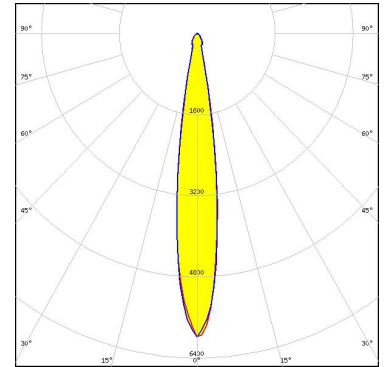
Light distribution files

Bender Wirth: 495 Typ L8

### OPTICAL RESULTS (SIMULATED):



LED CTM-9 (Tunable White) Gen2  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 16.0° / 28.0°  
 Efficiency 86 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

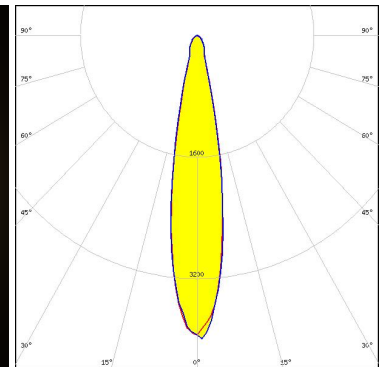
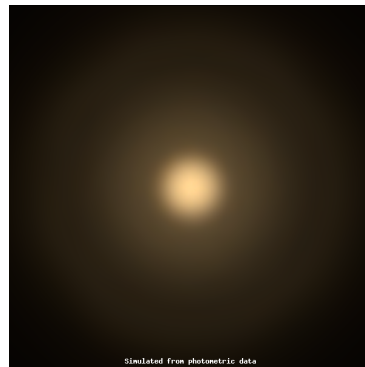


Light distribution files

Bender Wirth: 495 Typ L8



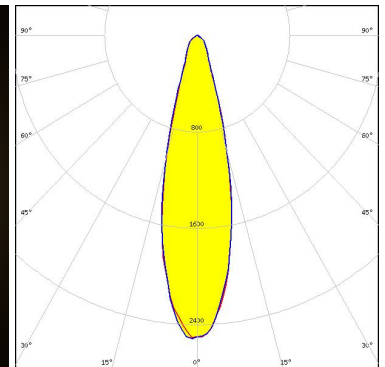
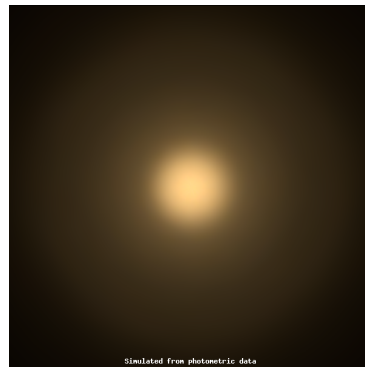
LED CxM-11 (19x19)  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 20.0° / 36.0°  
 Efficiency 85 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files



LED CxM-14 (19x19)  
 FWHM / FWTM 26.0° / 49.0 + 50.0°  
 Efficiency 84 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



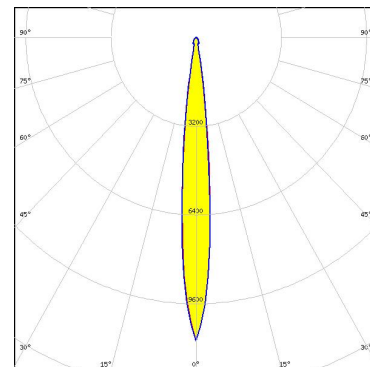
Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED CxM-6 (13.5x13.5)  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 87 %  
 Peak intensity 10.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

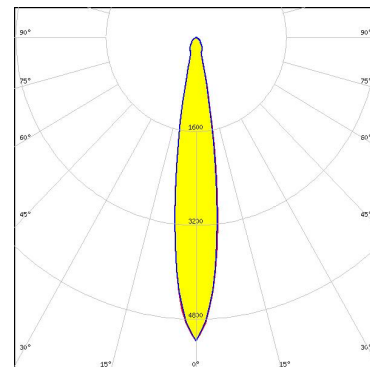
BJB: 47.360.1020



Light distribution files



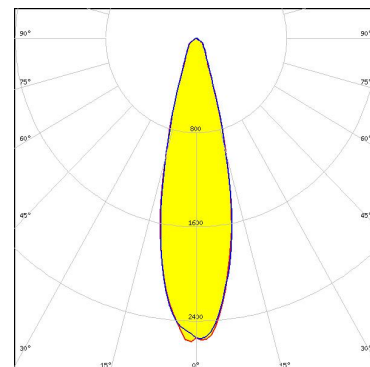
LED CxM-9 (13.5x13.5)  
 Ordering code CP19160\_AMY-50-RS-B2-WHT  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 88 %  
 Peak intensity 5.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C18968\_SOCKET-B-35-C



