

AMY-110-WW

~60° wide beam

SPECIFICATION:

|                |         |
|----------------|---------|
| Dimensions     | Ø 109.7 |
| Height         | 17.1 mm |
| Fastening      | socket  |
| ROHS compliant | yes ⓘ   |

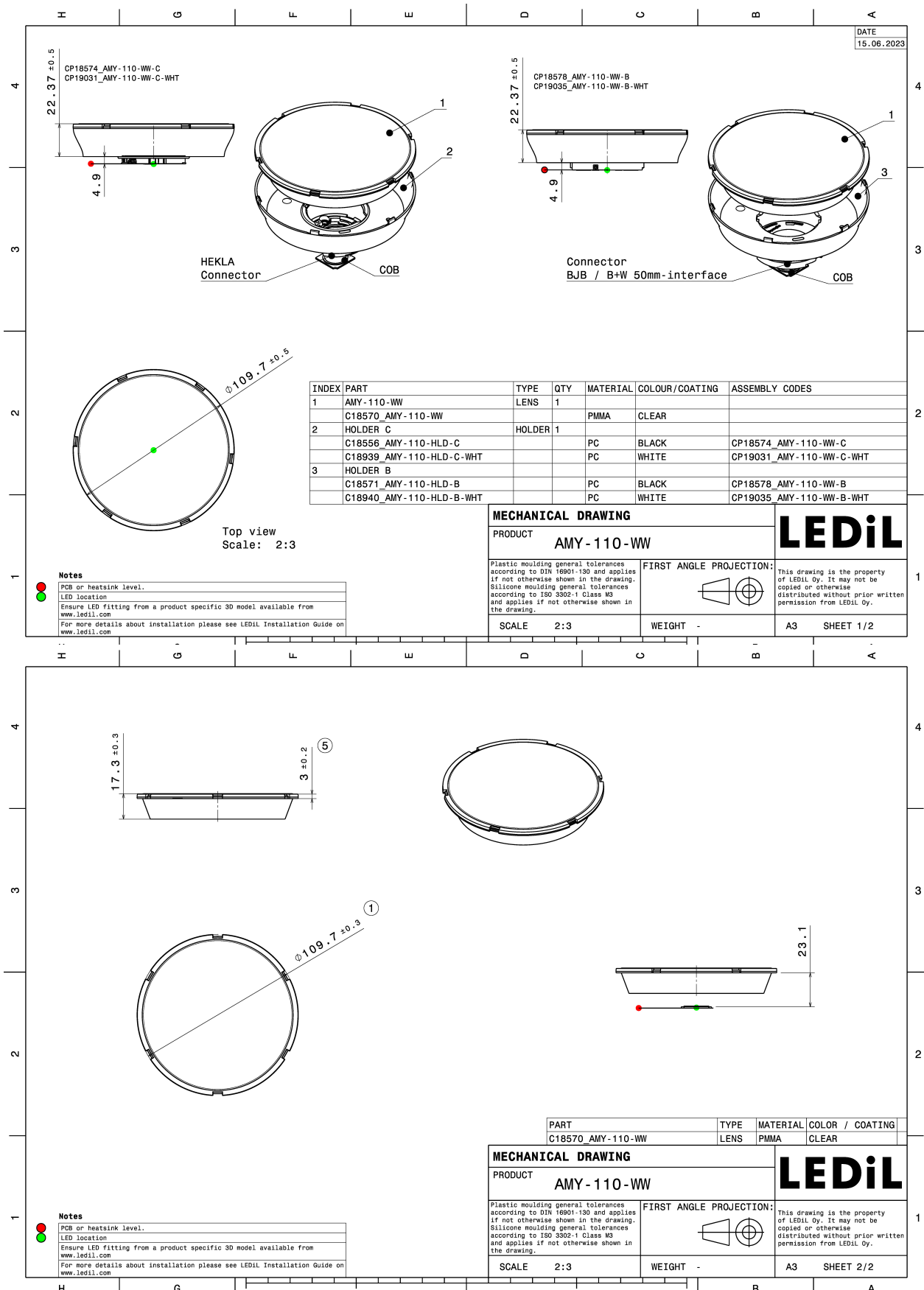
MATERIALS:

| Component         | Type        | Material | Colour | Finish | Length (mm) |
|-------------------|-------------|----------|--------|--------|-------------|
| AMY-110-WW        | Single lens | PMMA     | clear  |        |             |
| AMY-110-HLD-C     | Holder C    | PC       | black  |        |             |
| AMY-110-HLD-B     | Holder B    | PC       | black  |        |             |
| AMY-110-HLD-C-WHT | Holder C    | PC       | white  |        |             |
| AMY-110-HLD-B-WHT | Holder B    | PC       | white  |        |             |



