

AMY-110-W

~36° wide beam

SPECIFICATION:

Dimensions	Ø 109.7
Height	17.3 mm
Fastening	socket
ROHS compliant	yes ⓘ

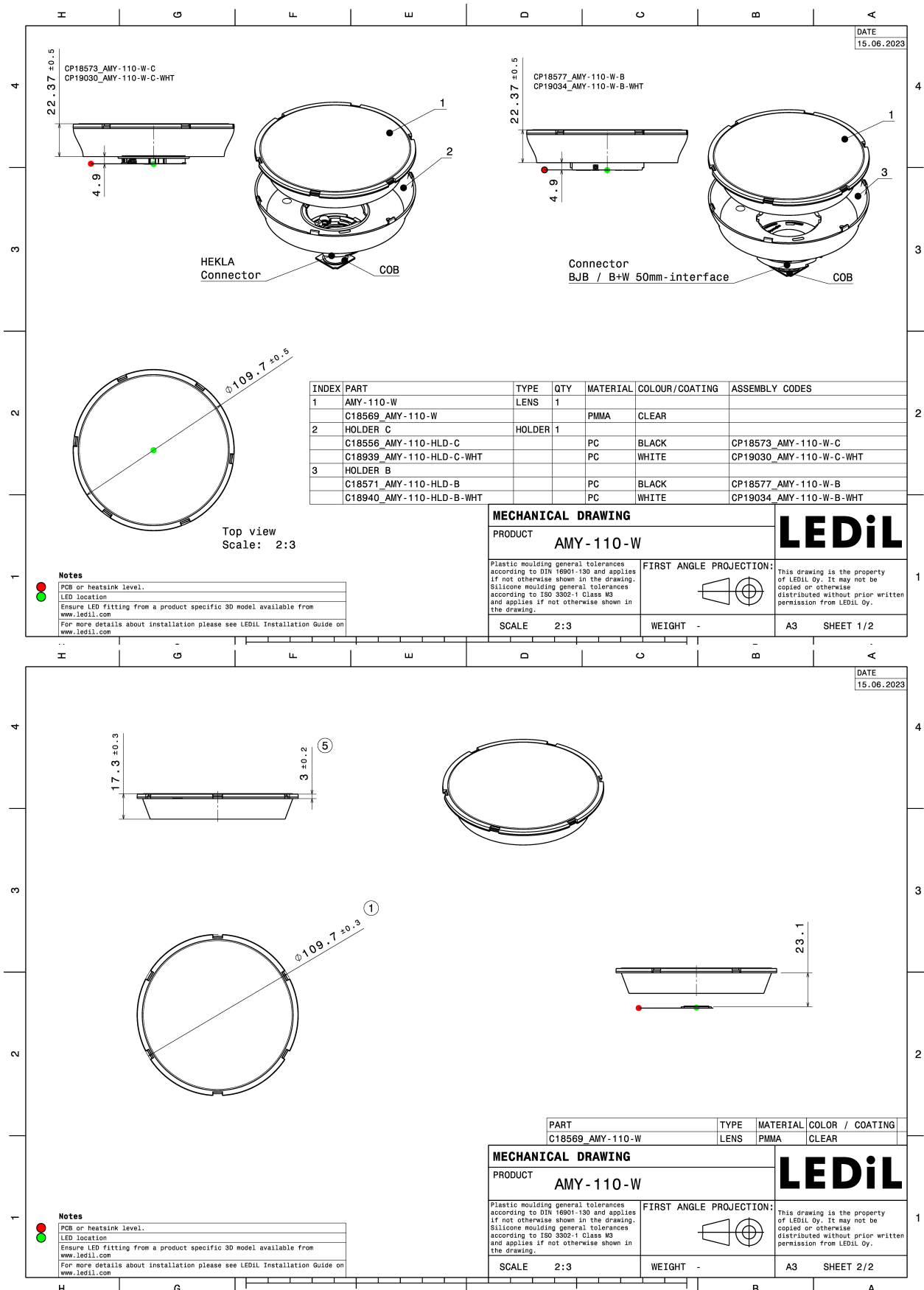
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-110-W	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)
C18569_AMY-110-W	128	128	8	11.3
<b>Assembly</b>				
CP19034_AMY-110-W-B-WHT	77	77	7	8.4
CP19030_AMY-110-W-C-WHT	77	77	7	0.0
CP18577_AMY-110-W-B	77	77	7	8.3
CP18573_AMY-110-W-C	77	77	7	8.6

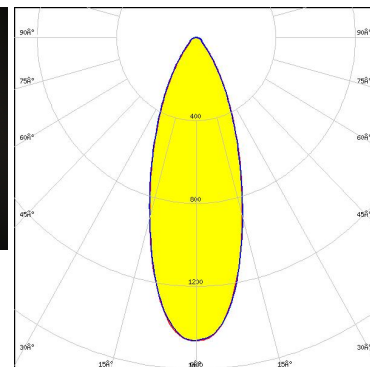
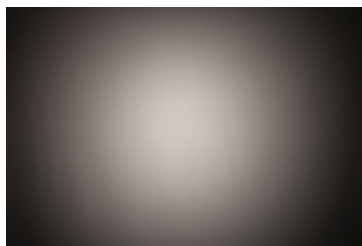