Light distribution files



LED COB J-Type  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 27.0° / 50.0°  
 Efficiency 86 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



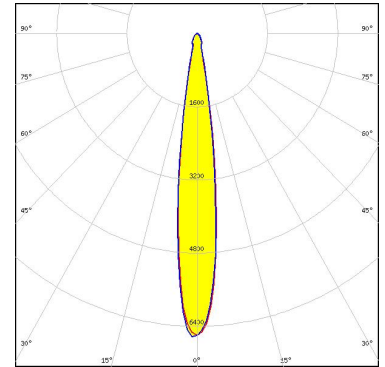
Light distribution files

Bender Wirth: 663a Hekla XL

### OPTICAL RESULTS (SIMULATED):



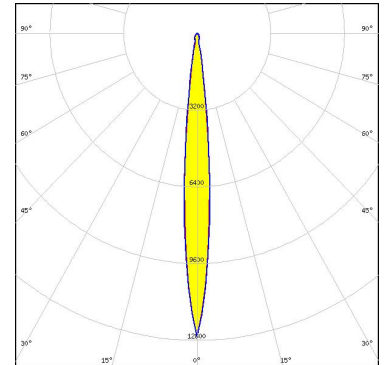
LED COB L-Type (LES 9)  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 87 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



Light distribution files



LED COB S-Type (LES 6)  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 88 %  
 Peak intensity 12.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

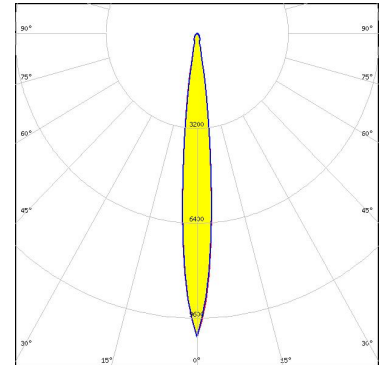


Bender Wirth: 652a Bayonet35L

Light distribution files



LED COB S-Type (LES 7)  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 88 %  
 Peak intensity 10.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



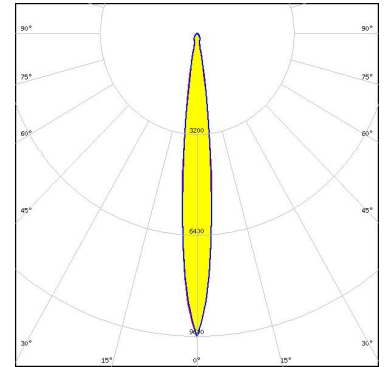
Bender Wirth: 652a Bayonet35L

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED COB S-Type (LES 7)  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 84 %  
 Peak intensity 9.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

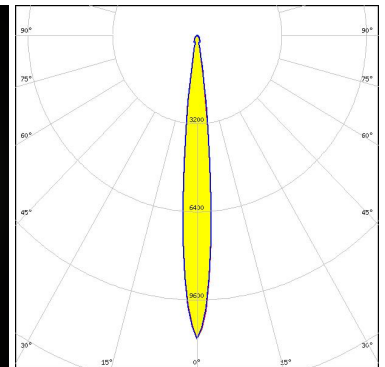
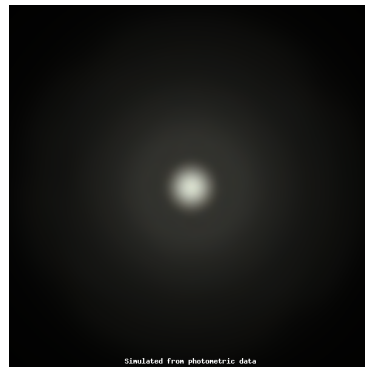