## ORDERING INFORMATION:

| Component                | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------|------------|-----|-----|-----------------|
| C18570_AMY-110-WW        | 128        | 128 | 8   | 12.1            |
| <b>Assembly</b>          |            |     |     |                 |
| CP19035_AMY-110-WW-B-WHT | 77         | 77  | 7   | 9.3             |
| CP19031_AMY-110-WW-C-WHT | 77         | 77  | 7   | 9.3             |
| CP18578_AMY-110-WW-B     | 77         | 77  | 7   | 9.4             |
| CP18574_AMY-110-WW-C     | 77         | 77  | 7   | 9.3             |

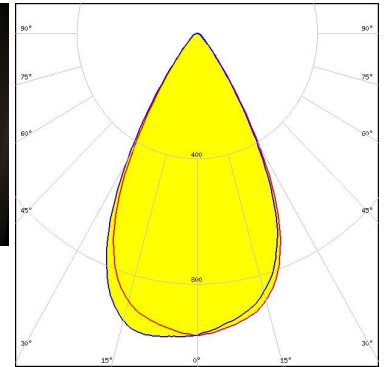
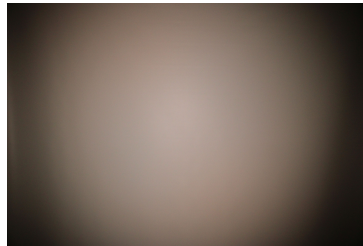


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



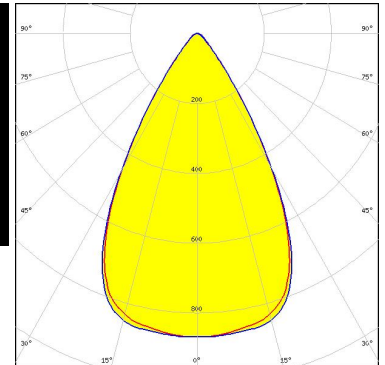
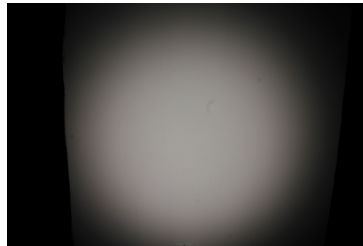
LED CTM-14 (Tunable White) Gen2  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 57.0° / 81.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 442 Typ L8



Light distribution files



LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 60.0° / 84.0°  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



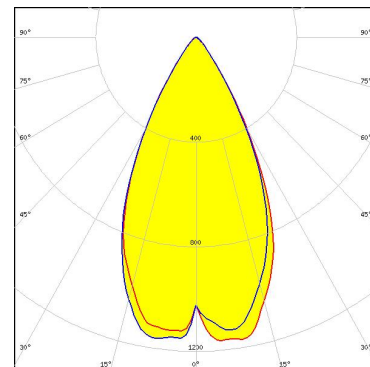
Light distribution files



### OPTICAL RESULTS (SIMULATED):



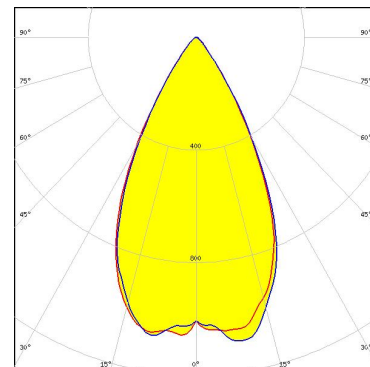
LED V10 Gen 8-9  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 53.0° / 78.0°  
 Efficiency 89 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files



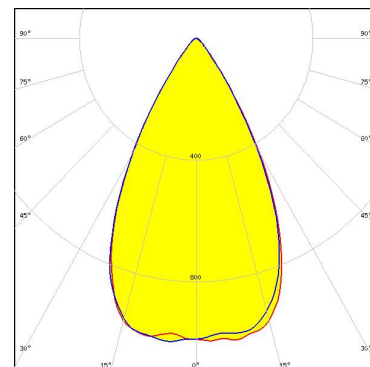
LED V11 HD Gen 8  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 55.0° / 78.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files



LED V13 Gen 8-9  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 57.0° / 80.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

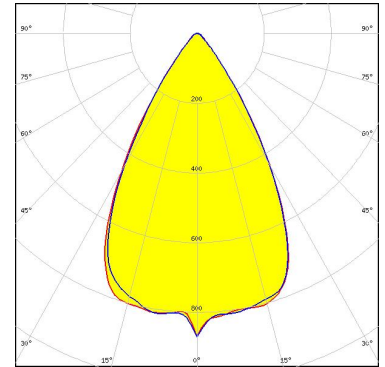


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED V18 Gen 8-9  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 60.0° / 84.0°  
 Efficiency 82 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