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

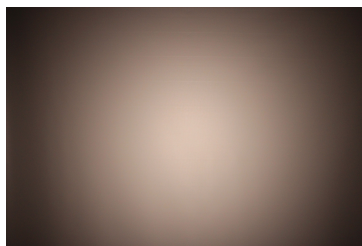
LED LCN-C07A  
 Ordering code C18569\_AMY-110-W  
 FWHM / FWTM 37.0° / 76.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### CITIZEN

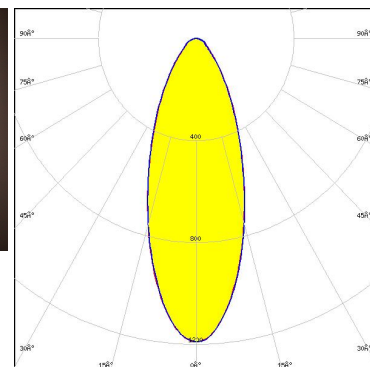
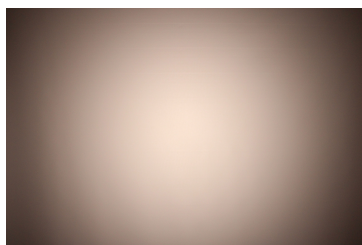
LED LCN-C08A  
 Ordering code C18569\_AMY-110-W  
 FWHM / FWTM 38.0° / 84.0°  
 Efficiency 85 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### CITIZEN

LED LCN-C09A  
 Ordering code C18569\_AMY-110-W  
 FWHM / FWTM 38.0° / 86.0°  
 Efficiency 84 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



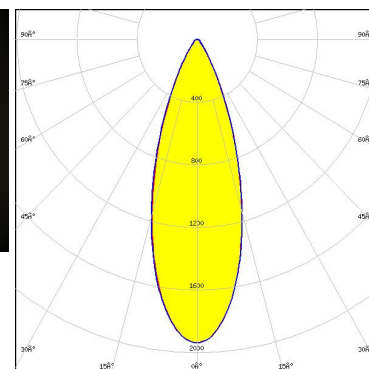
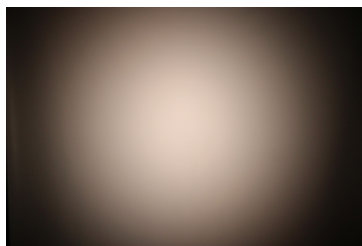
Light distribution files



## OPTICAL RESULTS (MEASURED):



LED CTM-14 (Tunable White) Gen2  
Ordering code CP18573\_AMY-110-W-C  
FWHM / FWTM 35.0° / 63.5°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C16142\_HEKLA-SOCKET-K  
Bender Wirth: 442 Typ L8

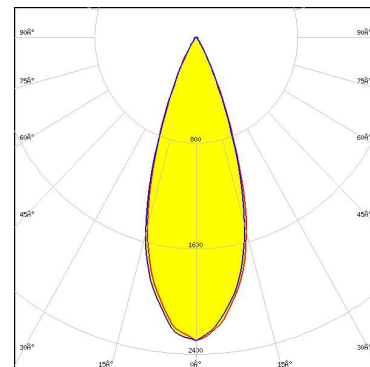


Light distribution files

### OPTICAL RESULTS (SIMULATED):



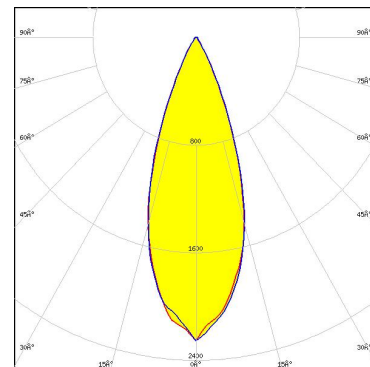
LED V10 Gen 8-9  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 36.0° / 58.0°  
 Efficiency 92 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files



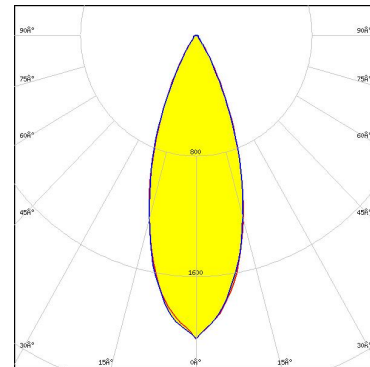
LED V11 HD Gen 8  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 36.0° / 59.0°  
 Efficiency 92 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files



