

## AMY-70-S

~18° spot beam

## SPECIFICATION:

|                |         |
|----------------|---------|
| Dimensions     | Ø 69.9  |
| Height         | 12.7 mm |
| Fastening      | socket  |
| ROHS compliant | yes ⓘ   |

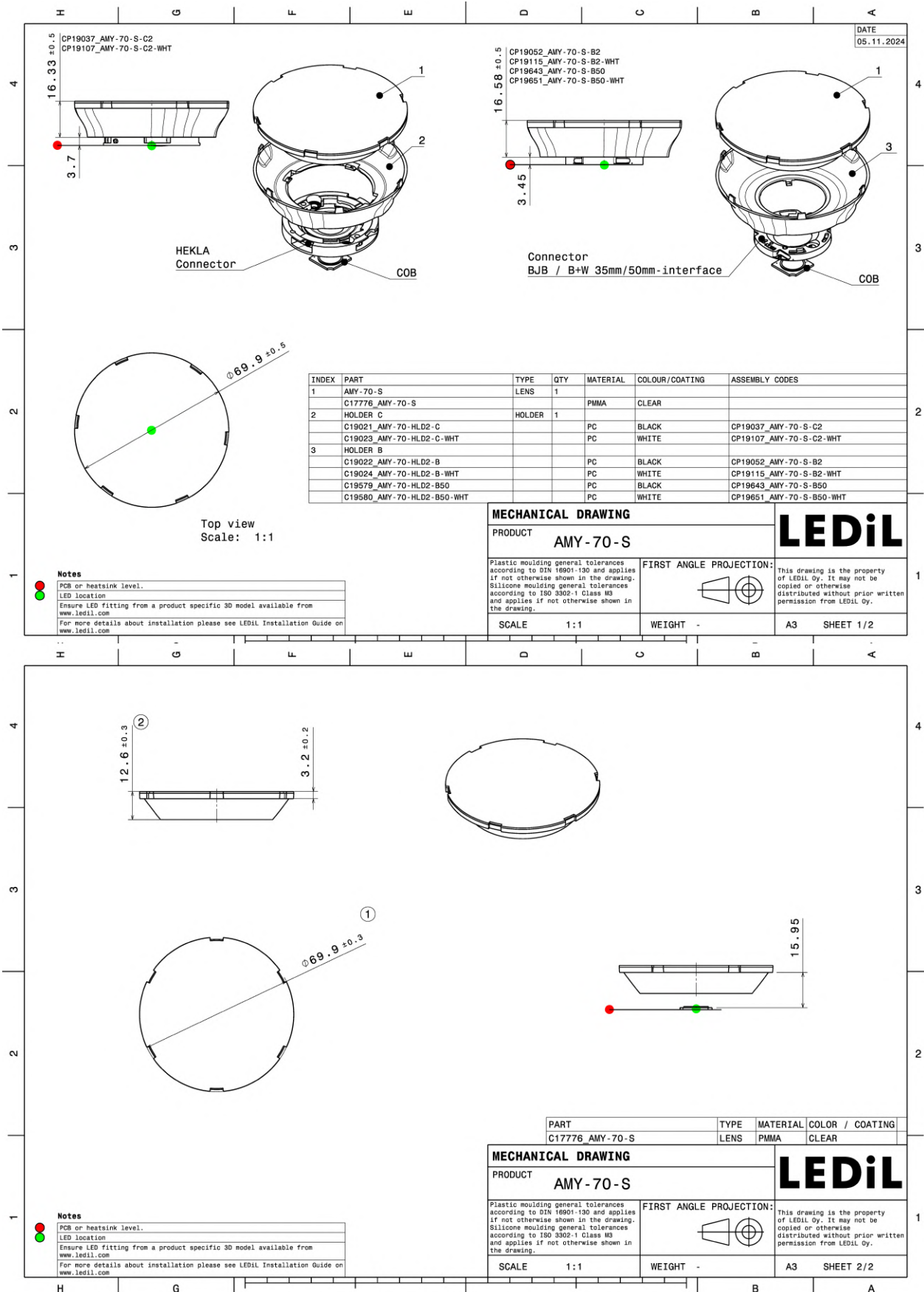
## MATERIALS:



| Component           | Type        | Material | Colour | Finish | Length (mm) |
|---------------------|-------------|----------|--------|--------|-------------|
| AMY-70-S            | Single lens | PMMA     | clear  |        |             |
| AMY-70-HLD2-C       | Holder C    | PC       | black  |        |             |
| AMY-70-HLD2-B       | Holder B    | PC       | black  |        |             |
| AMY-70-HLD2-C-WHT   | Holder C    | PC       | white  |        |             |
| AMY-70-HLD2-B-WHT   | Holder B    | PC       | white  |        |             |
| AMY-70-HLD2-B50     | Holder B    | PC       | black  |        |             |
| AMY-70-HLD2-B50-WHT | Holder B    | PC       | white  |        |             |

## ORDERING INFORMATION:

| Component                                                  | Qty in box | MOQ | MPQ | Box weight (kg) |
|------------------------------------------------------------|------------|-----|-----|-----------------|
| C17776_AMY-70-S<br>» Box size: 480 x 280 x 300 mm          | 285        | 285 | 15  | 9.2             |
| CP19651_AMY-70-S-B50-WHT<br>» Box size: 480 x 280 x 300 mm | 210        | 210 | 15  | 8.6             |
| CP19643_AMY-70-S-B50<br>» Box size: 480 x 280 x 300 mm     | 210        | 210 | 15  | 8.4             |
| CP19115_AMY-70-S-B2-WHT<br>» Box size: 480 x 280 x 300 mm  | 210        | 210 | 15  | 8.7             |
| CP19107_AMY-70-S-C2-WHT<br>» Box size: 480 x 280 x 300 mm  | 210        | 210 | 15  | 8.4             |
| CP19052_AMY-70-S-B2<br>» Box size: 480 x 280 x 300 mm      | 210        | 210 | 15  | 8.7             |
| CP19037_AMY-70-S-C2<br>» Box size: 480 x 280 x 300 mm      | 210        | 210 | 15  | 8.4             |

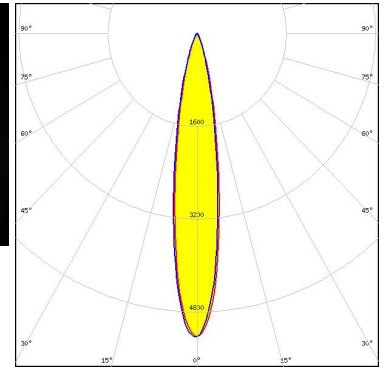


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



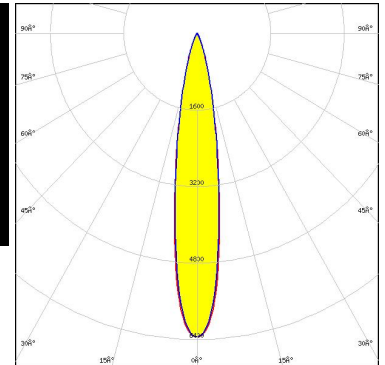
**LED** BXRV-D10-RGBW2000-A3  
**Ordering code** CP19037\_AMY-70-S-C2  
**FWHM / FWTM** 17.0° / 37.0°  
**Efficiency** 79 %  
**Peak intensity** 5.2 cd/lm  
**LEDs/each optic** 28  
**Light colour/type** RGBW  
**Required components:**  
 C19950\_HEKLA-SOCKET-RZ



Light distribution files



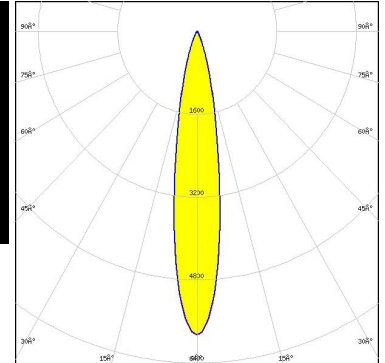
**LED** V10 Gen 8-9  
**Ordering code** CP19037\_AMY-70-S-C2  
**FWHM / FWTM** 17.0° / 37.0°  
**Efficiency** 92 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C



Light distribution files



**LED** V11 HD Gen 8  
**Ordering code** CP19037\_AMY-70-S-C2  
**FWHM / FWTM** 18.0° / 38.0°  
**Efficiency** 91 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 Bender Wirth: 633d Hekla

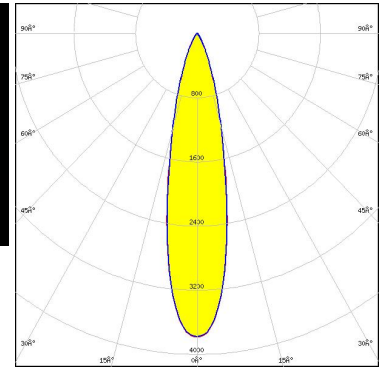


Light distribution files

### OPTICAL RESULTS (MEASURED):



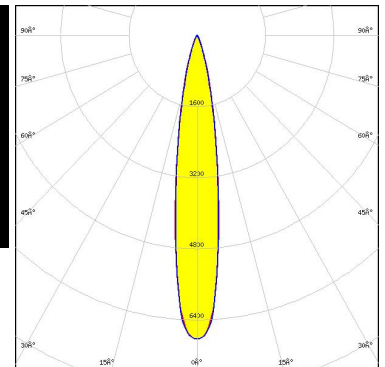
LED V13 Gen 8-9  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 23.0° / 48.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files



LED V8 Gen 8-9  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 17.0° / 36.0°  
 Efficiency 93 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