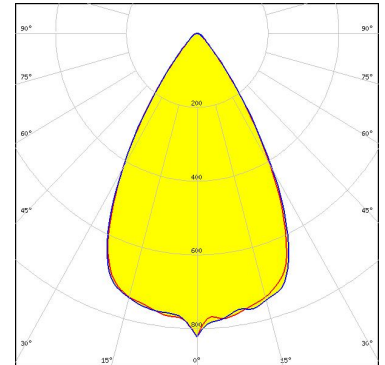


Light distribution files

Bender Wirth: 462 Typ L8



LED V22 Gen 8-9  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 60.0° / 85.0°  
 Efficiency 79 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

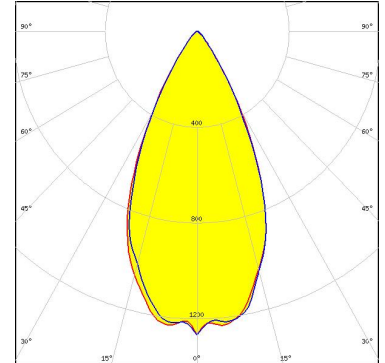


Light distribution files

Bender Wirth: 631b Hekla XL



LED V8 Gen 8-9  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 50.0° / 75.0°  
 Efficiency 89 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A

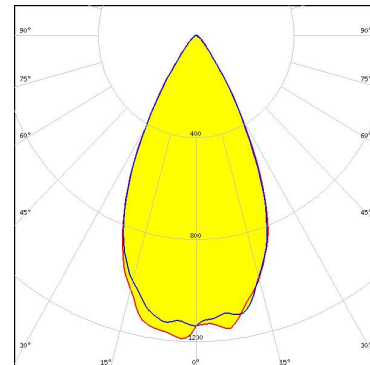


Light distribution files

### OPTICAL RESULTS (SIMULATED):



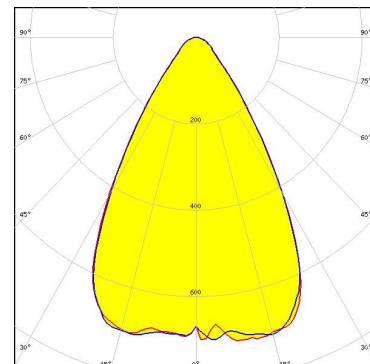
**LED** V9 HD Gen 8  
**Ordering code** CP18574\_AMY-110-WW-C  
**FWHM / FWTM** 53.0° / 77.0°  
**Efficiency** 88 %  
**Peak intensity** 1.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15859\_HEKLA-SOCKET-I



Light distribution files



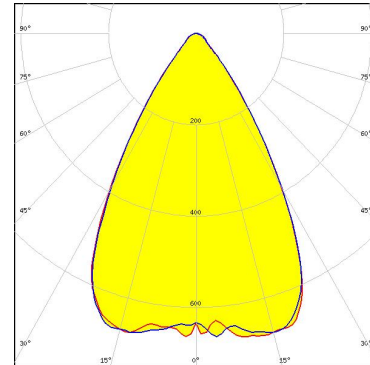
**LED** Vero SE 29  
**Ordering code** CP19031\_AMY-110-WW-C-WHT  
**FWHM / FWTM** 63.0° / 95.0°  
**Efficiency** 86 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** Vero SE 29  
**Ordering code** CP18574\_AMY-110-WW-C  
**FWHM / FWTM** 62.0° / 88.0°  
**Efficiency** 76 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

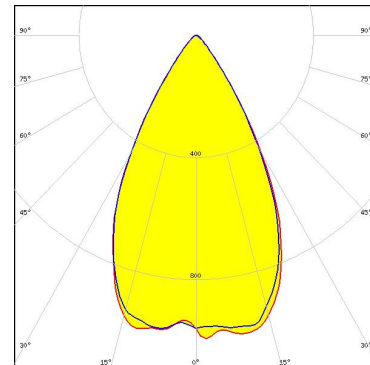


Light distribution files

### OPTICAL RESULTS (SIMULATED):



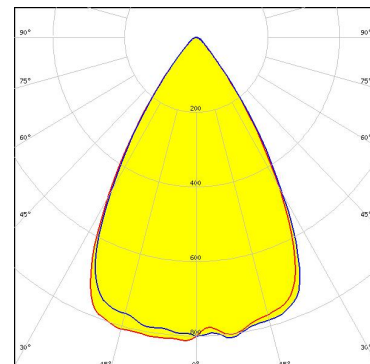
LED VERO13  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 58.0° / 82.0°  
 Efficiency 89 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