LED V13 Gen 8-9  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 36.0° / 63.0°  
 Efficiency 90 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

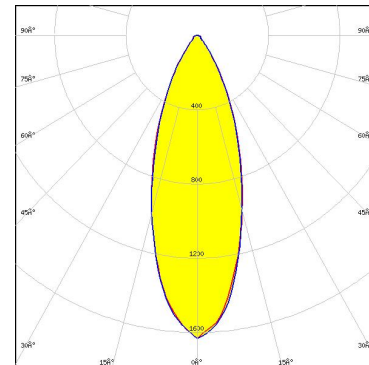


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED V18 Gen 8-9  
Ordering code CP18573\_AMY-110-W-C  
FWHM / FWTM 36.0° / 71.0°  
Efficiency 84 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C16142\_HEKLA-SOCKET-K

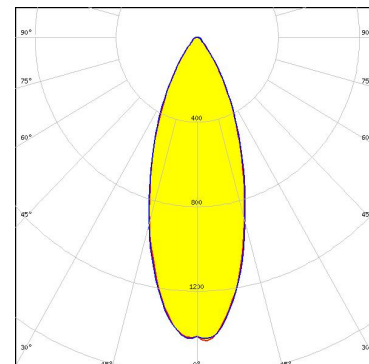


Light distribution files

Bender Wirth: 462 Typ L8



LED V22 Gen 8-9  
Ordering code CP18573\_AMY-110-W-C  
FWHM / FWTM 38.0° / 75.0°  
Efficiency 81 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

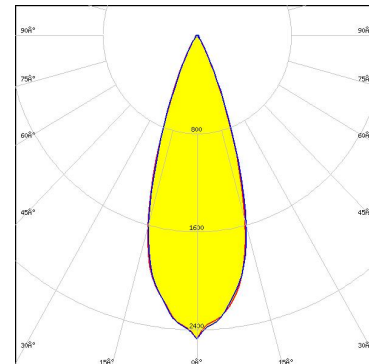


Light distribution files

Bender Wirth: 631b Hekla XL



LED V8 Gen 8-9  
Ordering code CP18573\_AMY-110-W-C  
FWHM / FWTM 36.0° / 55.0°  
Efficiency 92 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15253\_HEKLA-SOCKET-A

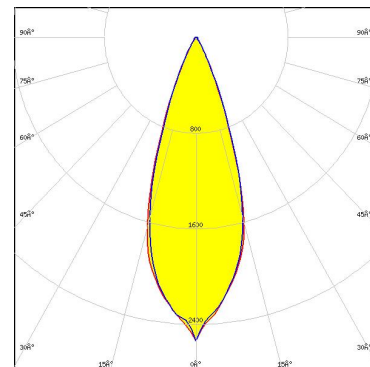


Light distribution files

### OPTICAL RESULTS (SIMULATED):



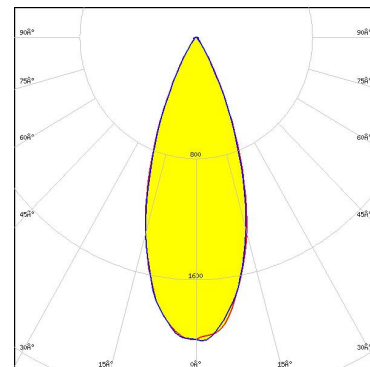
**LED** V9 HD Gen 8  
**Ordering code** CP18573\_AMY-110-W-C  
**FWHM / FWTM** 36.0° / 55.0°  
**Efficiency** 92 %  
**Peak intensity** 2.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15859\_HEKLA-SOCKET-I



Light distribution files



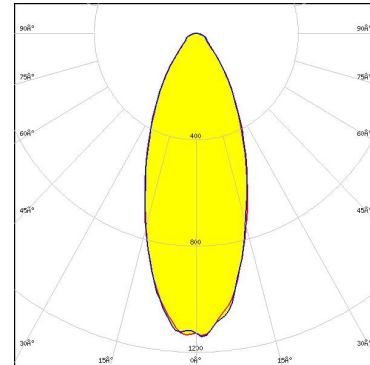
**LED** Vero SE 10  
**Ordering code** CP18573\_AMY-110-W-C  
**FWHM / FWTM** 38.0° / 62.0°  
**Efficiency** 92 %  
**Peak intensity** 2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K



Light distribution files



**LED** Vero SE 29  
**Ordering code** CP19030\_AMY-110-W-C-WHT  
**FWHM / FWTM** 40.0° / 86.0°  
**Efficiency** 85 %  
**Peak intensity** 1.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

