

## AMY-70-W

~36° wide beam

## SPECIFICATION:

Dimensions	Ø 69.9
Height	13 mm
Fastening	socket
ROHS compliant	yes ⓘ

## MATERIALS:

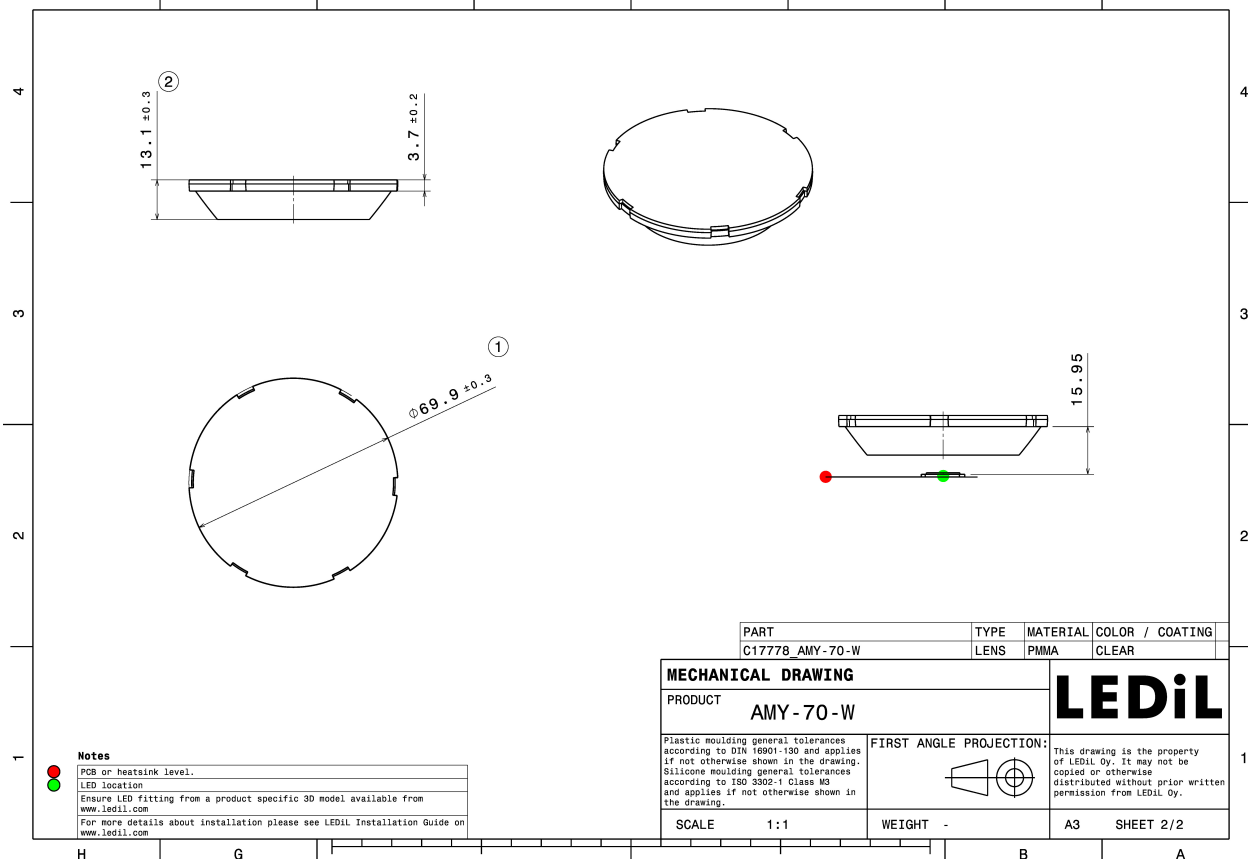
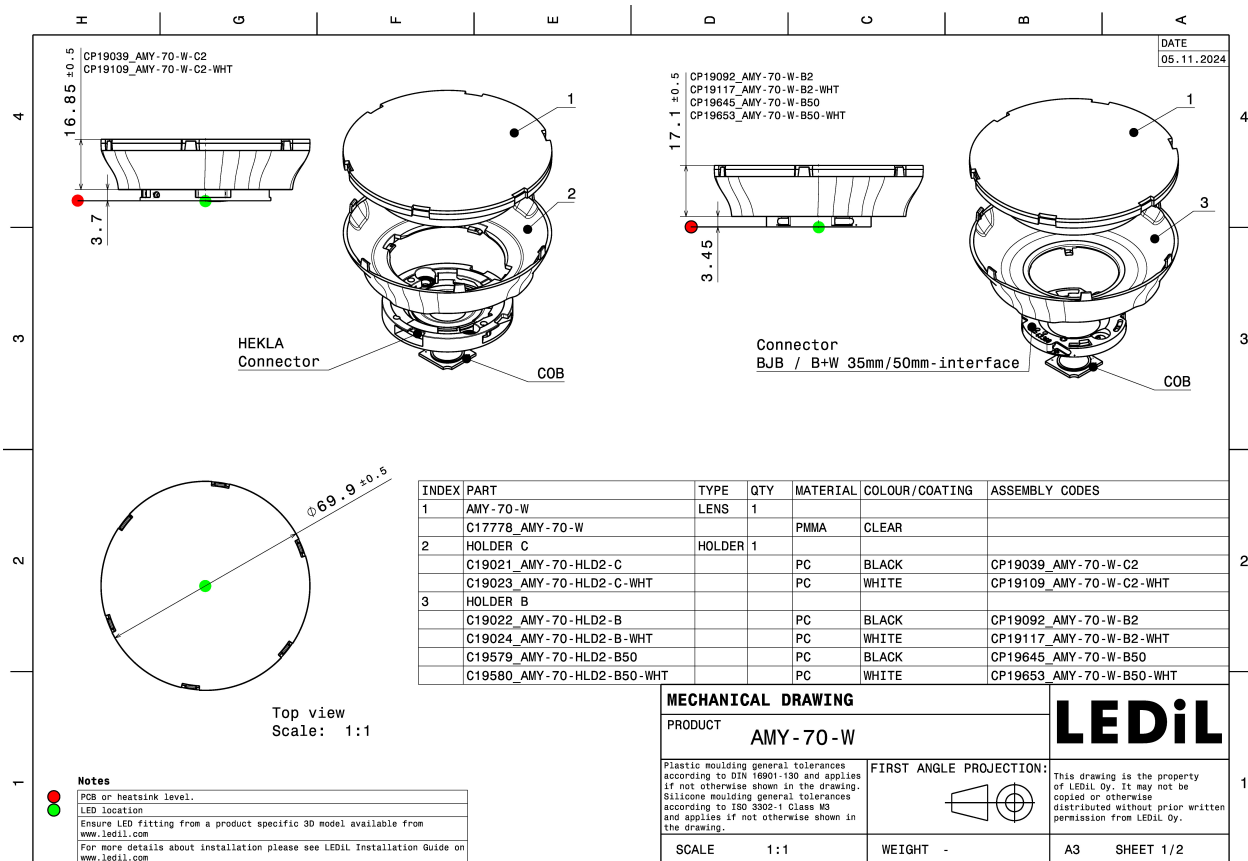
Component	Type	Material	Colour	Finish	Length (mm)
AMY-70-W	Single lens	PMMA	clear		
AMY-70-HLD2-C	Holder C	PC	black		
AMY-70-HLD2-B	Holder B	PC	black		
AMY-70-HLD2-C-WHT	Holder C	PC	white		
AMY-70-HLD2-B-WHT	Holder B	PC	white		
AMY-70-HLD2-B50	Holder B	PC	black		
AMY-70-HLD2-B50-WHT	Holder B	PC	white		



## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17778_AMY-70-W	285	285	15	9.0
<b>Assembly</b>				
CP19653_AMY-70-W-B50-WHT	210	210	15	8.6
CP19645_AMY-70-W-B50	210	210	15	8.5
CP19117_AMY-70-W-B2-WHT	210	210	15	8.5
CP19109_AMY-70-W-C2-WHT	210	210	15	8.2
CP19092_AMY-70-W-B2	210	210	15	8.5
CP19039_AMY-70-W-C2	210	210	15	8.2



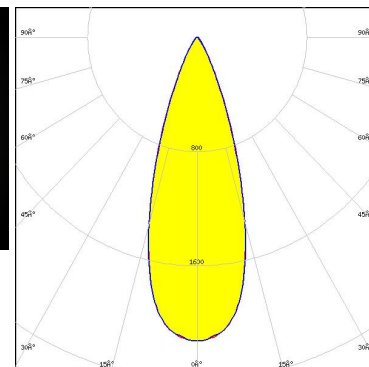
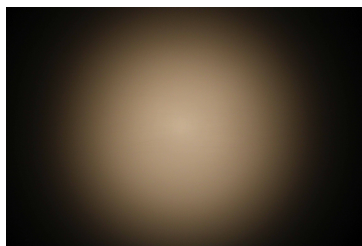


