

## AMY-110-M

~24° medium beam

### SPECIFICATION:

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

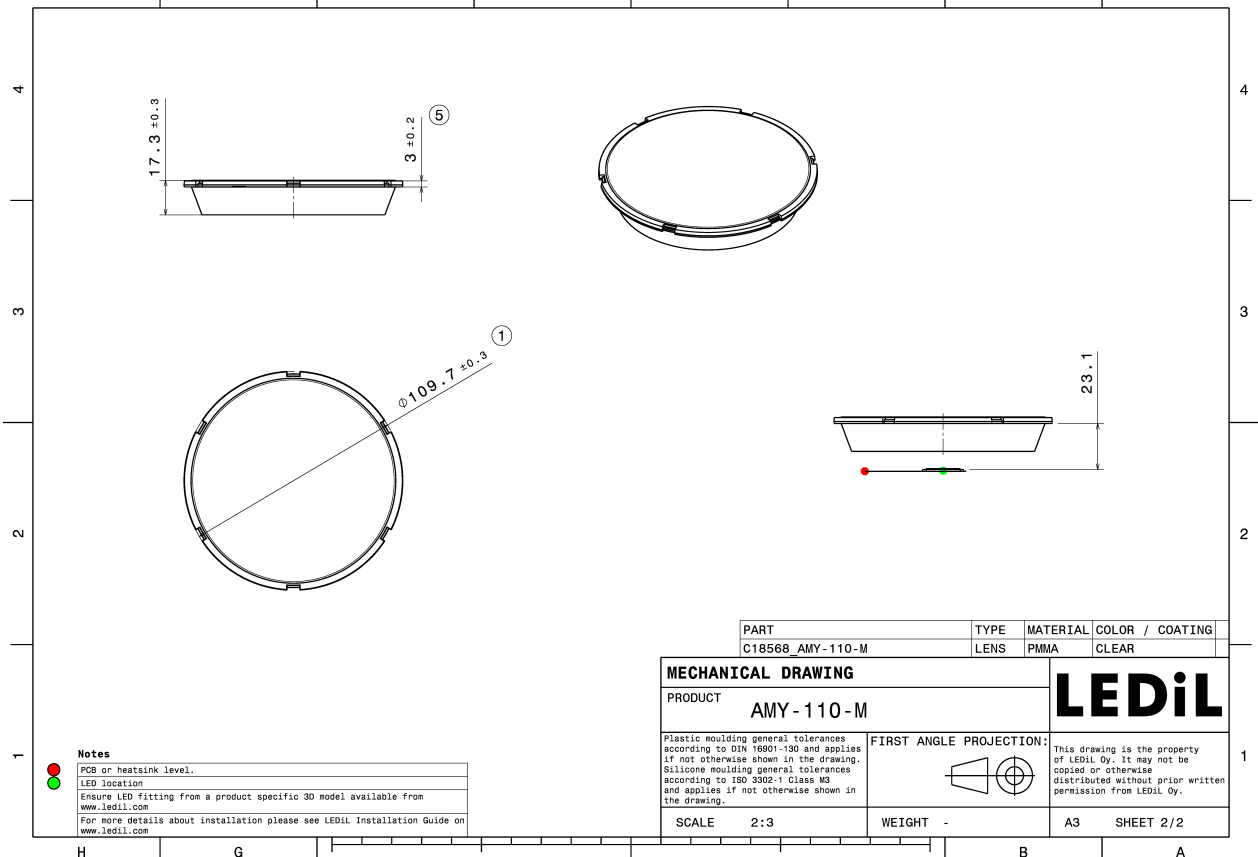
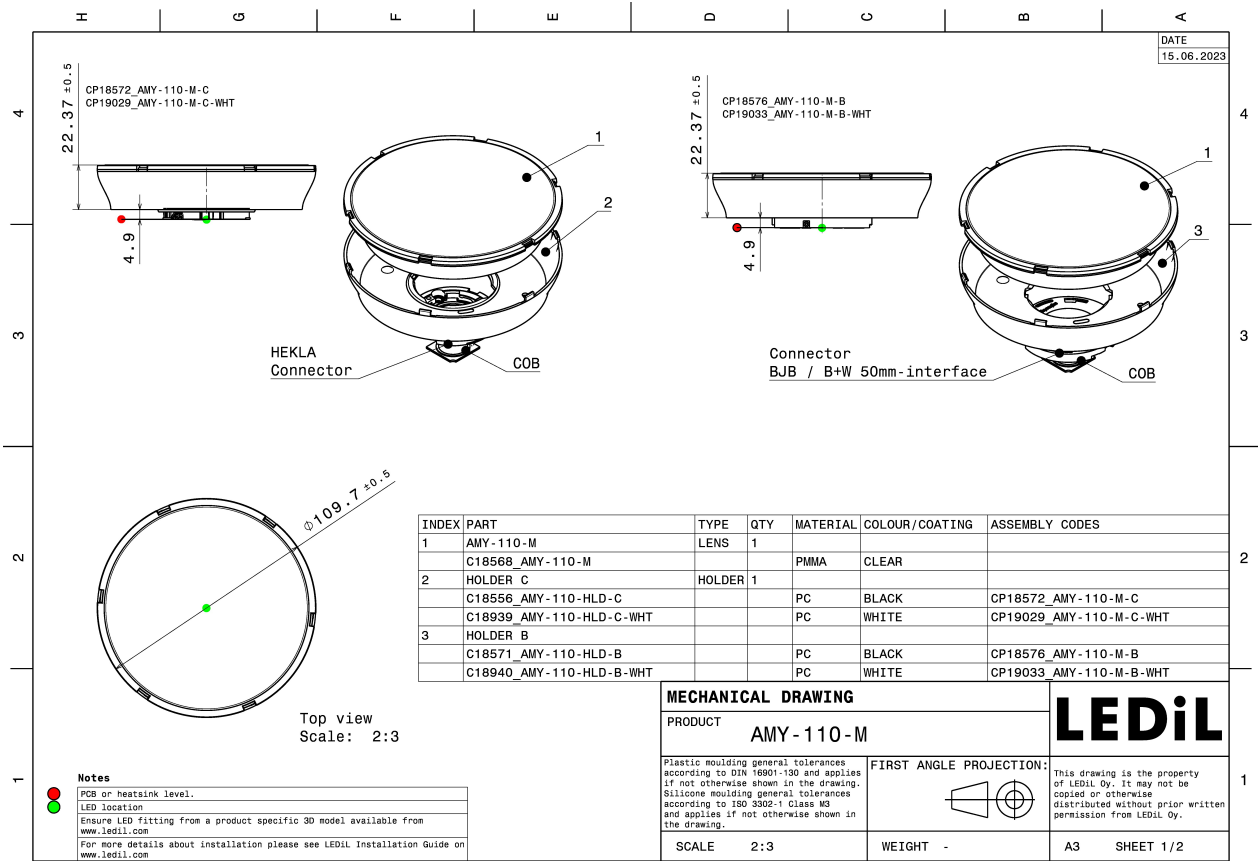
### MATERIALS:

Component	Type	Material	Colour	Finish	Length
AMY-110-M	Single lens	PMMA	clear		109.7
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)
C18568_AMY-110-M	128	128	8	10.8
<b>Assembly</b>				
CP19033_AMY-110-M-B-WHT	77	77	7	8.5
CP19029_AMY-110-M-C-WHT	77	77	7	8.5
CP18576_AMY-110-M-B	77	77	7	8.5
CP18572_AMY-110-M-C	77	77	7	8.6

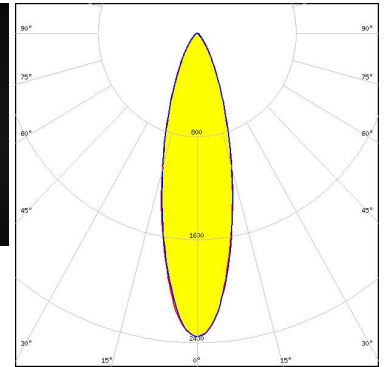
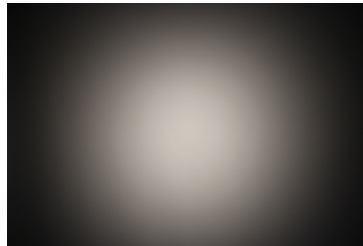


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

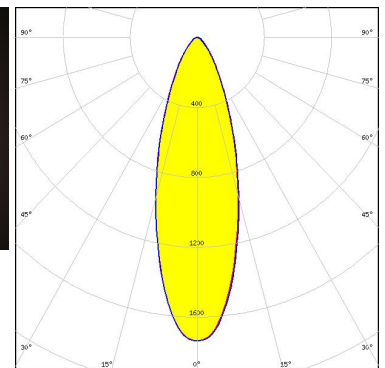
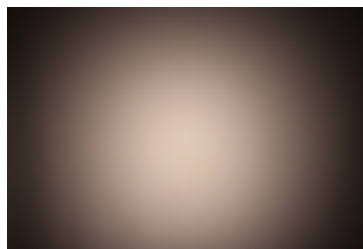
#### CITIZEN

LED LCN-C07A  
Ordering code C18568\_AMY-110-M  
FWHM / FWTM 28.0° / 61.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour/type White  
Required components:



#### CITIZEN

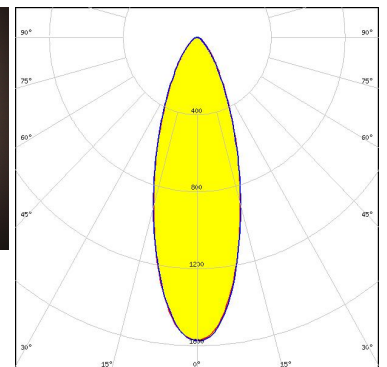
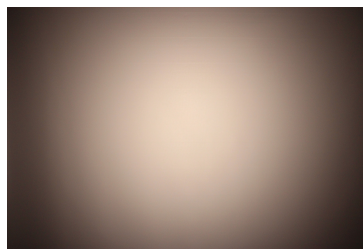
LED LCN-C08A  
Ordering code C18568\_AMY-110-M  
FWHM / FWTM 33.0° / 72.0°  
Efficiency 87 %  
LEDs/each optic 1  
Light colour/type White  
Required components:





## CITIZEN

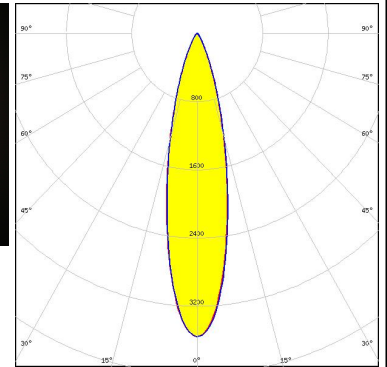
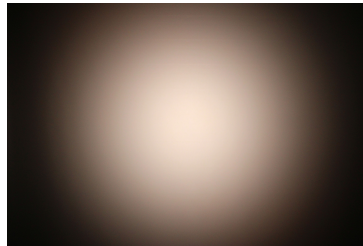
LED LCN-C09A  
Ordering code C18568\_AMY-110-M  
FWHM / FWTM 34.0° / 75.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour/type White  
Required components:



### OPTICAL RESULTS (MEASURED):



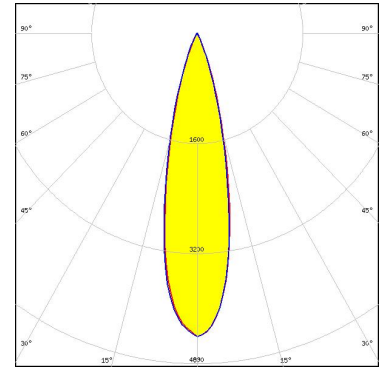
LED CTM-14 (Tunable White) Gen2  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 24.0° / 49.0°  
Efficiency 89 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C16142\_HEKLA-SOCKET-K  
Bender Wirth: 442 Typ L8



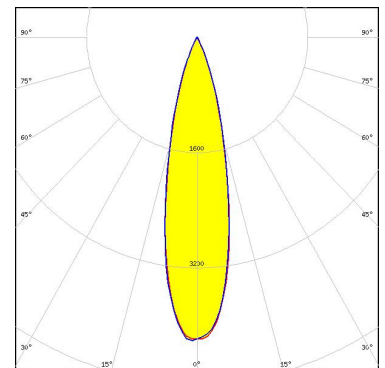
### OPTICAL RESULTS (SIMULATED):



LED V10 Gen 8-9  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 24.0° / 44.0°  
Efficiency 93 %  
Peak intensity 4.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15255\_HEKLA-SOCKET-C



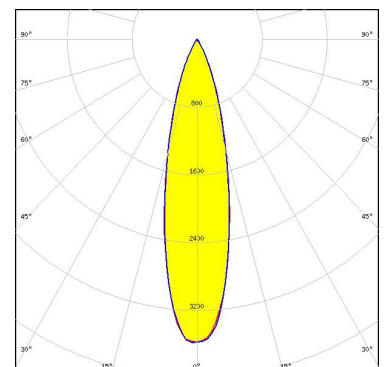
LED V11 HD Gen 8  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 24.0° / 46.0°  
Efficiency 93 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15859\_HEKLA-SOCKET-I





LED	V13 Gen 8-9
Ordering code	CP18572_AMY-110-M-C
FWHM / FWTM	26.0° / 52.0°
Efficiency	92 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:  
F15859\_HEKLA-SOCKET-I

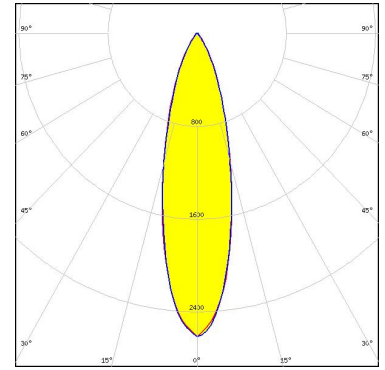




### OPTICAL RESULTS (SIMULATED):



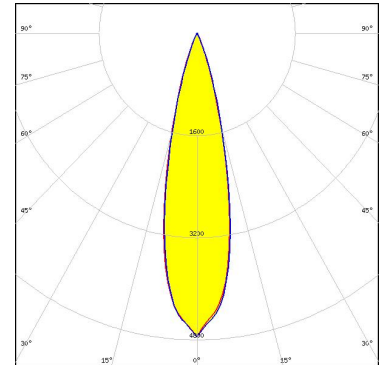
LED V18 Gen 8-9  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 28.0° / 59.0°  
Efficiency 86 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C16142\_HEKLA-SOCKET-K



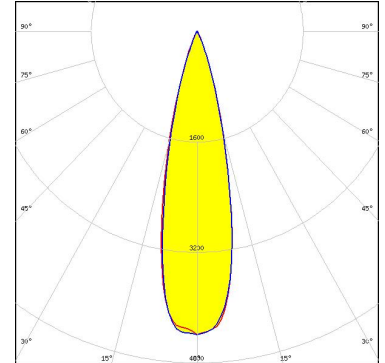
Bender Wirth: 462 Typ L8



LED V8 Gen 8-9  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 24.0° / 42.0°  
Efficiency 93 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15253\_HEKLA-SOCKET-A



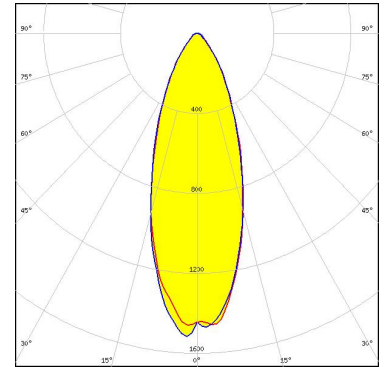
LED V9 HD Gen 8  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 26.0° / 43.0°  
Efficiency 93 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15859\_HEKLA-SOCKET-I