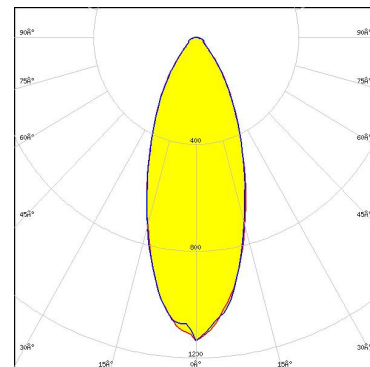


Light distribution files

### OPTICAL RESULTS (SIMULATED):



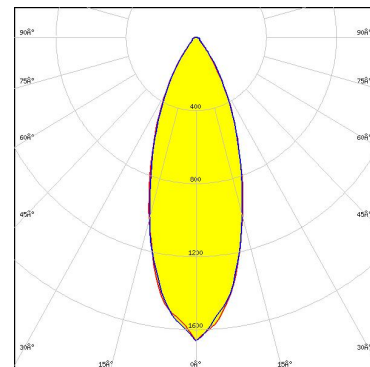
LED: Vero SE 29  
 Ordering code: CP18573\_AMY-110-W-C  
 FWHM / FWTM: 40.0° / 83.0°  
 Efficiency: 77 %  
 Peak intensity: 1.1 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



Light distribution files



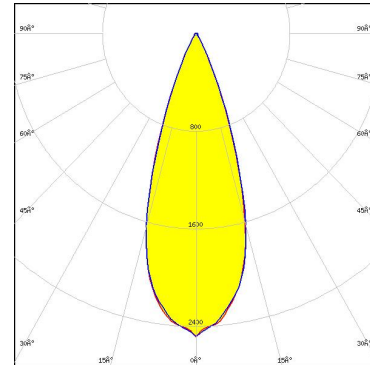
LED: VERO18  
 Ordering code: CP18573\_AMY-110-W-C  
 FWHM / FWTM: 37.0° / 73.0°  
 Efficiency: 89 %  
 Peak intensity: 1.7 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



Light distribution files



LED: Vesta DTW 13mm (21W)  
 Ordering code: CP18573\_AMY-110-W-C  
 FWHM / FWTM: 36.0° / 54.0°  
 Efficiency: 93 %  
 Peak intensity: 2.5 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



Light distribution files

Bender Wirth: 632b Hekla XL

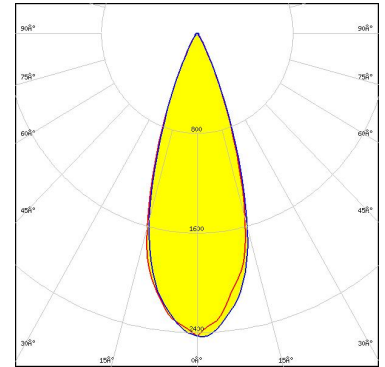
### OPTICAL RESULTS (SIMULATED):



LED Vesta DTW 9mm (4W/6W/12W)  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 36.0° / 55.0°  
 Efficiency 93 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 652b Hekla

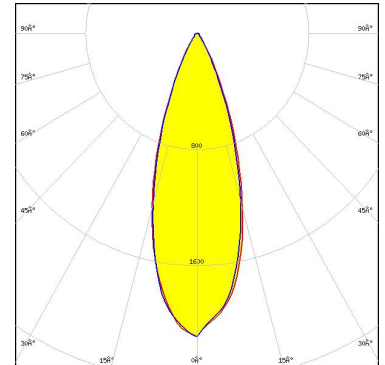
Light distribution files



LED Vesta SE 13mm TW  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 34.0° / 60.0°  
 Efficiency 86 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:

C16142\_HEKLA-SOCKET-K

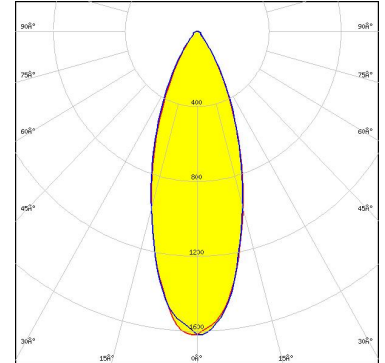
Light distribution files



LED Vesta TW 18mm (31W) DP  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 36.0° / 71.0°  
 Efficiency 84 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

C16142\_HEKLA-SOCKET-K

Light distribution files

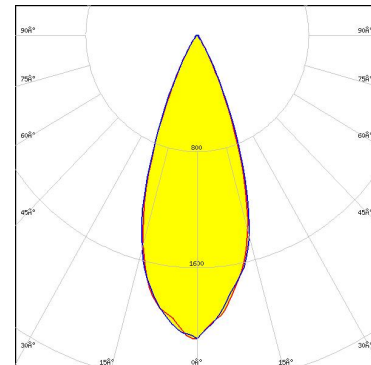


Bender Wirth: 483 Typ L8

#### OPTICAL RESULTS (SIMULATED):



LED Vesta TW 9mm (9W) DP  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 39.0° / 60.0°  
 Efficiency 93 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