Light distribution files

## CITIZEN

LED CLU02x (LES10)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 17.0° / 36.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C

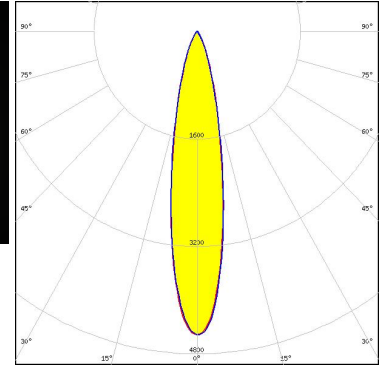


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

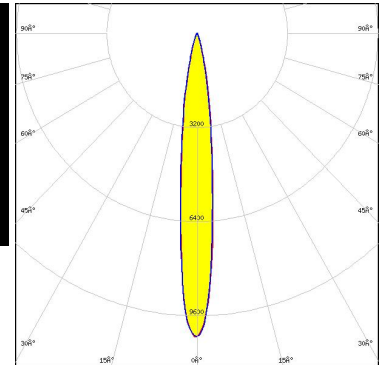
LED CLU03Q-1210E1 Type-M  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 21.0° / 45.0°  
 Efficiency 92 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

#### CITIZEN

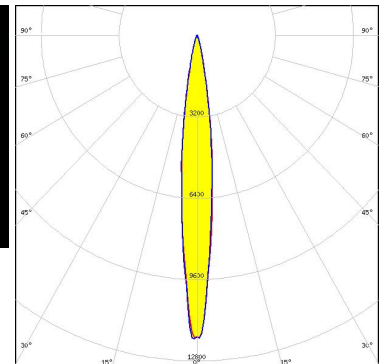
LED CLU700/701/702/703  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 13.0° / 29.0°  
 Efficiency 93 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.360.1020



Light distribution files

#### CITIZEN

LED CLU7L3  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 12.0° / 27.0°  
 Efficiency 93 %  
 Peak intensity 12.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C19425\_SOCKET-B-35-N

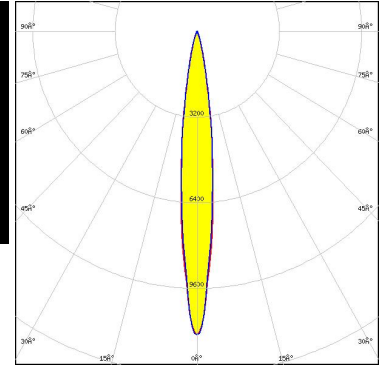


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

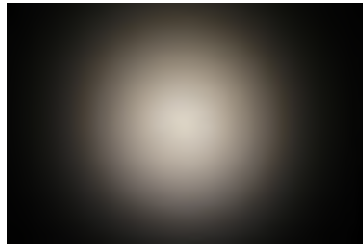
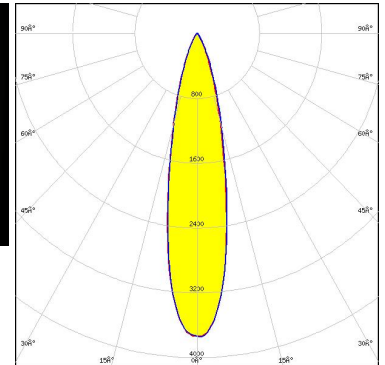
LED CLU7S3  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 12.0° / 28.0°  
 Efficiency 93 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 667a Bayonet35



Light distribution files



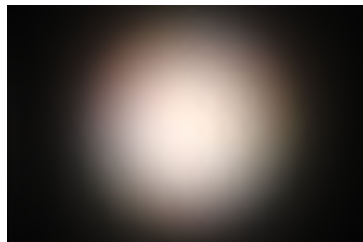
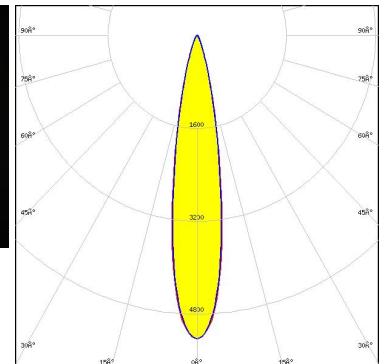
LED CMU15xx  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 23.0° / 48.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files



LED LUXEON Fusion 12-up (20x24)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 19.0° / 38.0°  
 Efficiency 84 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS  
 Bender Wirth: 442 Typ L8

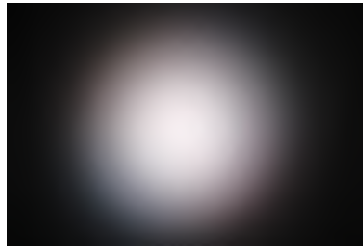
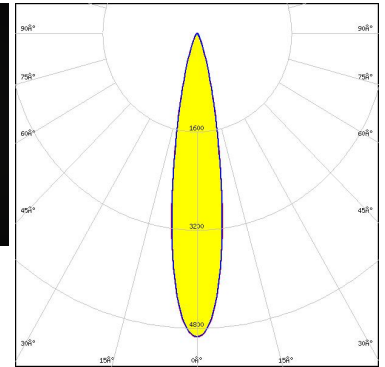


Light distribution files

### OPTICAL RESULTS (MEASURED):



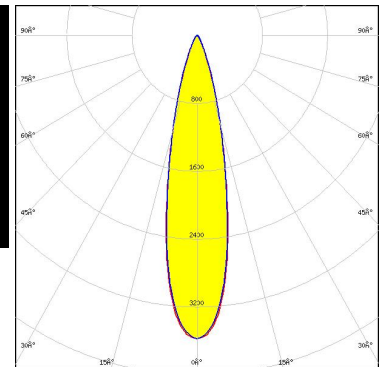
LED LUXEON Fusion 21-up (20x24)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 19.0° / 38.0°  
 Efficiency 82 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS  
 Bender Wirth: 442 Typ L8



Light distribution files



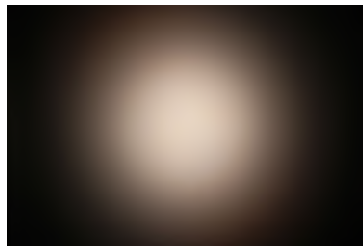
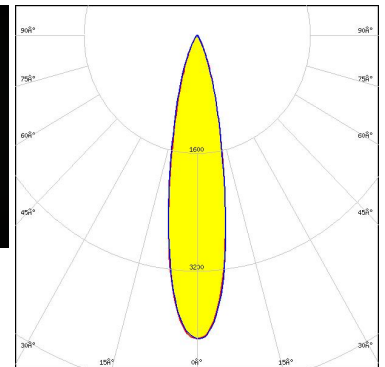
LED LUXEON Fusion 27-up (20x24)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 23.0° / 45.0°  
 Efficiency 82 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS  
 Bender Wirth: 442 Typ L8



Light distribution files



LED CTM-14 (Tunable White) Gen2  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 22.0° / 46.0°  
 Efficiency 89 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 442 Typ L8

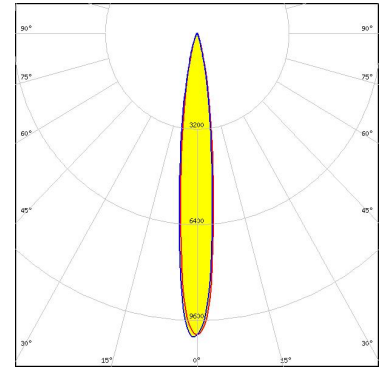


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### PHILIPS

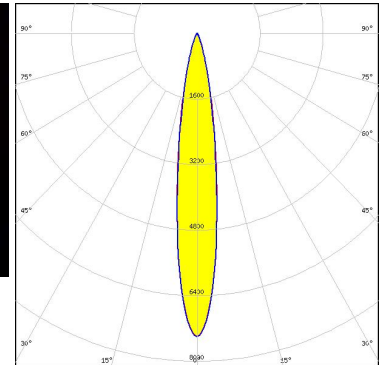
LED Fortimo SLM C TW L06A 1313 G7N  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 13.0° / 29.0°  
 Efficiency 92 %  
 Peak intensity 10.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 508 Typ L8



Light distribution files

#### PHILIPS

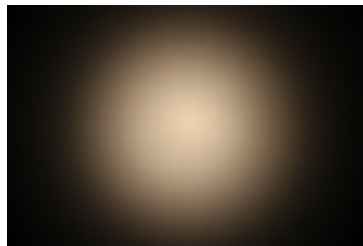
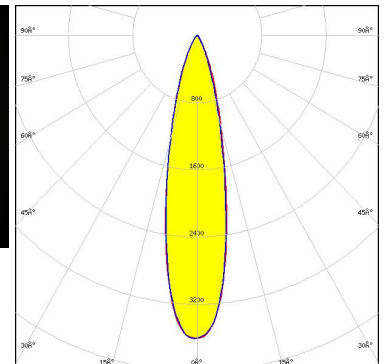
LED Fortimo SLM C TW L09A 1919 G7N  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 16.0° / 35.0°  
 Efficiency 92 %  
 Peak intensity 7.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 501 Typ L8



Light distribution files

#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 Ordering code C17776\_AMY-70-S  
 FWHM / FWTM 23.0° / 49.0°  
 Efficiency 89 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