Light distribution files



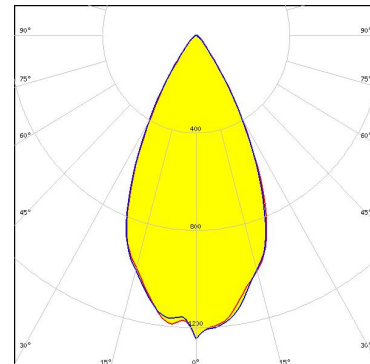
LED VERO18  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 64.0° / 86.0°  
 Efficiency 87 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



Light distribution files



LED Vesta DTW 13mm (21W)  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 51.0° / 76.0°  
 Efficiency 89 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

Bender Wirth: 632b Hekla XL

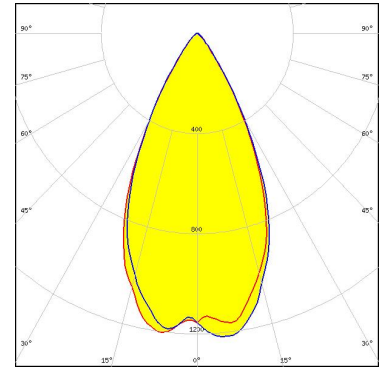
### OPTICAL RESULTS (SIMULATED):



LED Vesta DTW 9mm (4W/6W/12W)  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 51.0° / 76.0°  
 Efficiency 89 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

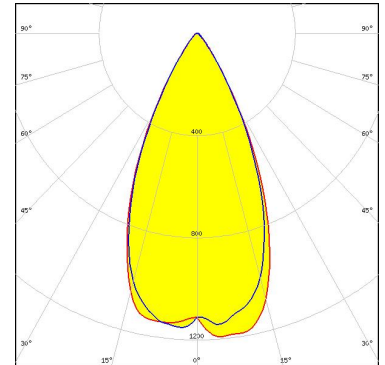
Bender Wirth: 652b Hekla

Light distribution files



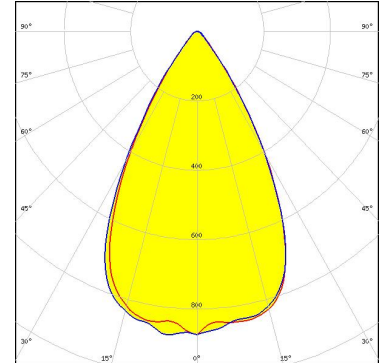
LED Vesta SE 13mm TW  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 50.0° / 74.0°  
 Efficiency 83 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

Light distribution files



LED Vesta TW 18mm (31W) DP  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 59.0° / 82.0°  
 Efficiency 82 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

Light distribution files

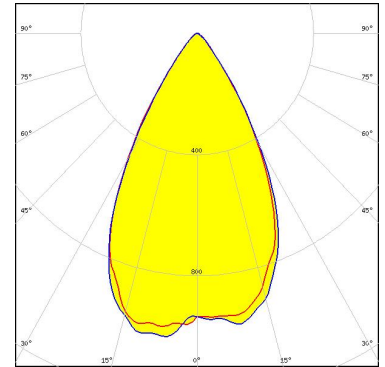


Bender Wirth: 483 Typ L8

### OPTICAL RESULTS (SIMULATED):



LED Vesta TW 9mm (9W) DP  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 58.0° / 82.0°  
 Efficiency 89 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

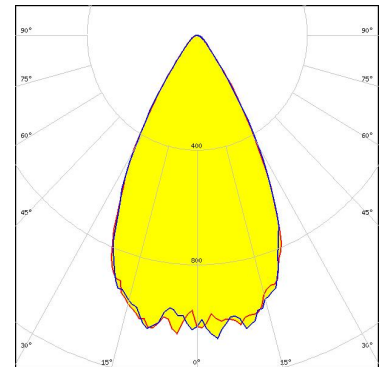


Light distribution files

Bender Wirth: 489 Typ L8

### CITIZEN

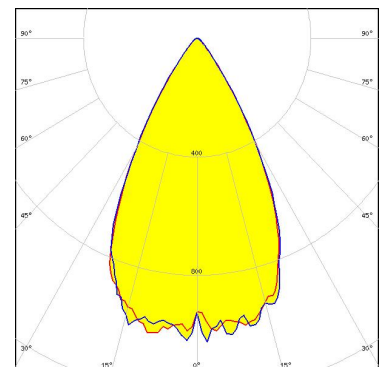
LED CLU03x  
 Ordering code CP19031\_AMY-110-WW-C-WHT  
 FWHM / FWTM 57.0° / 81.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

### CITIZEN

LED CLU03x  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 56.0° / 80.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I