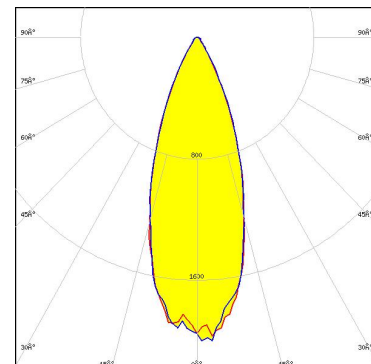


Light distribution files

Bender Wirth: 489 Typ L8

#### CITIZEN

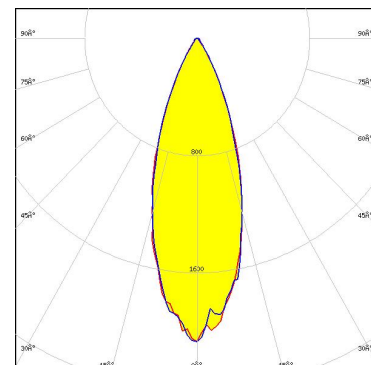
LED CLU03x  
 Ordering code CP19030\_AMY-110-W-C-WHT  
 FWHM / FWTM 37.0° / 64.0°  
 Efficiency 95 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

#### CITIZEN

LED CLU03x  
 Ordering code C18569\_AMY-110-W  
 FWHM / FWTM 35.0° / 62.0°  
 Efficiency 90 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

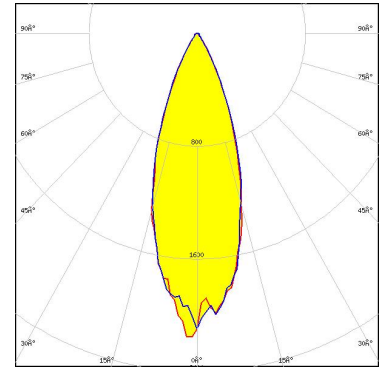
### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU03x  
 Ordering code CP18577\_AMY-110-W-B  
 FWHM / FWTM 35.0° / 62.0°  
 Efficiency 91 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.319.2021

Light distribution files

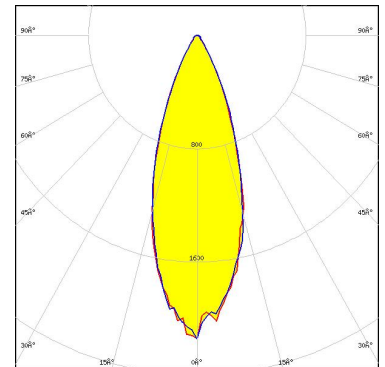


#### CITIZEN

LED CLU03x  
 Ordering code CP19034\_AMY-110-W-B-WHT  
 FWHM / FWTM 35.0° / 62.0°  
 Efficiency 95 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.319.2021

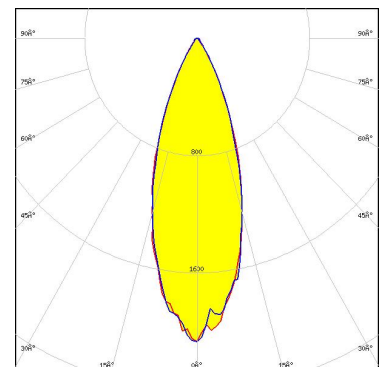
Light distribution files



#### CITIZEN

LED CLU03x  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 35.0° / 62.0°  
 Efficiency 90 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I

Light distribution files



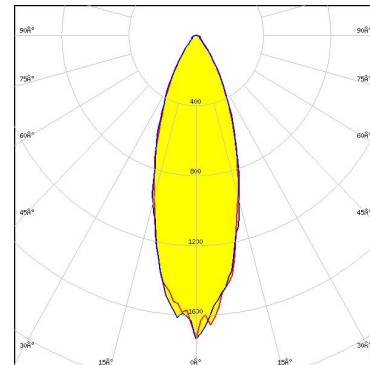


#### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU04x  
 Ordering code C18569\_AMY-110-W  
 FWHM / FWTM 34.0° / 71.0°  
 Efficiency 87 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.319.2030

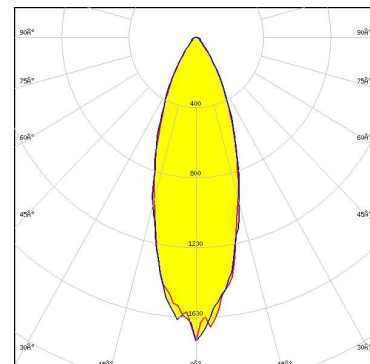


Light distribution files

#### CITIZEN

LED CLU04x  
 Ordering code CP18577\_AMY-110-W-B  
 FWHM / FWTM 34.0° / 71.0°  
 Efficiency 87 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.319.2030