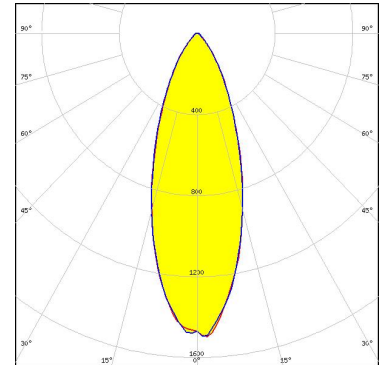
### OPTICAL RESULTS (SIMULATED):



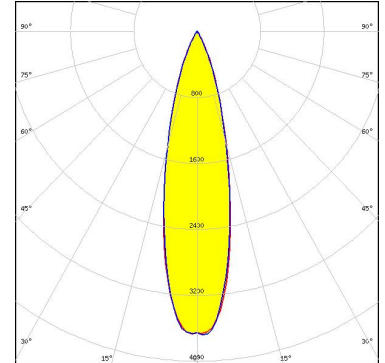
**LED** Vero SE 29  
**Ordering code** CP19029\_AMY-110-M-C-WHT  
**FWHM / FWTM** 36.0° / 78.0°  
**Efficiency** 88 %  
**Peak intensity** 1.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



**LED** Vero SE 29  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 36.0° / 75.0°  
**Efficiency** 81 %  
**Peak intensity** 1.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



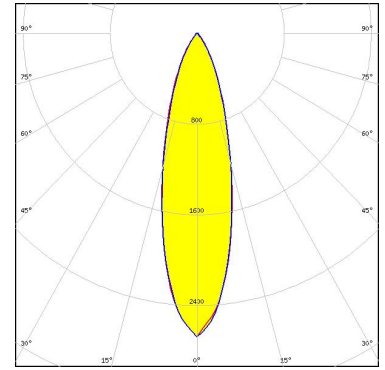
**LED** VERO13  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 26.0° / 50.0°  
**Efficiency** 93 %  
**Peak intensity** 3.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K



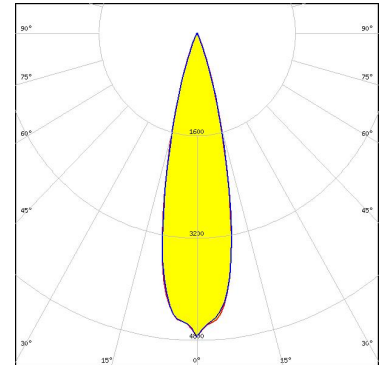
### OPTICAL RESULTS (SIMULATED):



**LED** VERO18  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 28.0° / 60.0°  
**Efficiency** 92 %  
**Peak intensity** 2.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K



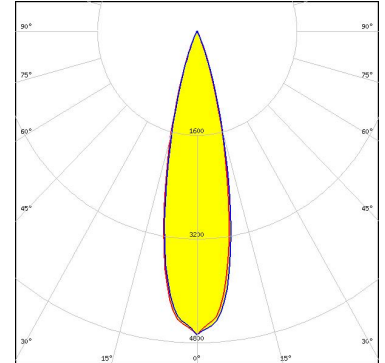
**LED** Vesta DTW 13mm (21W)  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 24.0° / 40.0°  
**Efficiency** 94 %  
**Peak intensity** 4.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Bender Wirth: 632b Hekla XL



**LED** Vesta DTW 9mm (4W/6W/12W)  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 24.0° / 42.0°  
**Efficiency** 94 %  
**Peak intensity** 4.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

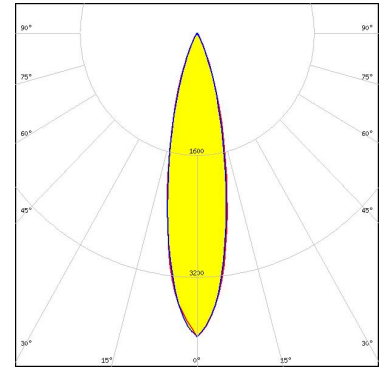


Bender Wirth: 652b Hekla

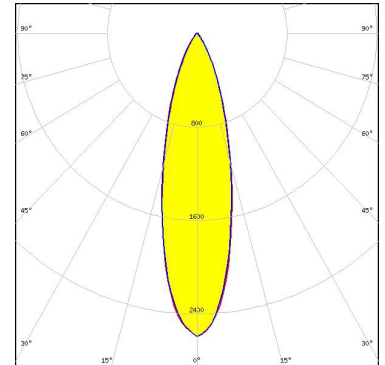
### OPTICAL RESULTS (SIMULATED):



**LED** Vesta SE 13mm TW  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 24.0° / 47.0°  
**Efficiency** 87 %  
**Peak intensity** 4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K



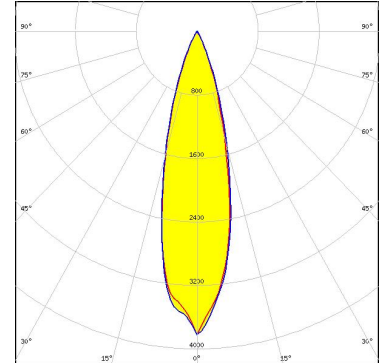
**LED** Vesta TW 18mm (31W) DP  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 28.0° / 58.0°  
**Efficiency** 86 %  
**Peak intensity** 2.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K



Bender Wirth: 483 Typ L8



**LED** Vesta TW 9mm (9W) DP  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 26.0° / 49.0°  
**Efficiency** 94 %  
**Peak intensity** 3.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K