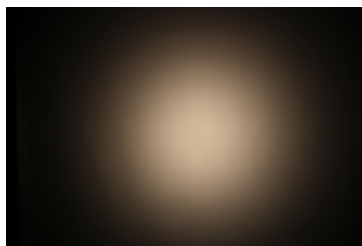
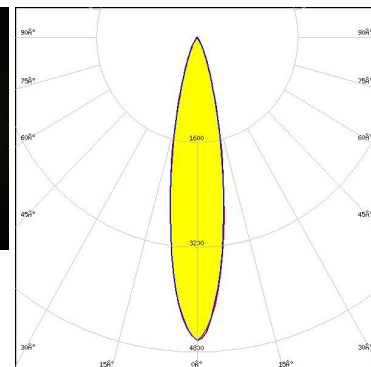


Light distribution files

### OPTICAL RESULTS (MEASURED):

**SAMSUNG**

LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 23.0° / 49.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

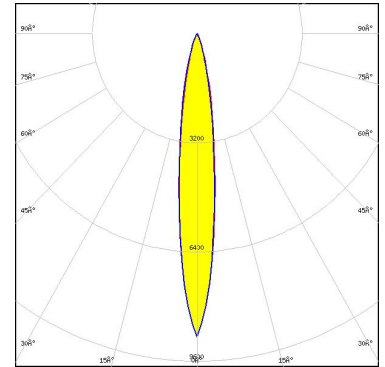
### OPTICAL RESULTS (SIMULATED):



LED V10 Gen 8-9  
Ordering code CP19052\_AMY-70-S-B2  
FWHM / FWTM 14.0° / 33.0°  
Efficiency 92 %  
Peak intensity 8.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

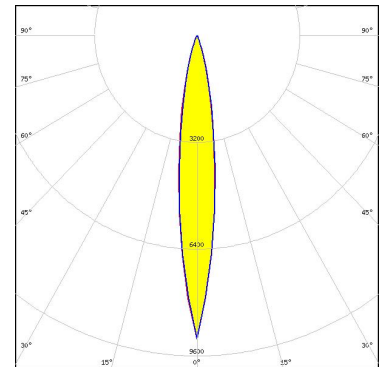
BJB: 47.360.1020

Light distribution files



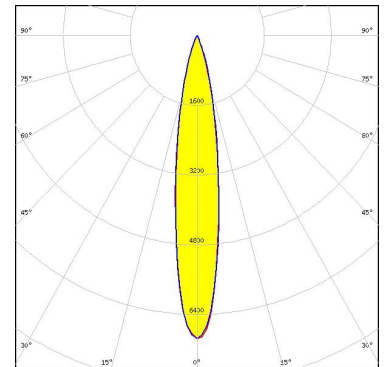
LED V10 Gen 8-9  
Ordering code CP19037\_AMY-70-S-C2  
FWHM / FWTM 16.0° / 33.0°  
Efficiency 94 %  
Peak intensity 9.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
L20758\_HEKLA-KONNTAKT-C2

Light distribution files



LED V11 HD Gen 8  
Ordering code CP19037\_AMY-70-S-C2  
FWHM / FWTM 17.0° / 36.0°  
Efficiency 92 %  
Peak intensity 7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
L20761\_HEKLA-KONNTAKT-I3

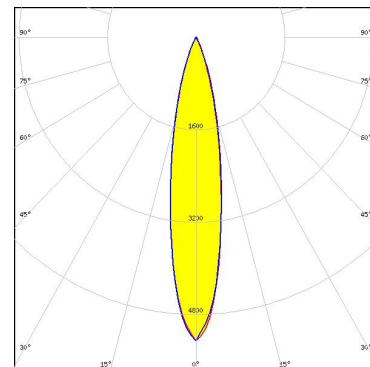
Light distribution files



### OPTICAL RESULTS (SIMULATED):



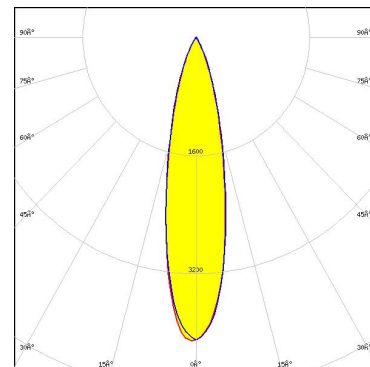
LED V13 Gen 8-9  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 20.0° / 42.0°  
 Efficiency 92 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 L20760\_HEKLA-KONNTAKT-I2



Light distribution files



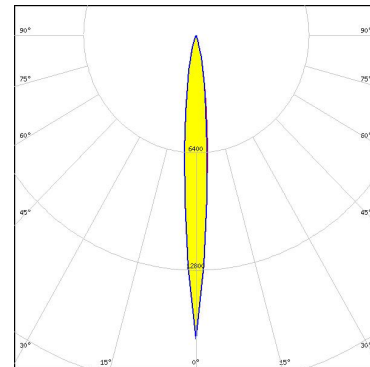
LED V13 Gen7  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 23.0° / 48.0°  
 Efficiency 92 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED V3 HD Gen 8 FC  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 8.0° / 24.0°  
 Efficiency 94 %  
 Peak intensity 16.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 L20759\_HEKLA-KONNTAKT-C3

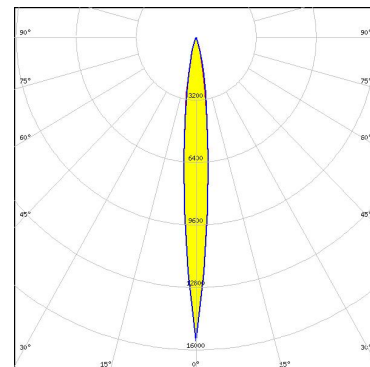


Light distribution files

### OPTICAL RESULTS (SIMULATED):



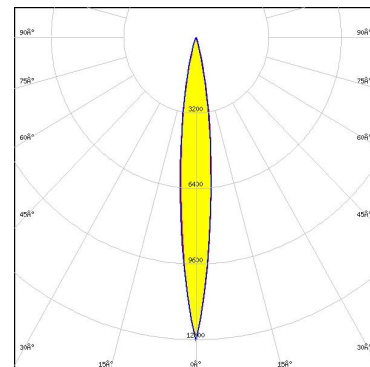
LED V4 HD Gen 8  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 8.0° / 28.0°  
 Efficiency 94 %  
 Peak intensity 15.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 L20762\_HEKLA-KONNTAKT-A



Light distribution files



LED V6 HD Gen 8  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 12.0° / 28.0°  
 Efficiency 94 %  
 Peak intensity 12.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Bender Wirth: 634c Hekla

Light distribution files



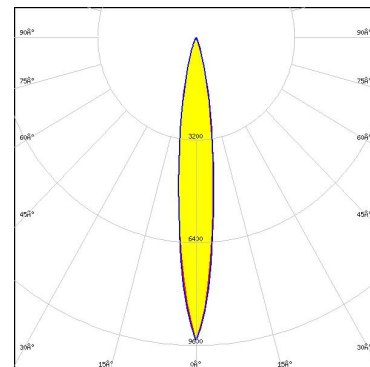
LED V8 Gen 8-9  
 Ordering code C17776\_AMY-70-S  
 FWHM / FWTM 12.0° / 30.0°  
 Efficiency 96 %  
 Peak intensity 11.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

### OPTICAL RESULTS (SIMULATED):



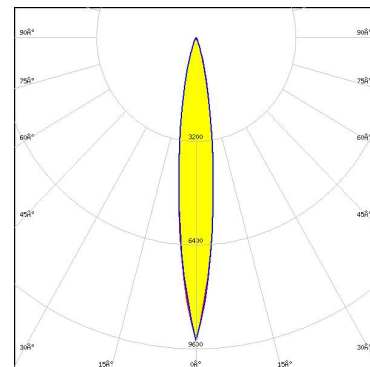
LED V8 Gen7  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 91 %  
 Peak intensity 9.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



Light distribution files



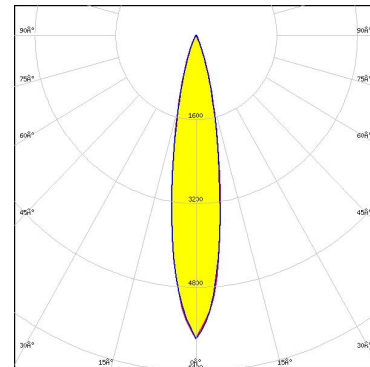
LED VERO10  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 91 %  
 Peak intensity 9.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15616\_HEKLA-SOCKET-F



Light distribution files



LED VERO13  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 18.0° / 40.0°  
 Efficiency 89 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



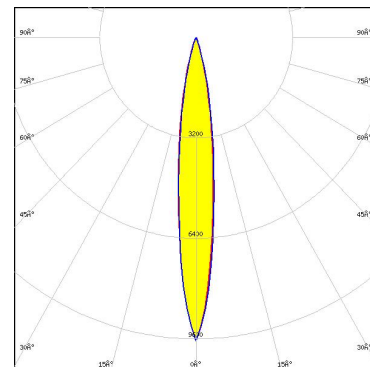
Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED Vesta DTW 9mm (4W/6W/12W)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 91 %  
 Peak intensity 9.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 652b Hekla

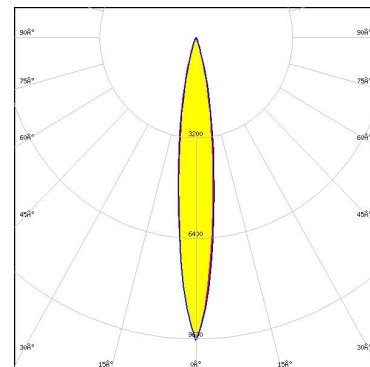


Light distribution files



LED Vesta DTW 9mm (4W/6W/12W)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 18.0° / 36.0°  
 Efficiency 87 %  
 Peak intensity 6.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F18158\_HEKLA-RZ-LENS