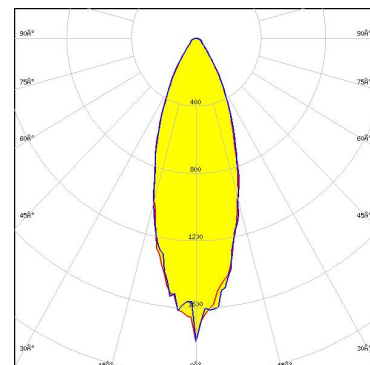


Light distribution files

#### CITIZEN

LED CLU04x  
 Ordering code CP19034\_AMY-110-W-B-WHT  
 FWHM / FWTM 34.0° / 72.0°  
 Efficiency 94 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.319.2030

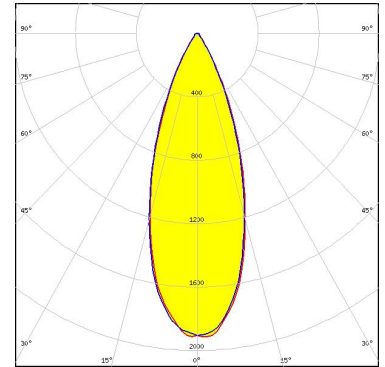


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED CMA1840  
Ordering code CP18573\_AMY-110-W-C  
FWHM / FWTM 37.0° / 64.0°  
Efficiency 88 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

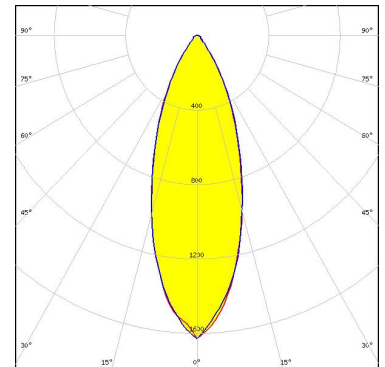


Bender Wirth: 637a Hekla

Light distribution files



LED CMA2550  
Ordering code CP18573\_AMY-110-W-C  
FWHM / FWTM 36.0° / 72.0°  
Efficiency 85 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

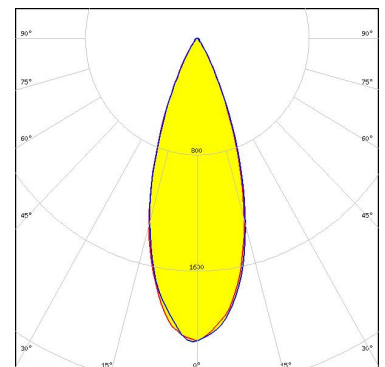


Bender Wirth: 639a Hekla XL

Light distribution files



LED CMB1818-25  
Ordering code CP18573\_AMY-110-W-C  
FWHM / FWTM 36.0° / 60.0°  
Efficiency 89 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



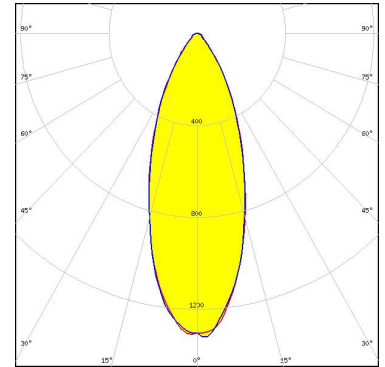
Bender Wirth: 637a Hekla

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED CMU22xx  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 38.0° / 78.0°  
 Efficiency 79 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

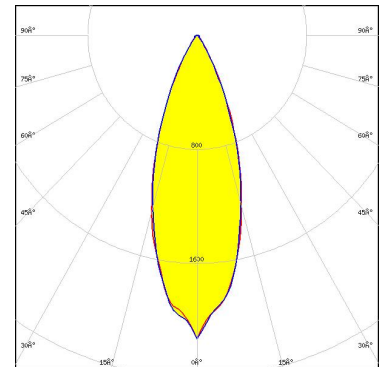


Bender Wirth: 631b Hekla XL

Light distribution files



LED LUXEON CX Plus CoB L08 (Gen2)  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 36.0° / 62.0°  
 Efficiency 91 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

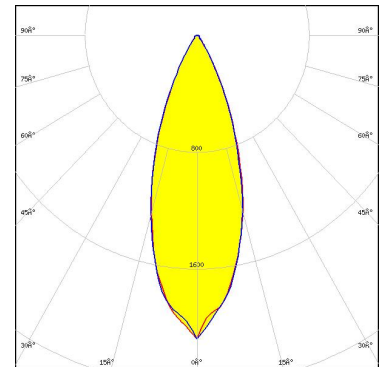


Bender Wirth: 637a Hekla

Light distribution files



LED LUXEON CoB 1208  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 36.0° / 62.0°  
 Efficiency 91 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Bender Wirth: 632a Hekla XL