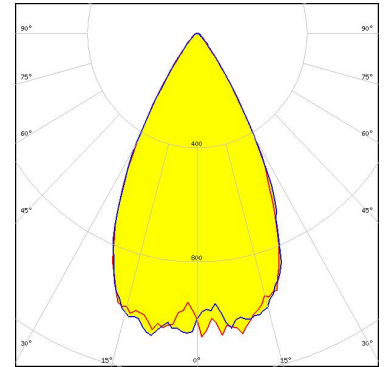


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU03x  
 Ordering code CP18578\_AMY-110-WW-B  
 FWHM / FWTM 56.0° / 78.0°  
 Efficiency 89 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

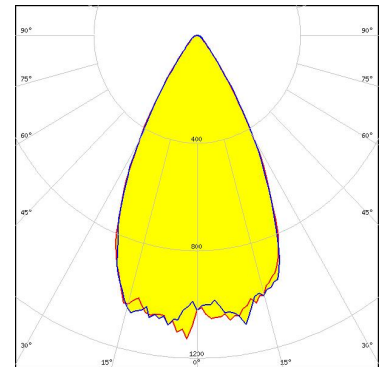


BJB: 47.319.2021

Light distribution files

#### CITIZEN

LED CLU03x  
 Ordering code CP19035\_AMY-110-WW-B-WHT  
 FWHM / FWTM 56.0° / 80.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

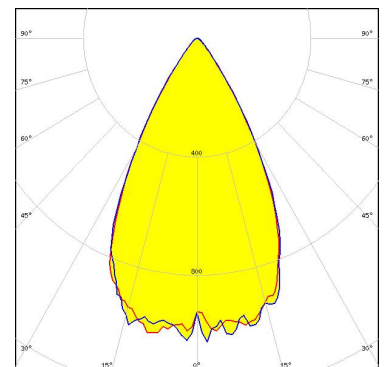


BJB: 47.319.2021

Light distribution files

#### CITIZEN

LED CLU03x  
 Ordering code C18570\_AMY-110-WW  
 FWHM / FWTM 56.0° / 80.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

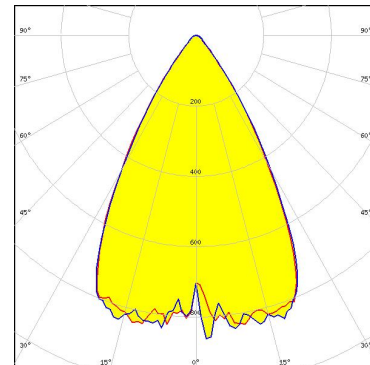
### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU04x  
 Ordering code CP18578\_AMY-110-WW-B  
 FWHM / FWTM 60.0° / 83.0°  
 Efficiency 85 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.319.2030

Light distribution files

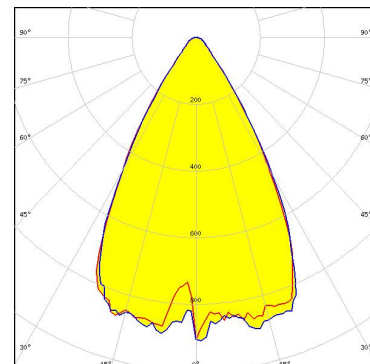


#### CITIZEN

LED CLU04x  
 Ordering code CP19035\_AMY-110-WW-B-WHT  
 FWHM / FWTM 60.0° / 85.0°  
 Efficiency 93 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.319.2030

Light distribution files

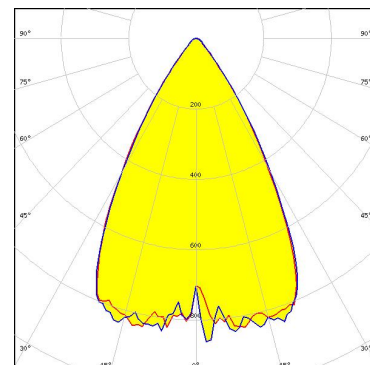


#### CITIZEN

LED CLU04x  
 Ordering code C18570\_AMY-110-WW  
 FWHM / FWTM 60.0° / 83.0°  
 Efficiency 85 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.319.2030

Light distribution files

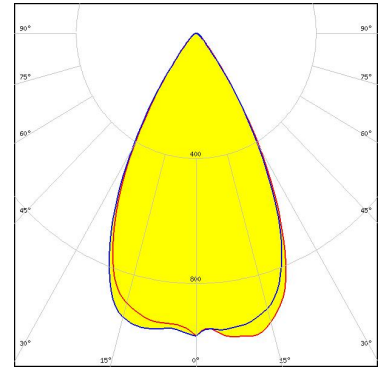




### OPTICAL RESULTS (SIMULATED):



LED CMA1840  
Ordering code CP18574\_AMY-110-WW-C  
FWHM / FWTM 58.0° / 80.0°  
Efficiency 86 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