Bender Wirth: 652a Hekla

Light distribution files



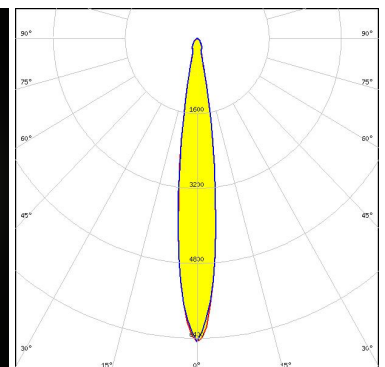
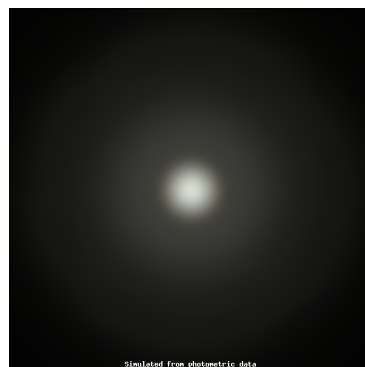
LED NF1202EFC-V5  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 86 %  
 Peak intensity 11 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



LED NF1203EJC-V5  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 86 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C

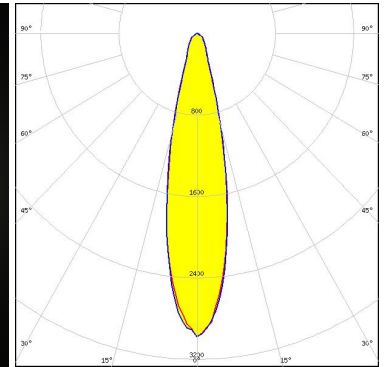


Light distribution files

### OPTICAL RESULTS (SIMULATED):



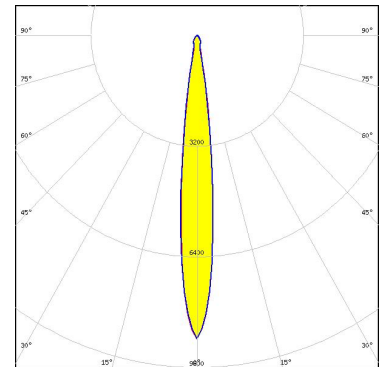
LED NF1206JLC-V5  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 24.0° / 46.0°  
 Efficiency 84 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files



LED NJCWL024Z-V1MT: COB L-Type Tunable White  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 12.0° / 23.0°  
 Efficiency 86 %  
 Peak intensity 8.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

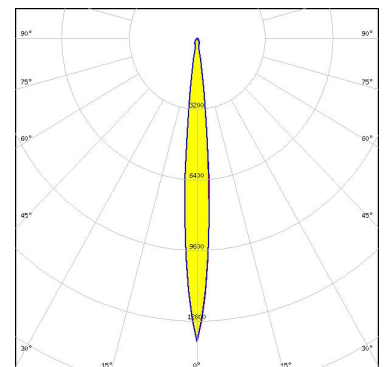


Light distribution files

Bender Wirth: 497 Typ L8 HV



LED NJNWS012Z-V1MT: COB S-Type Tunable White  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 87 %  
 Peak intensity 13.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



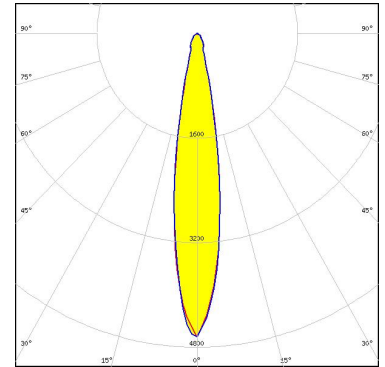
Light distribution files

Bender Wirth: 495 Typ L8 HV

### OPTICAL RESULTS (SIMULATED):



LED NVCWJ024Z-V1MT: COB J-Type Tunable White  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 18.0° / 34.0°  
 Efficiency 85 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

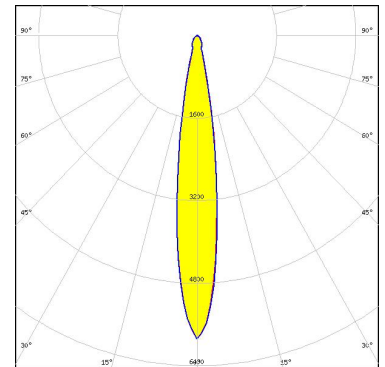


Light distribution files

Bender Wirth: 498 Typ L8 HV



LED LC003D / LC006D / LC009D / LC013D  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 86 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