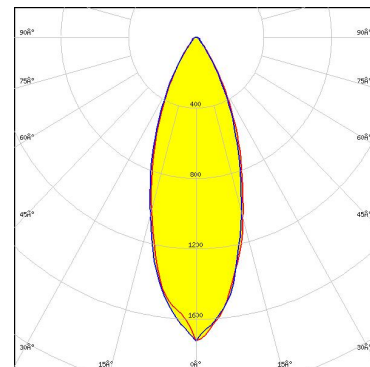
Light distribution files

#### OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB 1211  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 37.0° / 71.0°  
 Efficiency 89 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 631b Hekla XL

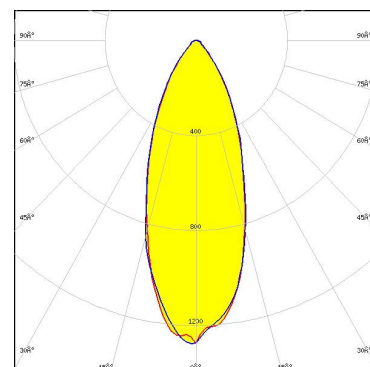


Light distribution files



LED LUXEON CoB 1213/1216/1812  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 39.0° / 81.0°  
 Efficiency 81 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

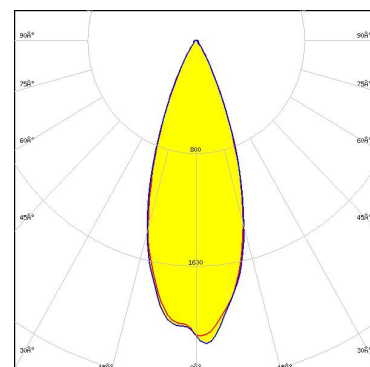
Bender Wirth: 631b Hekla XL



Light distribution files



LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 36.0° / 60.0°  
 Efficiency 91 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15254\_HEKLA-SOCKET-B

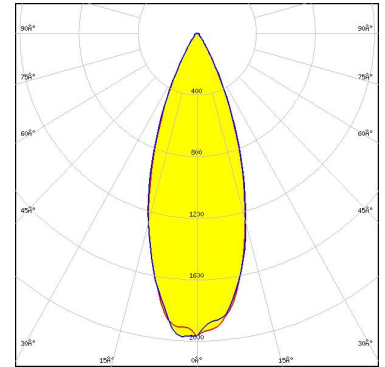


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



LED COB J-Type  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 38.0° / 64.0°  
 Efficiency 91 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

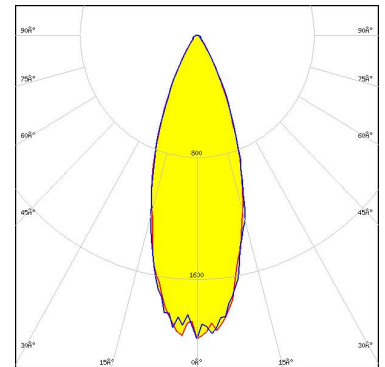


Bender Wirth: 663a Hekla XL

Light distribution files



LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19034\_AMY-110-W-B-WHT  
 FWHM / FWTM 36.0° / 66.0°  
 Efficiency 95 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

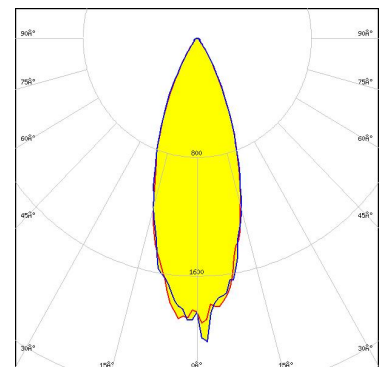


BJB: 47.319.2021

Light distribution files



LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 35.0° / 65.0°  
 Efficiency 89 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I

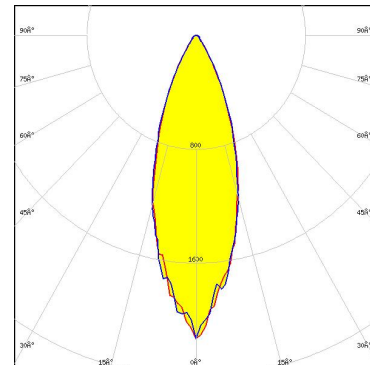


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

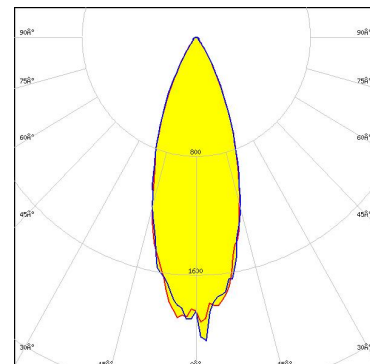
LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19030\_AMY-110-W-C-WHT  
 FWHM / FWTM 34.0° / 65.0°  
 Efficiency 95 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