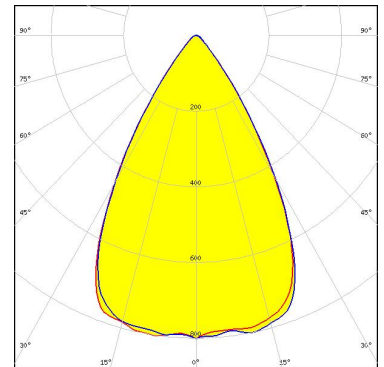


Bender Wirth: 637a Hekla

Light distribution files



LED CMA2550  
Ordering code CP18574\_AMY-110-WW-C  
FWHM / FWTM 62.0° / 85.0°  
Efficiency 82 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

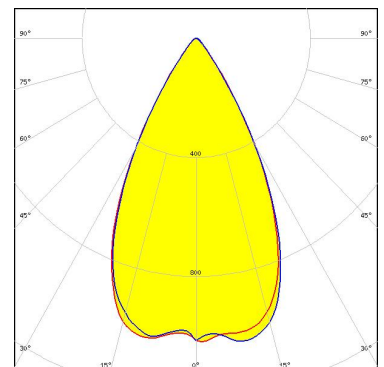


Bender Wirth: 639a Hekla XL

Light distribution files



LED CMB1818-25  
Ordering code CP18574\_AMY-110-WW-C  
FWHM / FWTM 56.0° / 78.0°  
Efficiency 87 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



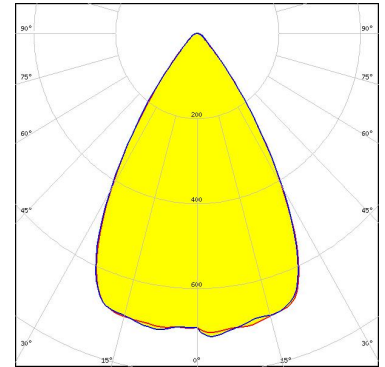
Bender Wirth: 637a Hekla

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED CMU22xx  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 64.0° / 88.0°  
 Efficiency 77 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

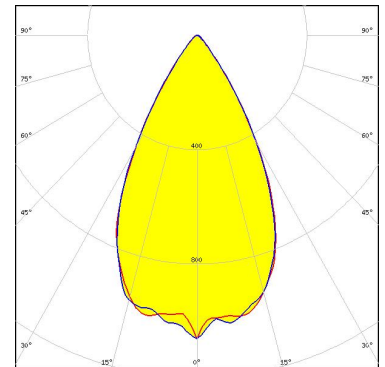


Bender Wirth: 631b Hekla XL

Light distribution files



LED LUXEON CX Plus CoB L08 (Gen2)  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 56.0° / 80.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

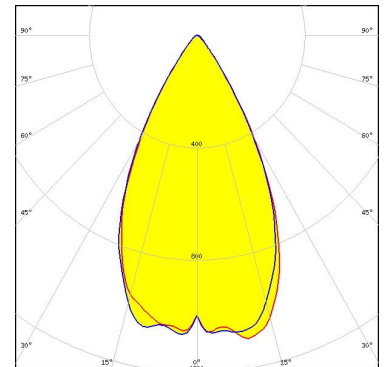


Bender Wirth: 637a Hekla

Light distribution files



LED LUXEON CoB 1204/1205  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 56.0° / 78.0°  
 Efficiency 89 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



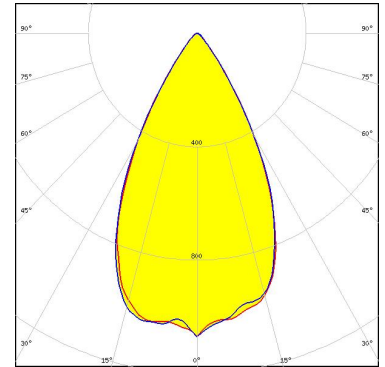
Bender Wirth: 632a Hekla XL

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB 1208  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 56.0° / 80.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

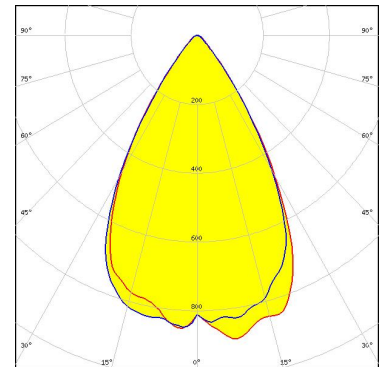


Bender Wirth: 632a Hekla XL

Light distribution files



LED LUXEON CoB 1211  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 62.0° / 86.0°  
 Efficiency 86 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