Bender Wirth: 652b Hekla

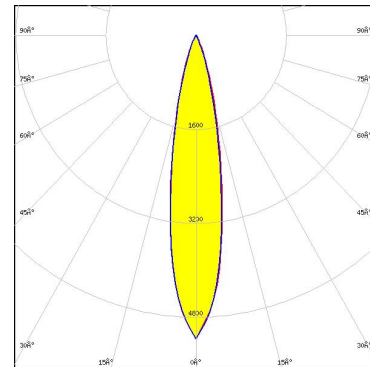


Light distribution files



LED Vesta SE 13mm TW  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 20.0° / 41.0°  
 Efficiency 87 %  
 Peak intensity 5.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

Bender Wirth: 652b Hekla

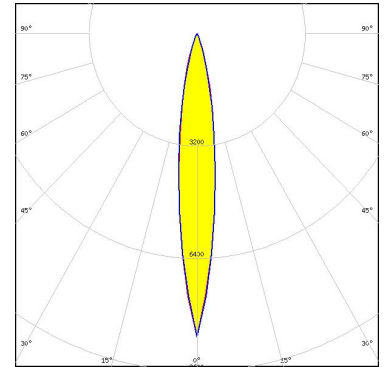


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

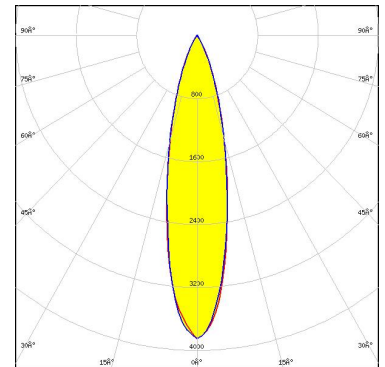
LED CLU02Q-1204E1 Type-M  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 16.0° / 36.0°  
 Efficiency 93 %  
 Peak intensity 8.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 L20675\_HEKLA-KONNTAKT-C



Light distribution files

#### CITIZEN

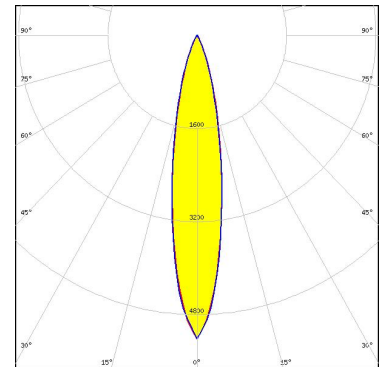
LED CLU03Q Type-F  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 24.0° / 50.0°  
 Efficiency 92 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

#### CITIZEN

LED CLU03Q-1210E1 Type-M  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 20.0° / 43.0°  
 Efficiency 91 %  
 Peak intensity 5.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 L20752\_HEKLA-KONNTAKT-I

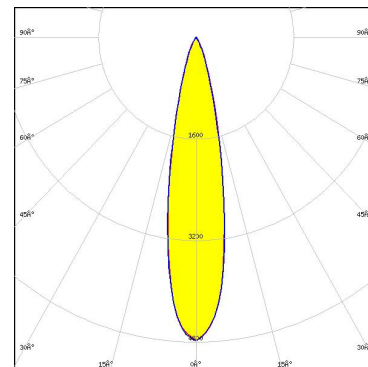


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU03x  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 22.0° / 42.0°  
 Efficiency 89 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

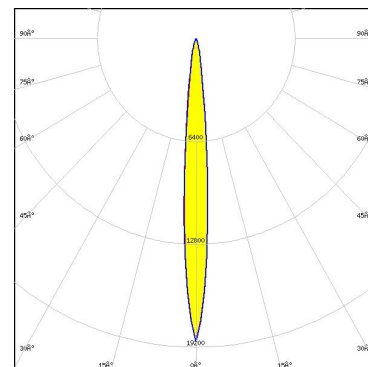
#### CITIZEN

LED CLU700/701/702/703  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 10.0° / 22.0°  
 Efficiency 92 %  
 Peak intensity 17.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

Light distribution files

#### CITIZEN

LED CLU700/701/702/703  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 93 %  
 Peak intensity 18.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



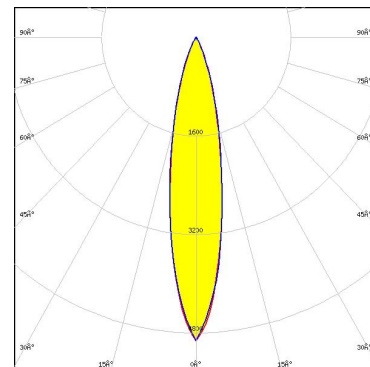
Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

|                      |                     |
|----------------------|---------------------|
| LED                  | CLU733 Type-F       |
| Ordering code        | CP19037_AMY-70-S-C2 |
| FWHM / FWTM          | 20.0° / 46.0°       |
| Efficiency           | 93 %                |
| Peak intensity       | 4.9 cd/lm           |
| LEDs/each optic      | 1                   |
| Light colour/type    | White               |
| Required components: |                     |

Bender Wirth: 631b Hekla XL

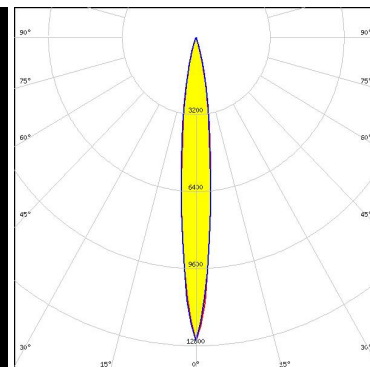


Light distribution files

#### CITIZEN

|                      |                       |
|----------------------|-----------------------|
| LED                  | CLUD22                |
| Ordering code        | CP19037_AMY-70-S-C2   |
| FWHM / FWTM          | 12.0° / 28.0°         |
| Efficiency           | 93 %                  |
| Peak intensity       | 12.6 cd/lm            |
| LEDs/each optic      | 1                     |
| Light colour/type    | Tunable White         |
| Required components: |                       |
|                      | C16142_HEKLA-SOCKET-K |

Bender Wirth: 444 Typ L8

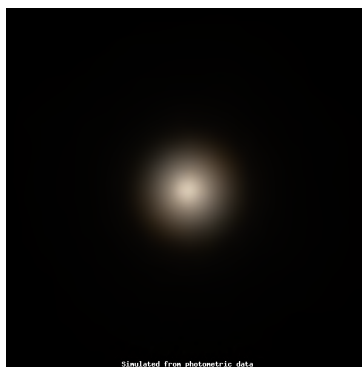
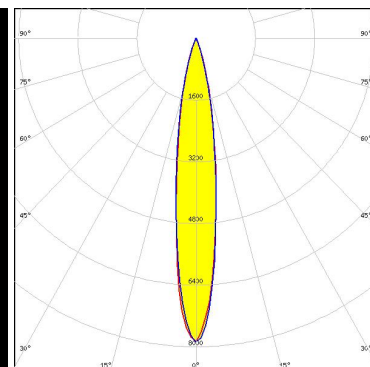


Light distribution files

#### CITIZEN

|                      |                       |
|----------------------|-----------------------|
| LED                  | CLUD32                |
| Ordering code        | CP19037_AMY-70-S-C2   |
| FWHM / FWTM          | 16.0° / 35.0° + 34.0° |
| Efficiency           | 92 %                  |
| Peak intensity       | 7.9 cd/lm             |
| LEDs/each optic      | 1                     |
| Light colour/type    | Tunable White         |
| Required components: |                       |
|                      | C16142_HEKLA-SOCKET-K |

Bender Wirth: 445 Typ L8

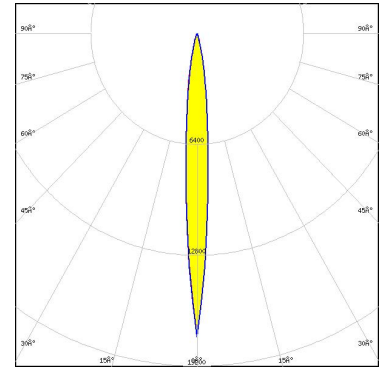


Light distribution files

### OPTICAL RESULTS (SIMULATED):



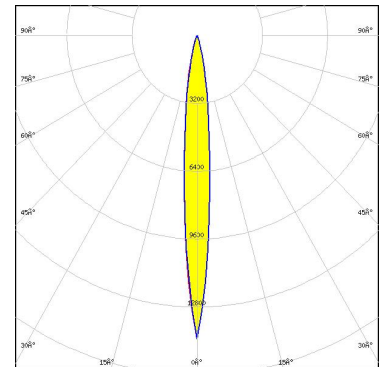
LED: CHA0410  
 Ordering code: CP19037\_AMY-70-S-C2  
 FWHM / FWTM: 8.0° / 24.0°  
 Efficiency: 93 %  
 Peak intensity: 17.5 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



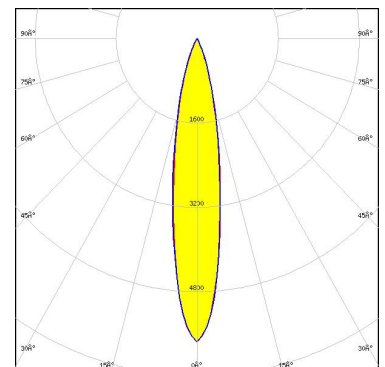
LED: CHA0612  
 Ordering code: CP19037\_AMY-70-S-C2  
 FWHM / FWTM: 10.0° / 26.0°  
 Efficiency: 93 %  
 Peak intensity: 14.3 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