#### SAMSUNG

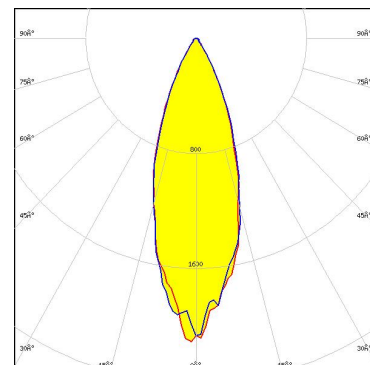
LED LC016D / LC019D / LC026D / LC033D  
 Ordering code C18569\_AMY-110-W  
 FWHM / FWTM 35.0° / 65.0°  
 Efficiency 89 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP18577\_AMY-110-W-B  
 FWHM / FWTM 34.0° / 64.0°  
 Efficiency 90 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



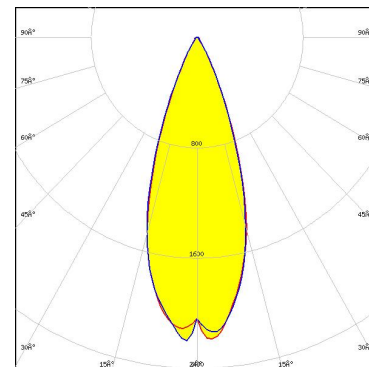
Light distribution files

BJB: 47.319.2021

#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED LC020T (Tunable white)  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 37.0° / 58.0°  
 Efficiency 92 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

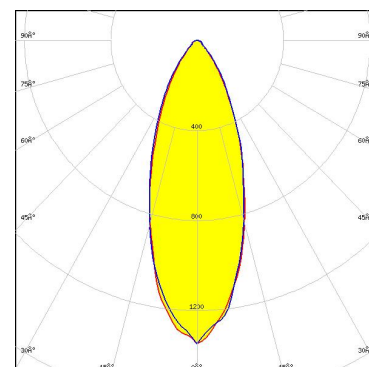


Light distribution files

Bender Wirth: 501 Typ L8

### SAMSUNG

LED LC040D / LC060D / LC080D  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 38.0° / 79.0°  
 Efficiency 80 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

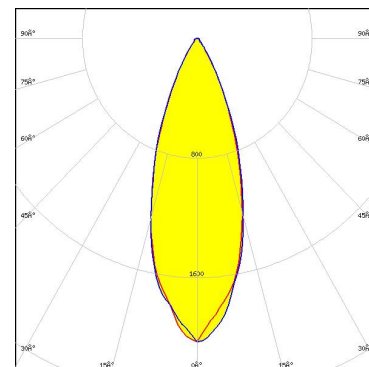


Light distribution files

Bender Wirth: 631b Hekla XL



LED MJT COB LES 14.5  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 36.0° / 64.0°  
 Efficiency 90 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



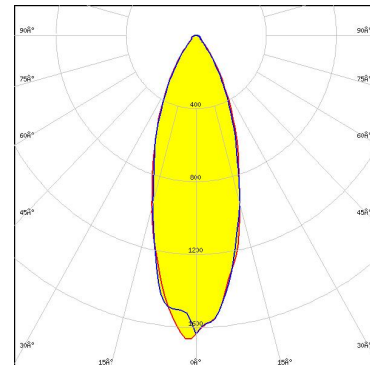
Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED MJT COB LES 22  
 Ordering code CP18577\_AMY-110-W-B  
 FWHM / FWTM 35.0° / 73.0°  
 Efficiency 88 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

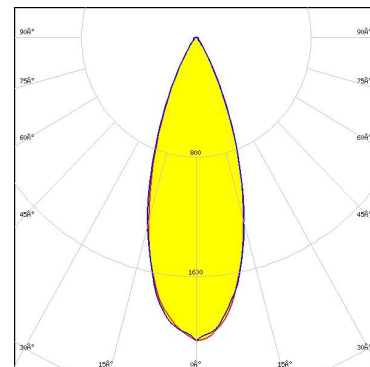
BJB: 47.319.2030



Light distribution files

### TRIDONIC

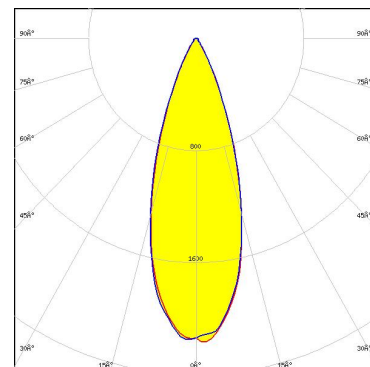
LED SLE G7 LES13  
 Ordering code CP18573\_AMY-110-W-C  
 FWHM / FWTM 36.0° / 62.0°  
 Efficiency 89 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

### TRIDONIC

LED SLE G7 LES13 H  
 Ordering code CP18577\_AMY-110-W-B  
 FWHM / FWTM 34.0° / 60.0°  
 Efficiency 88 %  
 Peak intensity 2.2 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.

### 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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