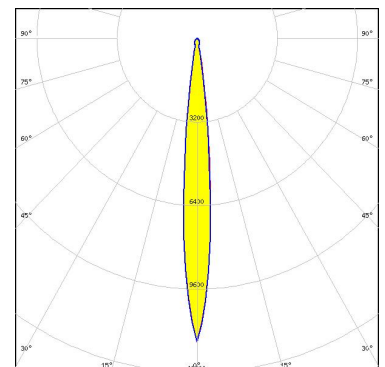


Light distribution files

BJB: 47.360.1020



LED LC010C G2  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 87 %  
 Peak intensity 11.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



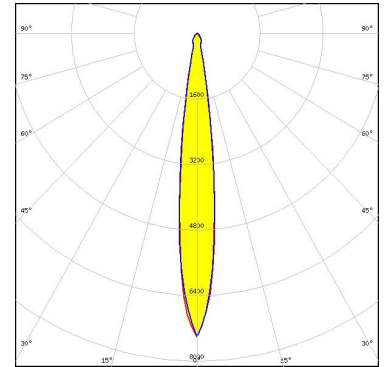
Light distribution files

BJB: 47.360.1020

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LC010T (Tunable White)  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 86 %  
 Peak intensity 7.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

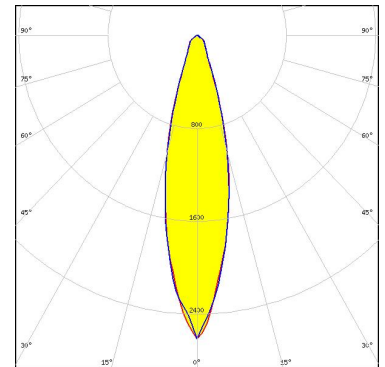


Light distribution files

Bender Wirth: 501 Typ L8

#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 26.0° / 50.0°  
 Efficiency 83 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

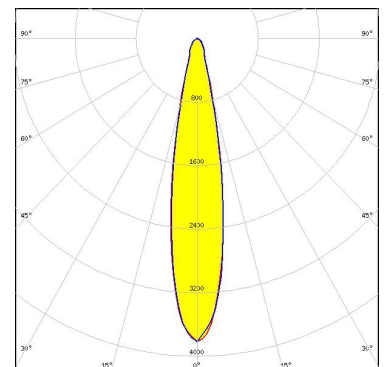


Light distribution files

BJB: 47.360.1010

#### SAMSUNG

LED LC030C/040C G2  
 Ordering code CP19140\_AMY-50-RS-B2  
 FWHM / FWTM 20.0° / 39.0°  
 Efficiency 84 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

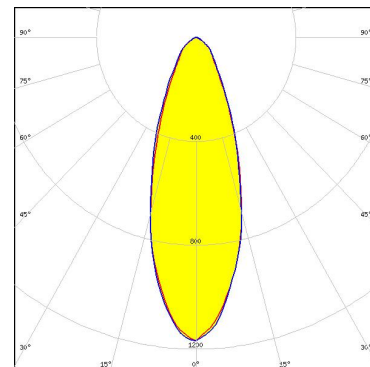
BJB: 47.360.1010

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LC040D / LC060D / LC080D  
 FWHM / FWTM 36.0° / 78.0°  
 Efficiency 68 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

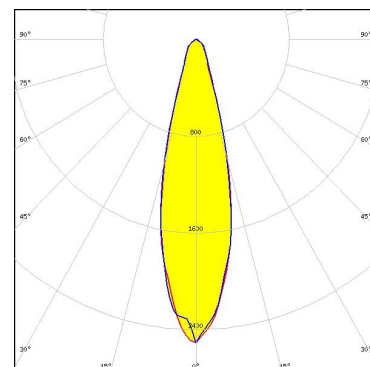
Bender Wirth: 631b Hekla XL



Light distribution files



LED MJT COB LES 14.5  
 Ordering code CP19131\_AMY-50-RS-C2  
 FWHM / FWTM 26.0° / 51.0°  
 Efficiency 85 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

### 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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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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