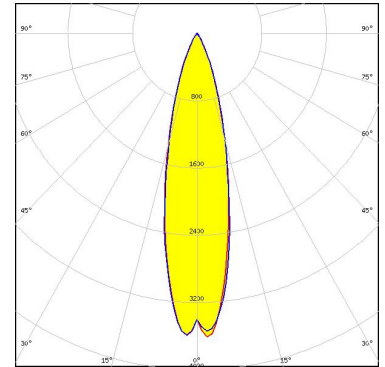


Bender Wirth: 489 Typ L8

### OPTICAL RESULTS (SIMULATED):

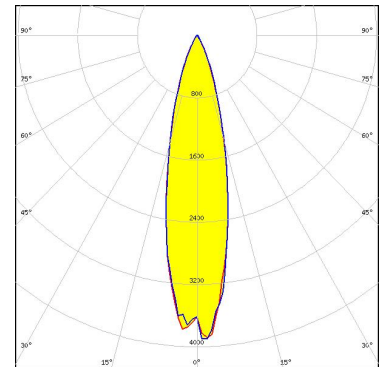
#### CITIZEN

LED CLL03x/CLU03x  
Ordering code C18568\_AMY-110-M  
FWHM / FWTM 24.0° / 50.0°  
Efficiency 91 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I



#### CITIZEN

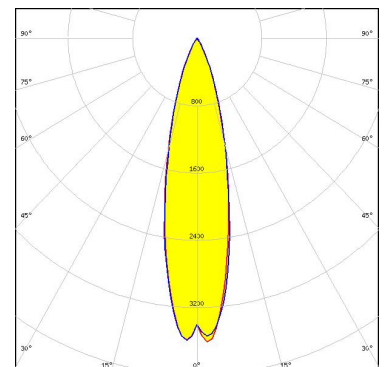
LED CLL03x/CLU03x  
Ordering code CP19033\_AMY-110-M-B-WHT  
FWHM / FWTM 24.0° / 50.0°  
Efficiency 96 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



BJB: 47.319.2021

#### CITIZEN

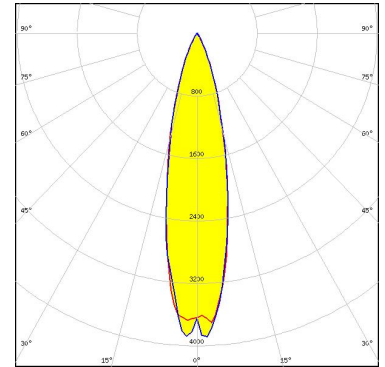
LED CLL03x/CLU03x  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 24.0° / 50.0°  
Efficiency 91 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I



### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

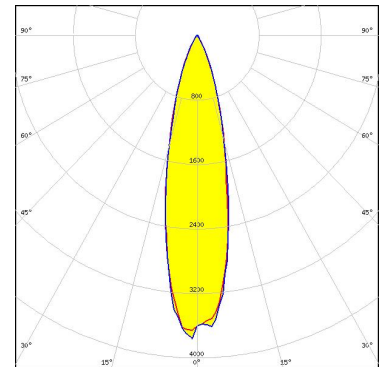
LED CLL03x/CLU03x  
Ordering code CP18576\_AMY-110-M-B  
FWHM / FWTM 24.0° / 49.0°  
Efficiency 92 %  
Peak intensity 3.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



BJB: 47.319.2021

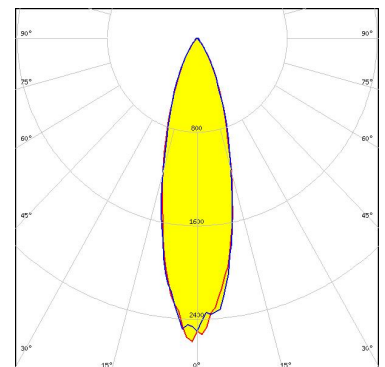
#### CITIZEN

LED CLL03x/CLU03x  
Ordering code CP19029\_AMY-110-M-C-WHT  
FWHM / FWTM 25.0° / 50.0°  
Efficiency 96 %  
Peak intensity 3.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I



#### CITIZEN

LED CLL04x/CLU04x  
Ordering code C18568\_AMY-110-M  
FWHM / FWTM 28.0° / 60.0°  
Efficiency 90 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

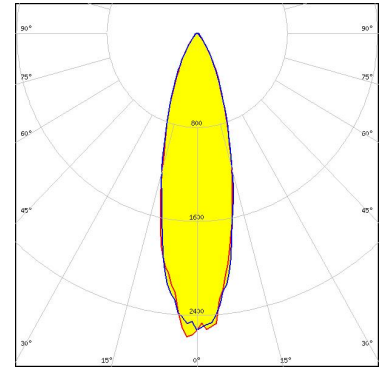


BJB: 47.319.2030

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

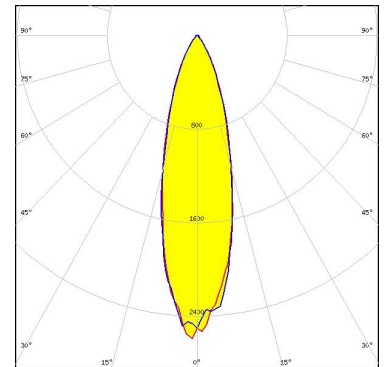
LED CLL04x/CLU04x  
 Ordering code CP19033\_AMY-110-M-B-WHT  
 FWHM / FWTM 29.0° / 62.0°  
 Efficiency 95 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