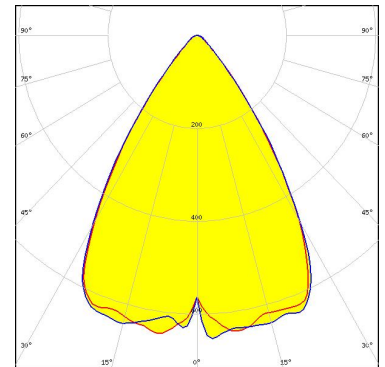


Bender Wirth: 631b Hekla XL

Light distribution files



LED LUXEON CoB 1213/1216/1812  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 68.0° / 92.0°  
 Efficiency 79 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



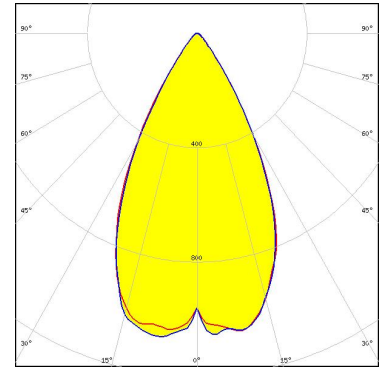
Bender Wirth: 631b Hekla XL

Light distribution files

### OPTICAL RESULTS (SIMULATED):



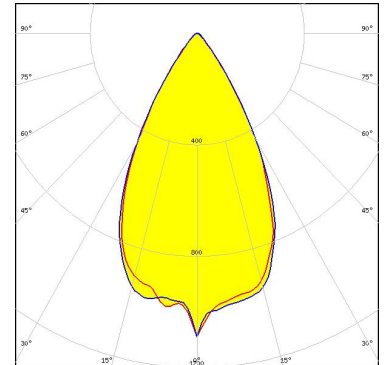
LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 55.0° / 78.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15254\_HEKLA-SOCKET-B



Light distribution files



LED COB J-Type  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 55.0° / 80.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

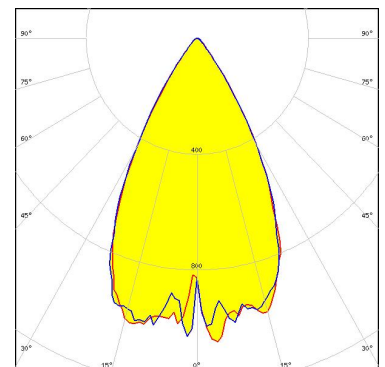


Bender Wirth: 663a Hekla XL

Light distribution files



LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP18578\_AMY-110-WW-B  
 FWHM / FWTM 56.0° / 79.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



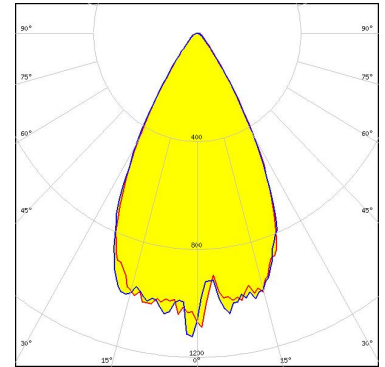
BJB: 47.319.2021

Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19035\_AMY-110-WW-B-WHT  
 FWHM / FWTM 56.0° / 80.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

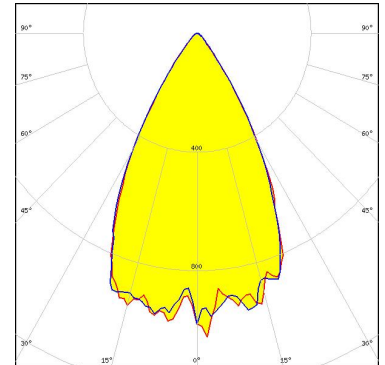


BJB: 47.319.2021

Light distribution files

#### SAMSUNG

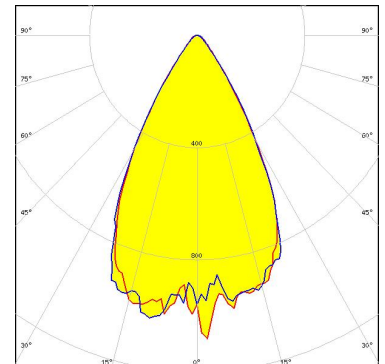
LED LC016D / LC019D / LC026D / LC033D  
 Ordering code C18570\_AMY-110-WW  
 FWHM / FWTM 57.0° / 80.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19031\_AMY-110-WW-C-WHT  
 FWHM / FWTM 57.0° / 81.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I