LED: CMA1825  
 Ordering code: CP19037\_AMY-70-S-C2  
 FWHM / FWTM: 18.0° / 41.0°  
 Efficiency: 90 %  
 Peak intensity: 5.8 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 F15254\_HEKLA-SOCKET-B



Light distribution files

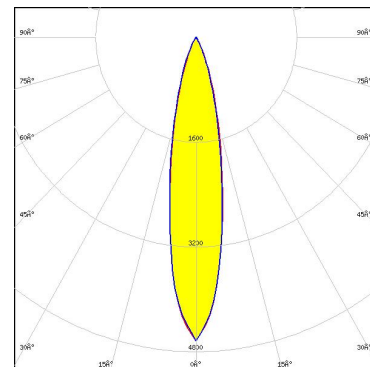
### OPTICAL RESULTS (SIMULATED):



LED CMA1840  
Ordering code CP19037\_AMY-70-S-C2  
FWHM / FWTM 21.0° / 45.0°  
Efficiency 89 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

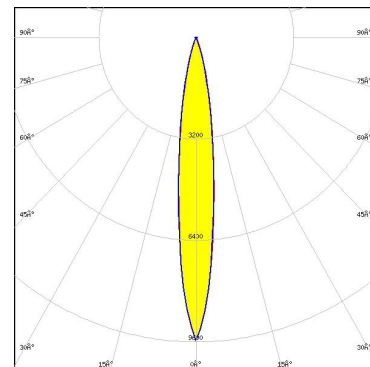
Bender Wirth: 637a Hekla

Light distribution files



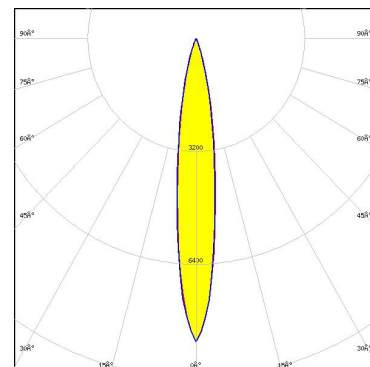
LED CMT14xx  
Ordering code C17776\_AMY-70-S  
FWHM / FWTM 14.0° / 32.0°  
Efficiency 96 %  
Peak intensity 9.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



LED CMT14xx  
Ordering code CP19037\_AMY-70-S-C2  
FWHM / FWTM 15.0° / 34.0°  
Efficiency 91 %  
Peak intensity 8.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C

Light distribution files



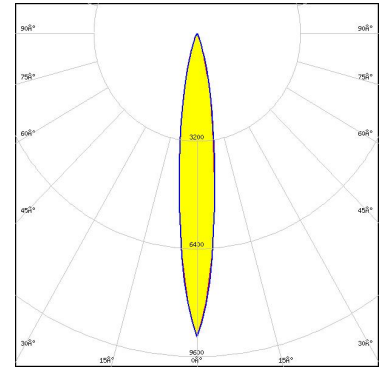
### OPTICAL RESULTS (SIMULATED):



LED CMU10xx  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 14.0° / 34.0°  
 Efficiency 92 %  
 Peak intensity 9 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

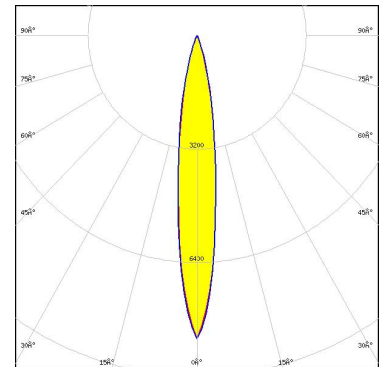
BJB: 47.360.1020

Light distribution files



LED CMU10xx  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 34.0°  
 Efficiency 91 %  
 Peak intensity 8.6 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C

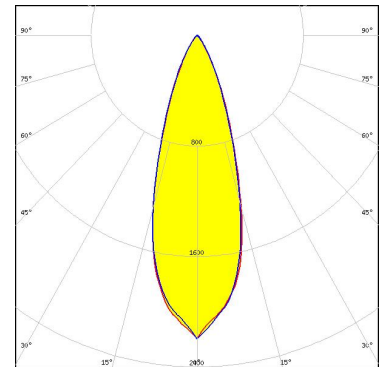
Light distribution files



LED CMU22xx  
 Ordering code CP19643\_AMY-70-S-B50  
 FWHM / FWTM 34.0° / 60.0°  
 Efficiency 86 %  
 Peak intensity 2.2 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 631a Bayonet50

Light distribution files

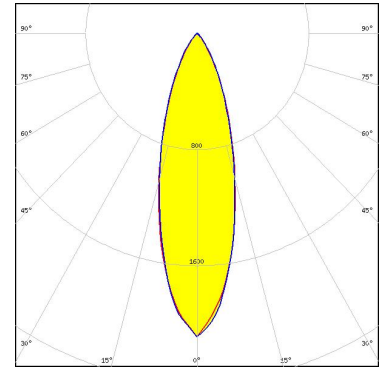


### OPTICAL RESULTS (SIMULATED):



LED CMU22xx  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 30.0° / 64.0°  
 Efficiency 80 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 631b Hekla XL

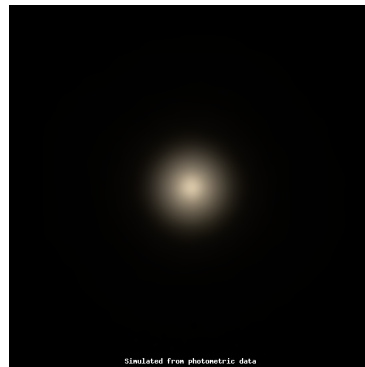
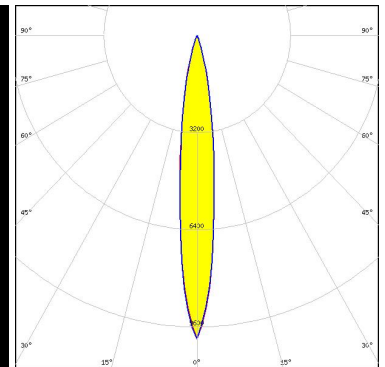


Light distribution files



LED CTW0910  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 93 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

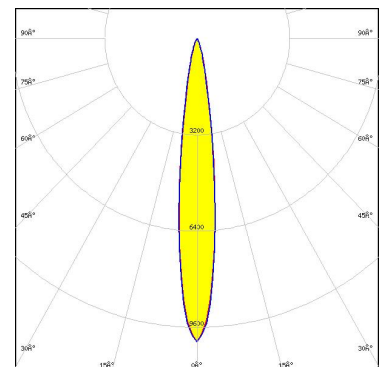
Bender Wirth: 512 Typ L8



Light distribution files



LED CXA/B 15xx  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 29.0°  
 Efficiency 91 %  
 Peak intensity 10.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



Light distribution files

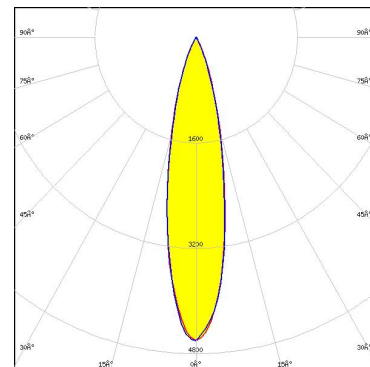
### OPTICAL RESULTS (SIMULATED):



LED LUXEON CX Plus CoB L08 (Gen2)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 22.0° / 46.0°  
 Efficiency 93 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 637a Hekla

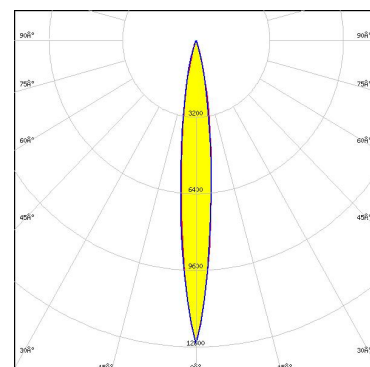
Light distribution files



LED LUXEON CX Plus CoB - HD S02H6  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 12.0° / 29.0°  
 Efficiency 94 %  
 Peak intensity 12.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

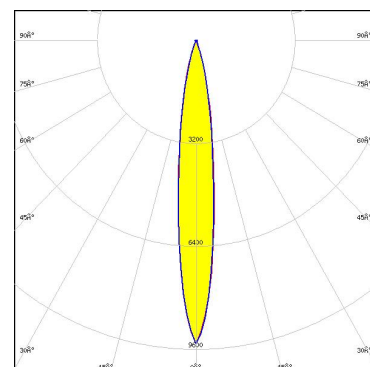
Bender Wirth: 634c Bayonet35L

Light distribution files



LED LUXEON CX Plus CoB - HD S04H9  
 Ordering code C17776\_AMY-70-S  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 96 %  
 Peak intensity 9.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

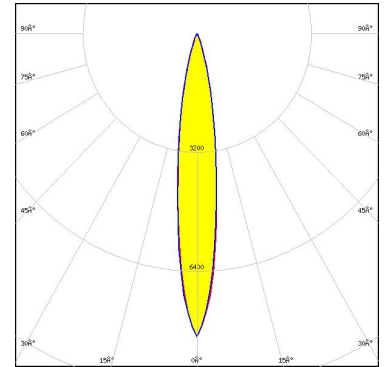
Light distribution files



### OPTICAL RESULTS (SIMULATED):



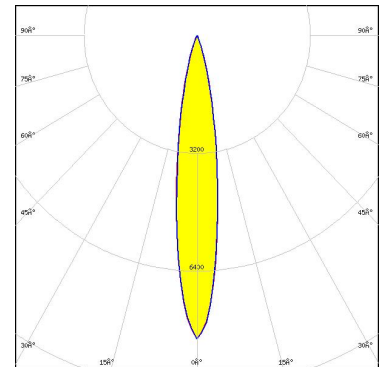
LED LUXEON CX Plus CoB - HD S04H9  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 91 %  
 Peak intensity 8.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files