BJB: 47.319.2030

#### CITIZEN

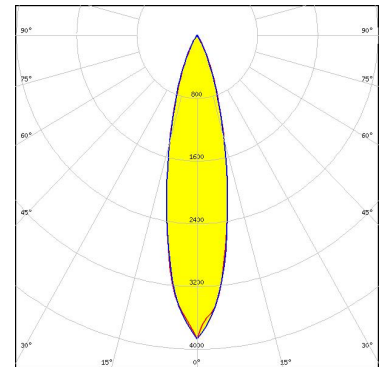
LED CLL04x/CLU04x  
 Ordering code CP18576\_AMY-110-M-B  
 FWHM / FWTM 28.0° / 60.0°  
 Efficiency 90 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



BJB: 47.319.2030

#### LUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)  
 Ordering code CP18572\_AMY-110-M-C  
 FWHM / FWTM 24.0° / 50.0°  
 Efficiency 93 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

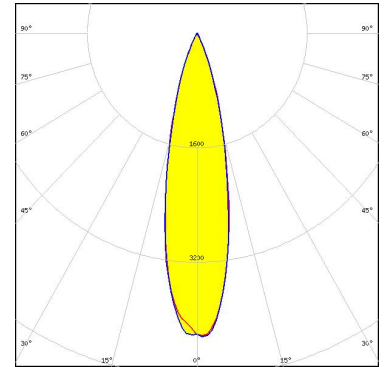


Bender Wirth: 637a Hekla

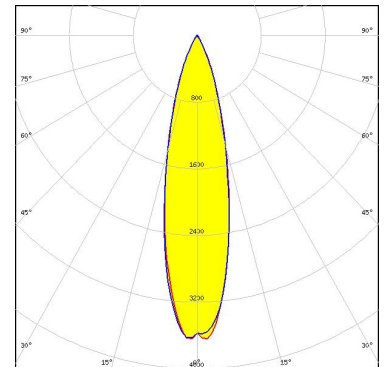
### OPTICAL RESULTS (SIMULATED):



**LED** LUXEON CoB 1205HD  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 24.0° / 46.0°  
**Efficiency** 93 %  
**Peak intensity** 4.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15858\_HEKLA-SOCKET-H



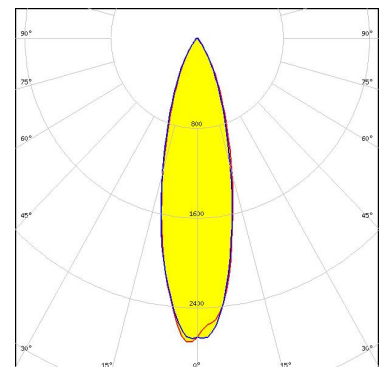
**LED** LUXEON CoB 1208  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 26.0° / 50.0°  
**Efficiency** 93 %  
**Peak intensity** 3.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Bender Wirth: 632a Hekla XL



**LED** LUXEON CoB 1211  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 28.0° / 59.0°  
**Efficiency** 91 %  
**Peak intensity** 2.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



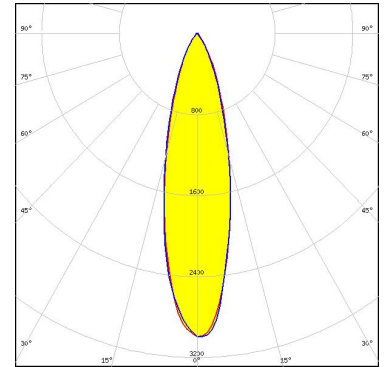
Bender Wirth: 631b Hekla XL



### OPTICAL RESULTS (SIMULATED):



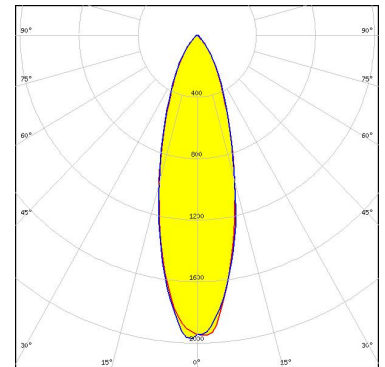
**LED** LUXEON CoB 1211  
**Ordering code** CP18576\_AMY-110-M-B  
**FWHM / FWTM** 26.0° / 57.0°  
**Efficiency** 92 %  
**Peak intensity** 3.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Bender Wirth: 631b Bayonet50



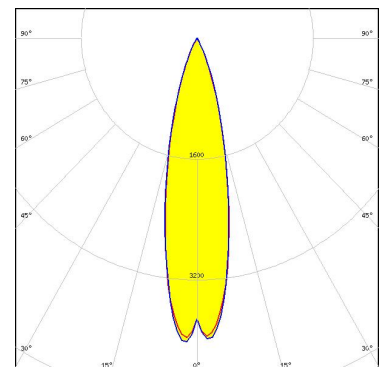
**LED** LUXEON CoB 1213/1216/1812  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 30.0° / 68.0°  
**Efficiency** 83 %  
**Peak intensity** 2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Bender Wirth: 631b Hekla XL



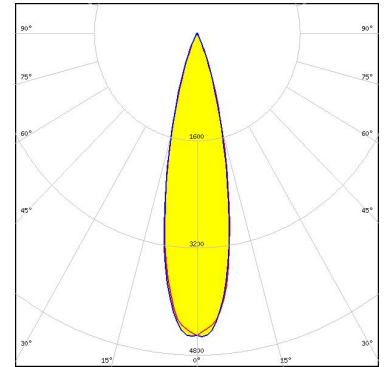
**LED** LUXEON CX Plus CoB L04 / L05 (Gen2)  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 24.0° / 47.0°  
**Efficiency** 92 %  
**Peak intensity** 4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15254\_HEKLA-SOCKET-B