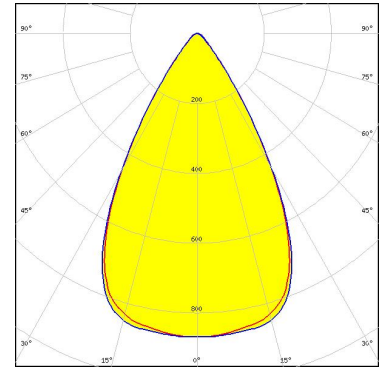


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

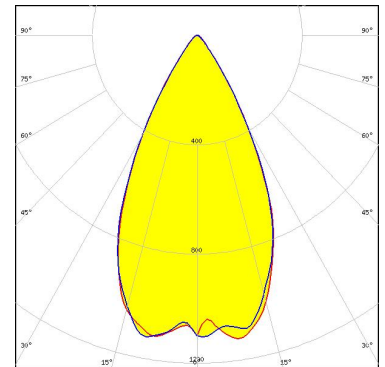
LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 58.0° / 80.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

#### SAMSUNG

LED LC020T (Tunable white)  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 54.0° / 78.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

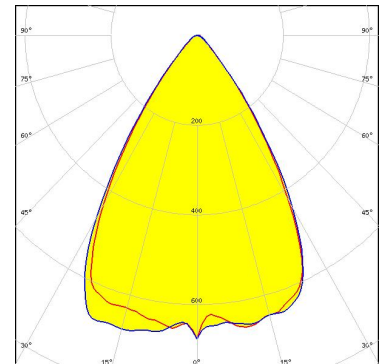


Light distribution files

Bender Wirth: 501 Typ L8

#### SAMSUNG

LED LC040D / LC060D / LC080D  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 66.0° / 90.0°  
 Efficiency 78 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



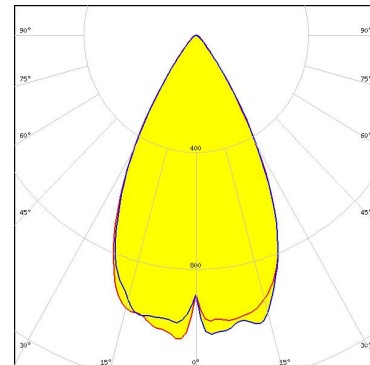
Light distribution files

Bender Wirth: 631b Hekla XL

### OPTICAL RESULTS (SIMULATED):



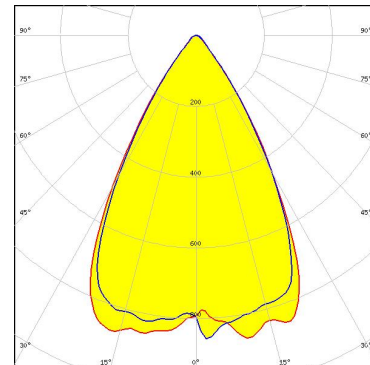
LED MJT COB LES 14.5  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 56.0° / 80.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files



LED MJT COB LES 22  
 Ordering code CP18578\_AMY-110-WW-B  
 FWHM / FWTM 61.0° / 84.0°  
 Efficiency 87 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

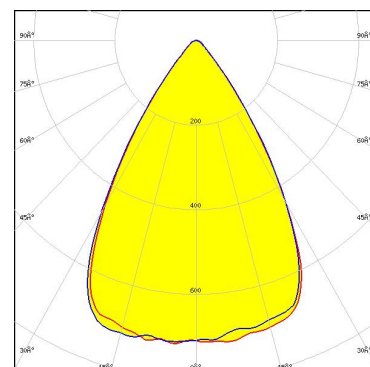


BJB: 47.319.2030

Light distribution files

### TRIDONIC

LED SLE 21mm 6000lm xxx R ADV8  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 65.0° / 88.0°  
 Efficiency 80 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



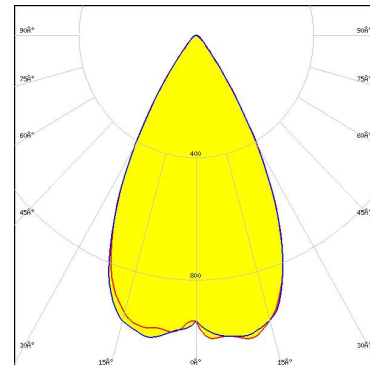
Bender Wirth: 631b Hekla XL

Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### TRIDONIC

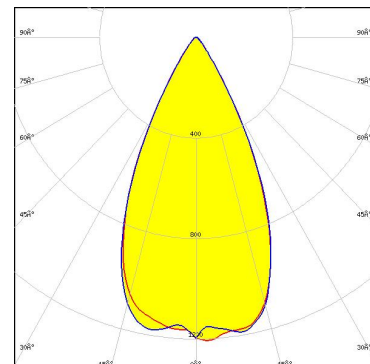
LED SLE G7 LES13  
 Ordering code CP18574\_AMY-110-WW-C  
 FWHM / FWTM 57.0° / 79.0°  
 Efficiency 87 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

#### TRIDONIC

LED SLE G7 LES13 H  
 Ordering code CP18578\_AMY-110-WW-B  
 FWHM / FWTM 51.0° / 72.0°  
 Efficiency 86 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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.

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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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