LED LUXEON CX Plus CoB - HD S04H9  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 94 %  
 Peak intensity 8.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

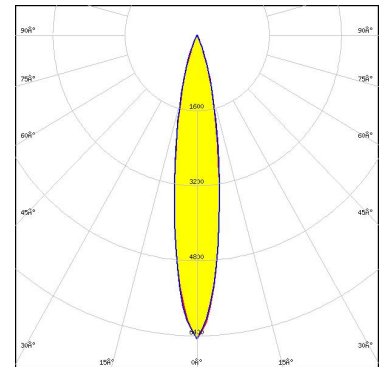


Bender Wirth: 634a Bayonet35L

Light distribution files



LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 18.0° / 39.0°  
 Efficiency 93 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15254\_HEKLA-SOCKET-B

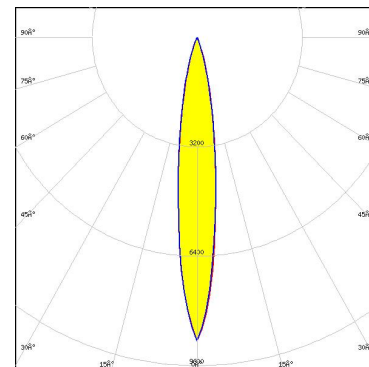


Light distribution files

### OPTICAL RESULTS (SIMULATED):



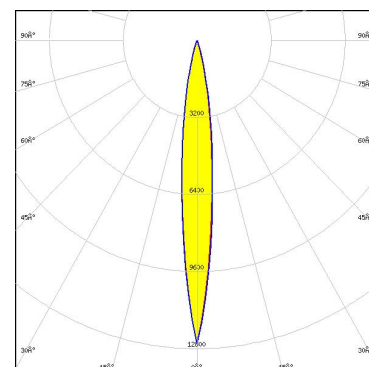
LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 15.0° / 34.0°  
 Efficiency 94 %  
 Peak intensity 8.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



Light distribution files



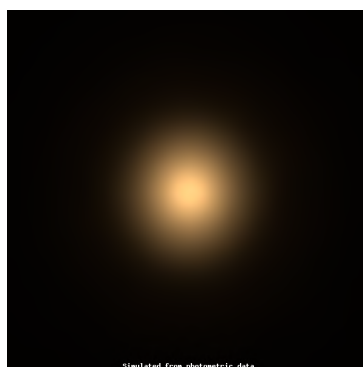
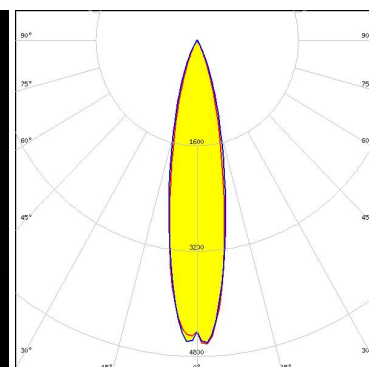
LED LUXEON CX Plus CoB S01 (Gen2)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 12.0° / 29.0°  
 Efficiency 94 %  
 Peak intensity 12.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



Light distribution files



LED CDM-14 (Dim-to-Warm) Gen2  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 22.0° / 45.0°  
 Efficiency 91 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

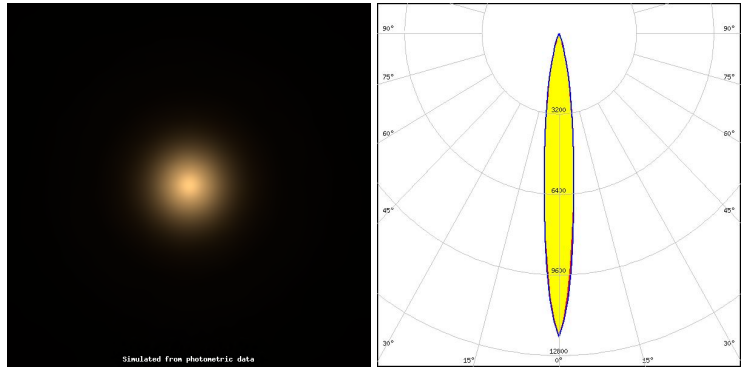
Bender Wirth: 632b Hekla XL

### OPTICAL RESULTS (SIMULATED):



LED CDM-6 (Dim-To-Warm)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 12.0° / 29.0°  
 Efficiency 93 %  
 Peak intensity 12.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 652b Hekla

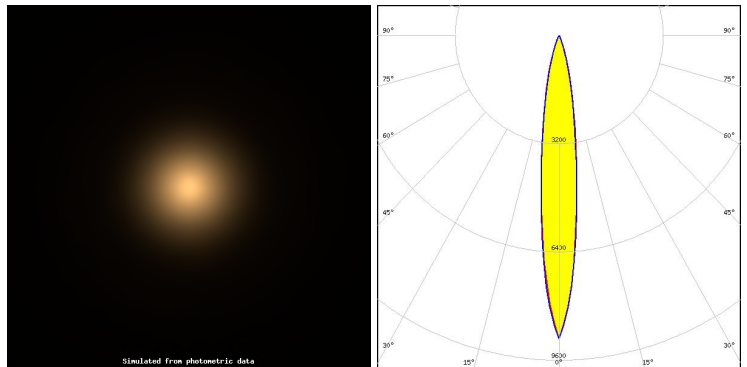


Light distribution files



LED CDM-9 (Dim-to-Warm) Gen2  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 34.0°  
 Efficiency 92 %  
 Peak intensity 9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

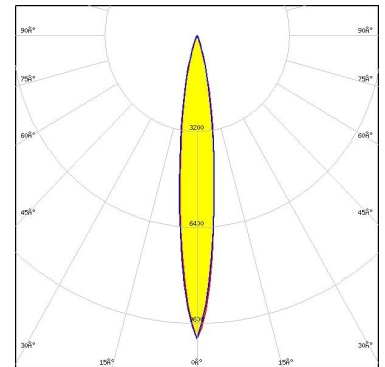
Bender Wirth: 652b Hekla



Light distribution files



LED CHM-9 XH (19x19)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 94 %  
 Peak intensity 10.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

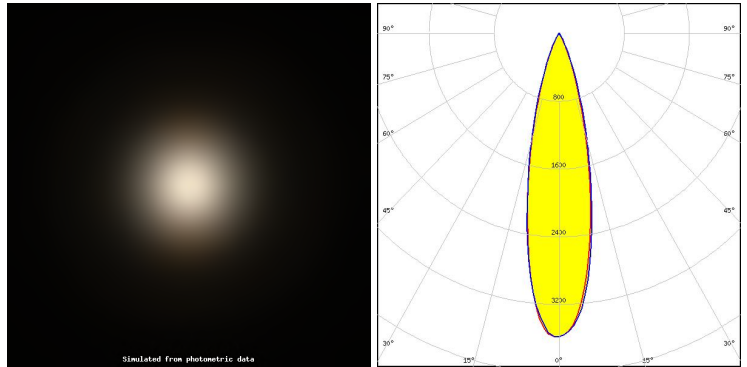


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED CTM-14 (Tunable White) Gen2  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 25.0° / 47.0°  
 Efficiency 83 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS

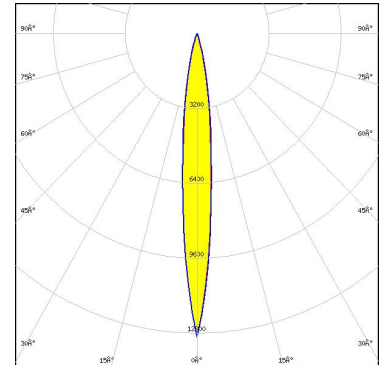


Light distribution files

Bender Wirth: 442 Typ L8



LED CTM-6 (Tunable White) Gen2  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 12.0° / 28.0°  
 Efficiency 94 %  
 Peak intensity 13 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

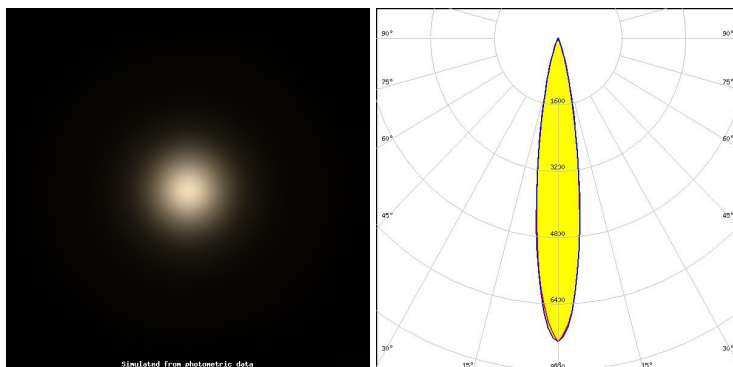


Light distribution files

Bender Wirth: 495 Typ L8



LED CTM-6 (Tunable White) Gen2  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 85 %  
 Peak intensity 7.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS

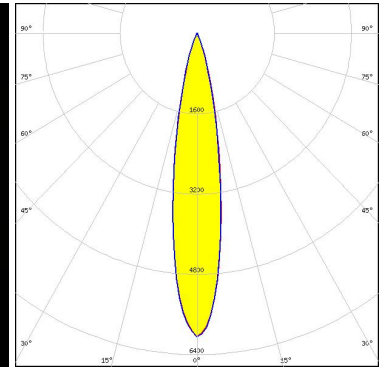


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED CTM-9 (Tunable White) Gen2  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 18.0° / 36.0°  
 Efficiency 85 %  
 Peak intensity 6 cd/Im  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS

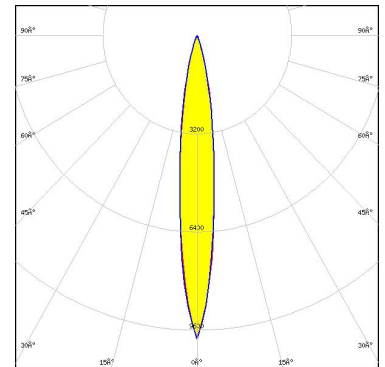


Light distribution files

Bender Wirth: 495 Typ L8



LED CTM-9 (Tunable White) Gen2  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 94 %  
 Peak intensity 9.9 cd/Im  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

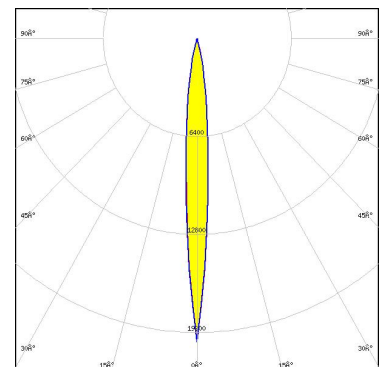


Light distribution files

Bender Wirth: 495 Typ L8



LED CXM-3  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 8.0° / 24.0°  
 Efficiency 94 %  
 Peak intensity 19.8 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



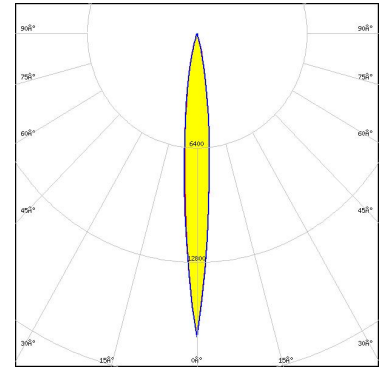
Light distribution files

Bender Wirth: 634a Bayonet35L

### OPTICAL RESULTS (SIMULATED):



LED CXM-4  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 10.0° / 26.0°  
 Efficiency 94 %  
 Peak intensity 17 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

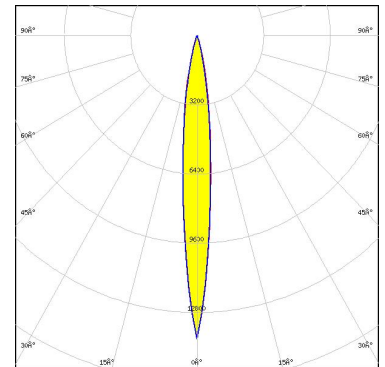


Bender Wirth: 634a Bayonet35L

Light distribution files



LED CxM-6 (13.5x13.5)  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 11.0° / 28.0°  
 Efficiency 94 %  
 Peak intensity 14 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

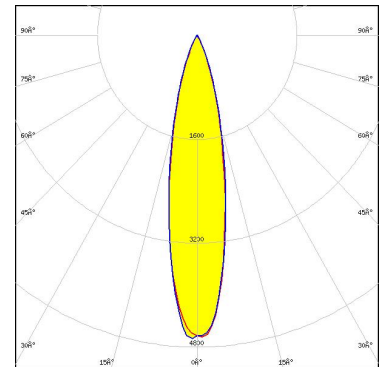


BJB: 47.360.1020

Light distribution files



LED COB J-Type  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 22.0° / 45.0°  
 Efficiency 93 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



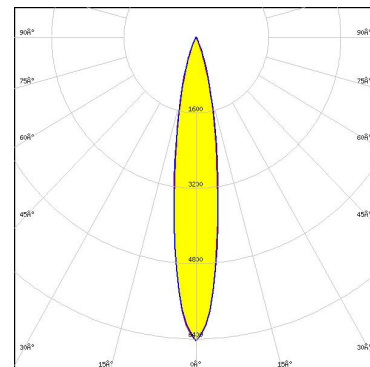
Bender Wirth: 663a Hekla XL

Light distribution files

### OPTICAL RESULTS (SIMULATED):



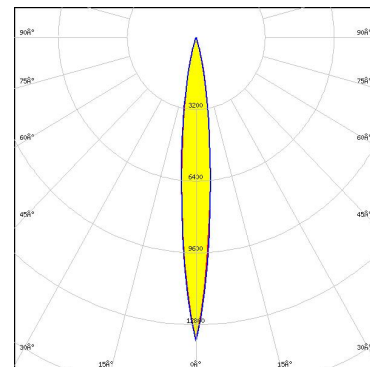
LED COB L-Type (LES 11)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 18.0° / 38.0°  
 Efficiency 90 %  
 Peak intensity 6.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17437\_HEKLA-G2-H



Light distribution files



LED COB S-Type (LES 6)  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 12.0° / 28.0°  
 Efficiency 94 %  
 Peak intensity 13.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

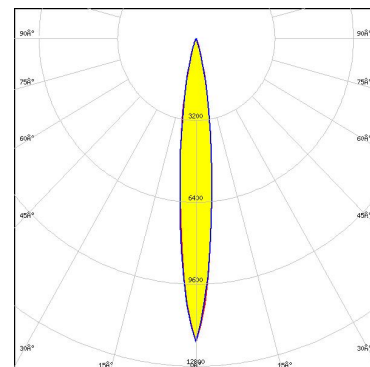


Light distribution files

Bender Wirth: 652a Bayonet35L



LED COB S-Type (LES 7)  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 12.0° / 30.0°  
 Efficiency 94 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

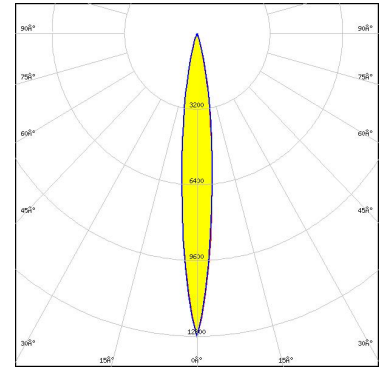
Bender Wirth: 652a Bayonet35L

### OPTICAL RESULTS (SIMULATED):



LED COB T-Type  
Ordering code CP19052\_AMY-70-S-B2  
FWHM / FWTM 12.0° / 28.0°  
Efficiency 94 %  
Peak intensity 12.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

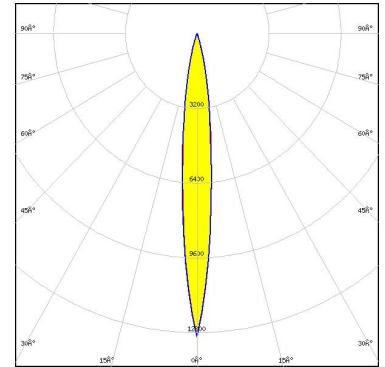
Bender Wirth: 652a Bayonet35L



### OPTICAL RESULTS (SIMULATED):



LED NJCWL024Z-V1MT: COB L-Type Tunable White  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 12.0° / 28.0°  
 Efficiency 94 %  
 Peak intensity 13 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

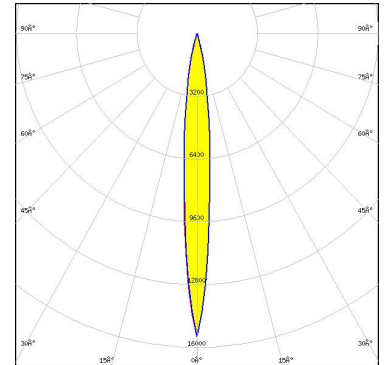


Light distribution files

Bender Wirth: 497 Typ L8 HV



LED NJNWS012Z-V1MT: COB S-Type Tunable White  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 10.0° / 26.0°  
 Efficiency 94 %  
 Peak intensity 15.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

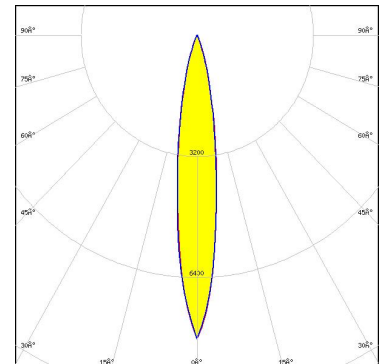


Light distribution files

Bender Wirth: 495 Typ L8 HV



LED NVCWJ024Z-V1MT: COB J-Type Tunable White  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 16.0° / 36.0°  
 Efficiency 94 %  
 Peak intensity 8 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



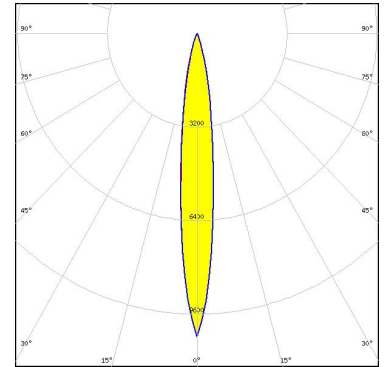
Light distribution files

Bender Wirth: 498 Typ L8 HV

### OPTICAL RESULTS (SIMULATED):

#### PHILIPS

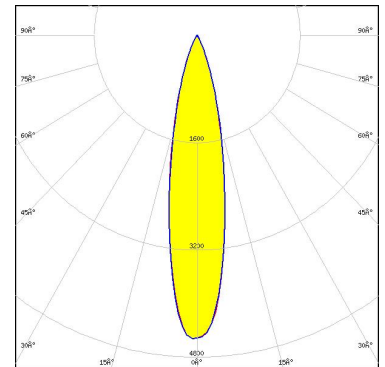
LED Fortimo SLM L09 CoB  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 13.0° / 30.0°  
 Efficiency 92 %  
 Peak intensity 10.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17437\_HEKLA-G2-H