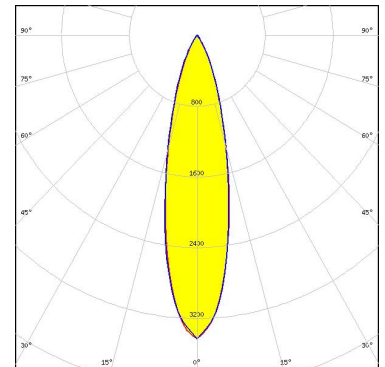
### OPTICAL RESULTS (SIMULATED):



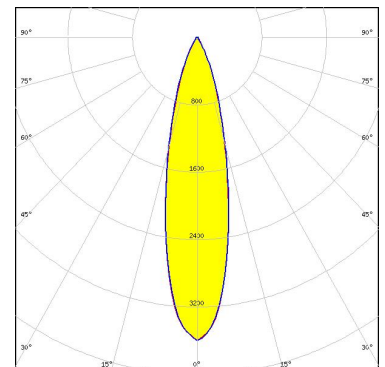
**LED** LUXEON CX Plus CoB M02 / M03 (Gen2)  
**Ordering code** CP18572\_AMY-110-M-C  
**FWHM / FWTM** 24.0° / 44.0°  
**Efficiency** 93 %  
**Peak intensity** 4.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15256\_HEKLA-SOCKET-D



**LED** CxM-14 (19x19)  
**FWHM / FWTM** 25.0° / 54.0°  
**Efficiency** 93 %  
**Peak intensity** 3.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F17438\_HEKLA-G2-I



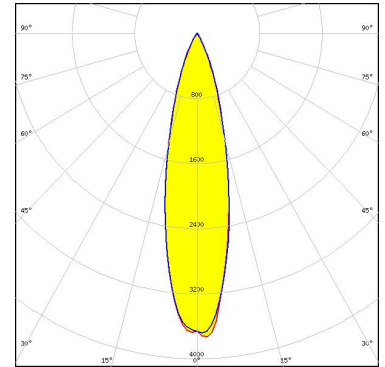
**LED** CxM-14 (19x19)  
**FWHM / FWTM** 24.0° / 52.0°  
**Efficiency** 95 %  
**Peak intensity** 3.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F17438\_HEKLA-G2-I



### OPTICAL RESULTS (SIMULATED):



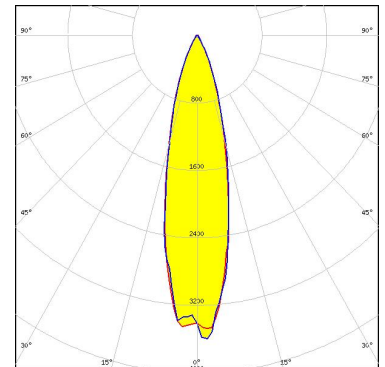
LED COB J-Type  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 25.0° / 50.0°  
Efficiency 93 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Bender Wirth: 663a Hekla XL

### SAMSUNG

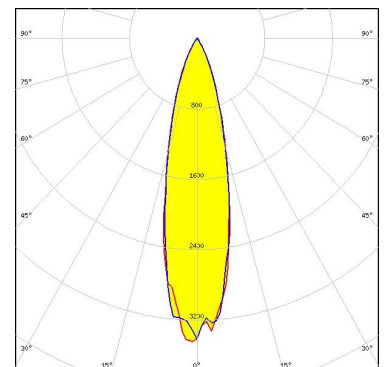
LED LC016D / LC019D / LC026D / LC033D  
Ordering code CP19033\_AMY-110-M-B-WHT  
FWHM / FWTM 25.0° / 52.0°  
Efficiency 96 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



BJB: 47.319.2021

### SAMSUNG

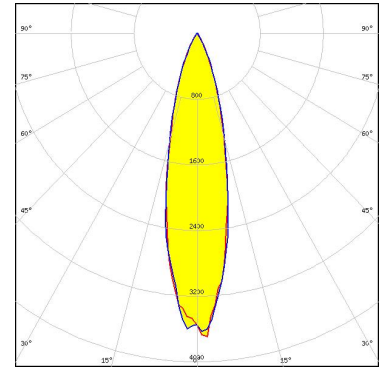
LED LC016D / LC019D / LC026D / LC033D  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 25.0° / 52.0°  
Efficiency 91 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I



### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

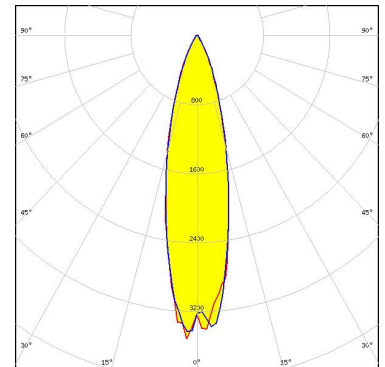
LED LC016D / LC019D / LC026D / LC033D  
Ordering code CP18576\_AMY-110-M-B  
FWHM / FWTM 24.0° / 51.0°  
Efficiency 92 %  
Peak intensity 3.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