Light distribution files

#### PHILIPS

LED Fortimo SLM L15 CoB  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 22.0° / 44.0°  
 Efficiency 90 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

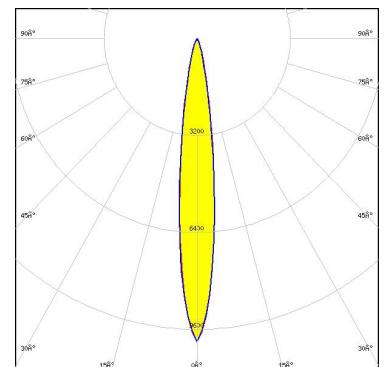


Light distribution files

Bender Wirth: 632a Hekla XL

#### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 92 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

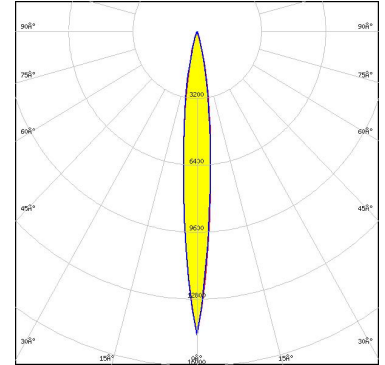
### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LC010C G2  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 10.0° / 28.0°  
 Efficiency 94 %  
 Peak intensity 14.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.360.1020

Light distribution files

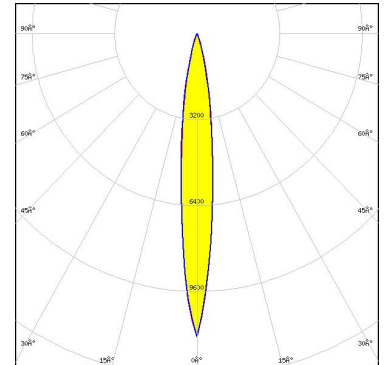


#### SAMSUNG

LED LC010T (Tunable White)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 12.0° / 30.0°  
 Efficiency 94 %  
 Peak intensity 11.3 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

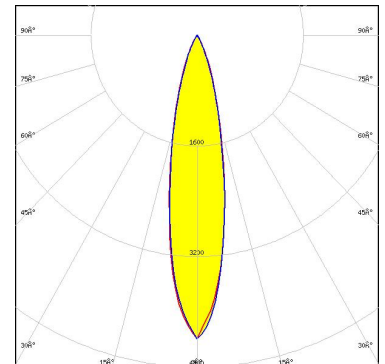


#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 22.0° / 46.0°  
 Efficiency 89 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.360.1010

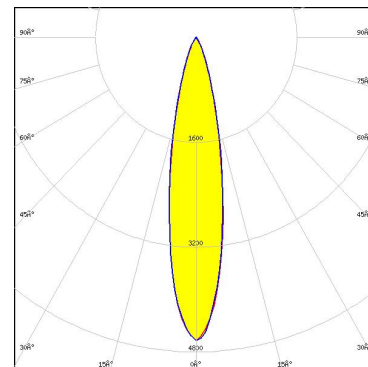
Light distribution files



### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

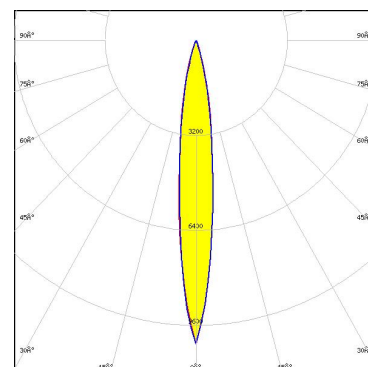
LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 22.0° / 44.0°  
 Efficiency 89 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

#### SAMSUNG

LED LC020C G2  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 93 %  
 Peak intensity 10.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

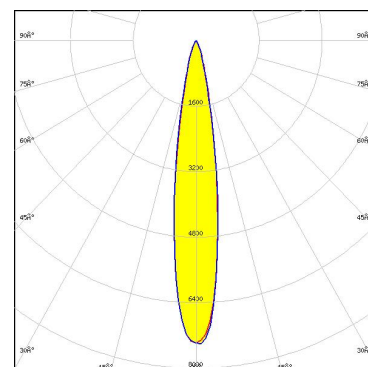


Light distribution files

BJB: 47.360.1010

#### SAMSUNG

LED LC020T (Tunable white)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 91 %  
 Peak intensity 7.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

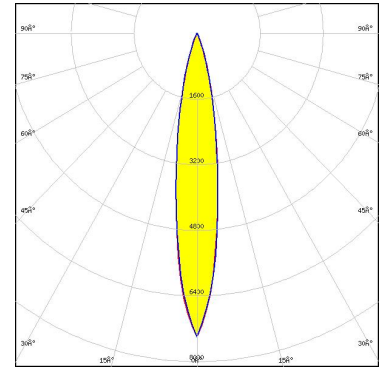


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LC020T (Tunable white)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 16.0° / 37.0°  
 Efficiency 94 %  
 Peak intensity 7.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

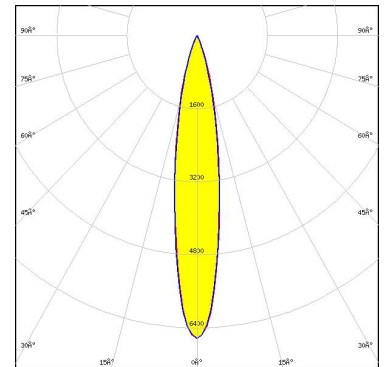


Light distribution files

Bender Wirth: 501 Typ L8

#### SAMSUNG

LED LC030C/040C G2  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 18.0° / 39.0°  
 Efficiency 93 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

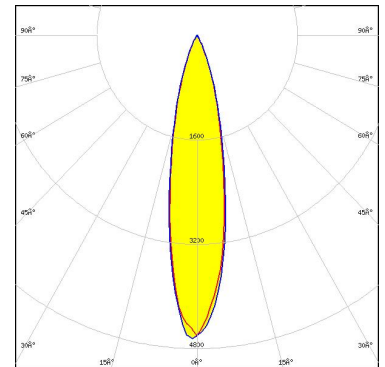


Light distribution files

BJB: 47.360.1010



LED MJT COB LES 14.5  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 22.0° / 46.0°  
 Efficiency 93 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

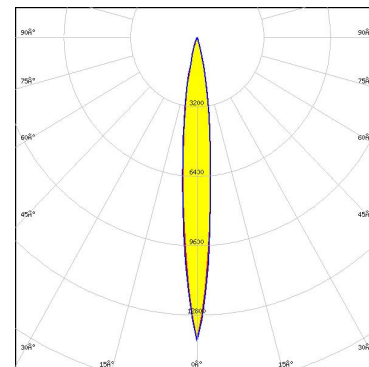


Light distribution files

### OPTICAL RESULTS (SIMULATED):



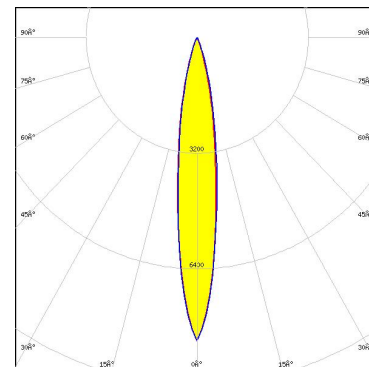
LED MJT COB LES 6  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 11.0° / 27.0°  
 Efficiency 95 %  
 Peak intensity 14 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files



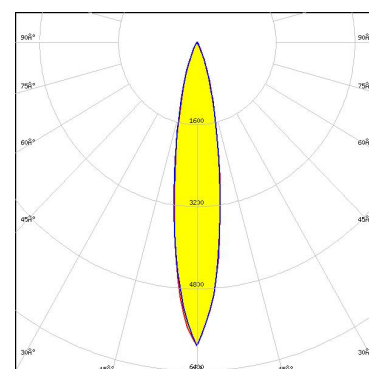
LED MJT COB LES 9.8  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 16.0° / 35.0°  
 Efficiency 94 %  
 Peak intensity 8.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

### TRIDONIC

LED SLE G7 LES13  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 18.0° / 40.0°  
 Efficiency 92 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I

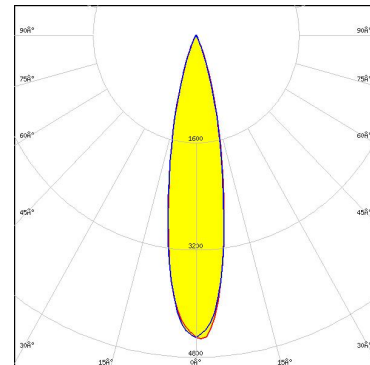


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### XICATO

|                      |                     |
|----------------------|---------------------|
| LED                  | XOB14 Gen1          |
| Ordering code        | CP19037_AMY-70-S-C2 |
| FWHM / FWTM          | 22.0° / 42.0°       |
| Efficiency           | 82 %                |
| Peak intensity       | 4.6 cd/lm           |
| LEDs/each optic      | 1                   |
| Light colour/type    | White               |
| Required components: |                     |
|                      | F17438_HEKLA-G2-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.

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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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