BJB: 47.319.2021

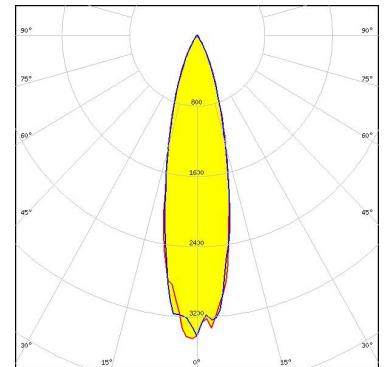
#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
Ordering code CP19029\_AMY-110-M-C-WHT  
FWHM / FWTM 25.0° / 53.0°  
Efficiency 96 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I



#### SAMSUNG

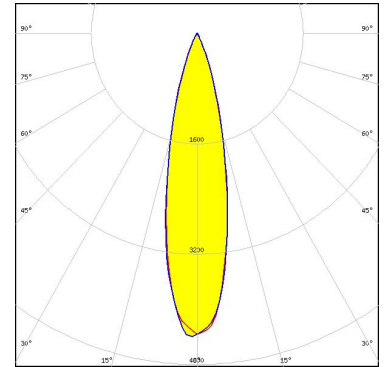
LED LC016D / LC019D / LC026D / LC033D  
Ordering code C18568\_AMY-110-M  
FWHM / FWTM 25.0° / 52.0°  
Efficiency 91 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I



### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

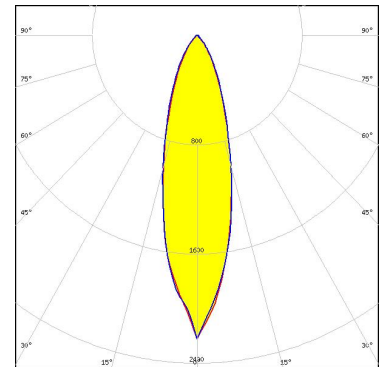
LED LC020T (Tunable white)  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 24.0° / 45.0°  
Efficiency 93 %  
Peak intensity 4.4 cd/lm  
LEDs/each optic 1  
Light colour/type Tunable White  
Required components:  
C16142\_HEKLA-SOCKET-K



Bender Wirth: 501 Typ L8

#### SAMSUNG

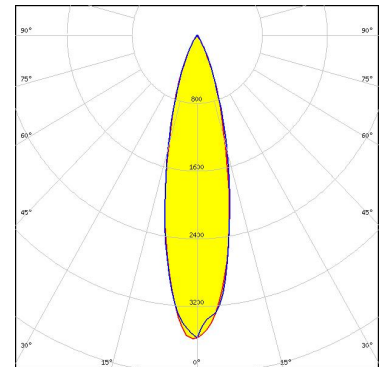
LED LC040D / LC060D / LC080D  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 28.0° / 64.0°  
Efficiency 82 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



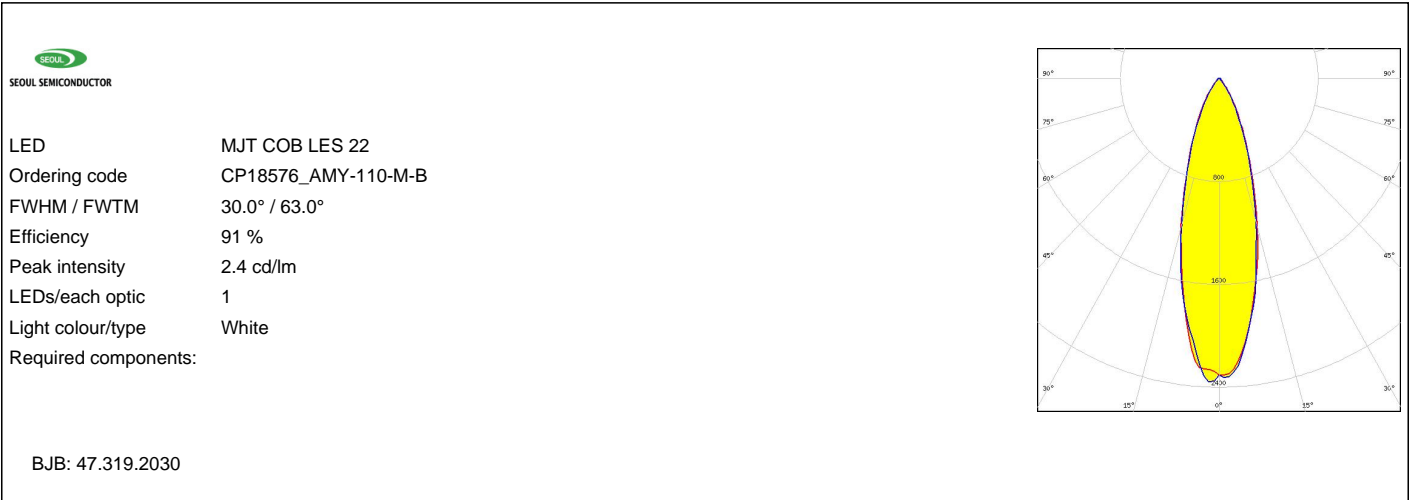
Bender Wirth: 631b Hekla XL



LED MJT COB LES 14.5  
Ordering code CP18572\_AMY-110-M-C  
FWHM / FWTM 26.0° / 52.0°  
Efficiency 92 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15859\_HEKLA-SOCKET-I



### OPTICAL RESULTS (SIMULATED):



### 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:

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