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



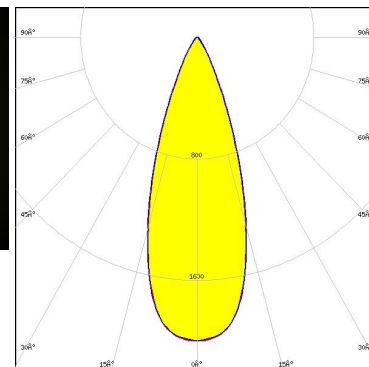
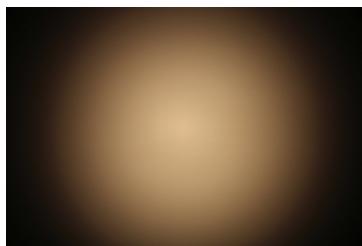
**LED** V10 Gen 8-9  
**Ordering code** CP19039\_AMY-70-W-C2  
**FWHM / FWTM** 35.0° / 59.0°  
**Efficiency** 90 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C



Light distribution files



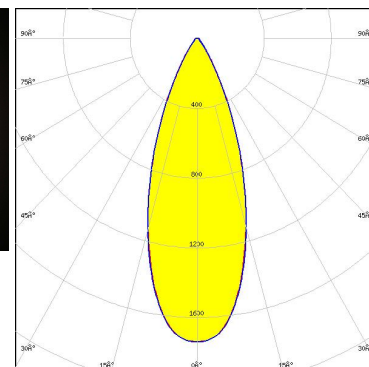
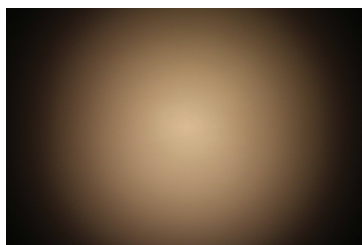
**LED** V11 HD Gen 8  
**Ordering code** CP19039\_AMY-70-W-C2  
**FWHM / FWTM** 36.0° / 60.0°  
**Efficiency** 88 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 Bender Wirth: 633d Hekla



Light distribution files



**LED** V13 Gen 8-9  
**Ordering code** CP19039\_AMY-70-W-C2  
**FWHM / FWTM** 38.0° / 66.0°  
**Efficiency** 87 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15859\_HEKLA-SOCKET-I

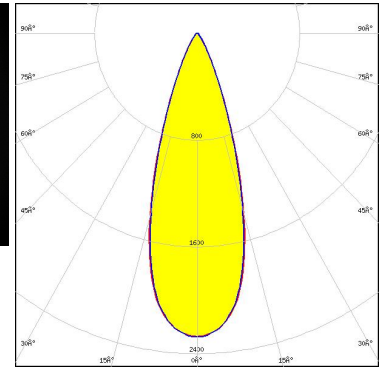
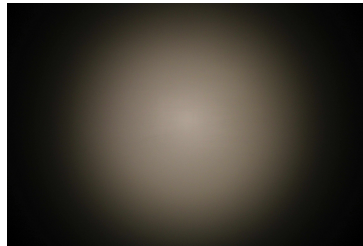


Light distribution files

### OPTICAL RESULTS (MEASURED):



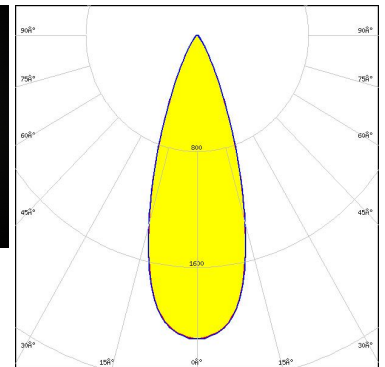
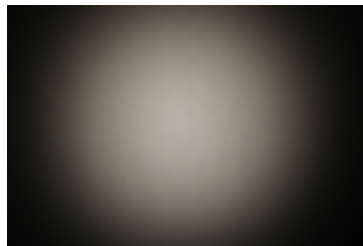
LED V8 Gen 8-9  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 34.0° / 58.0°  
 Efficiency 91 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



Light distribution files

### CITIZEN

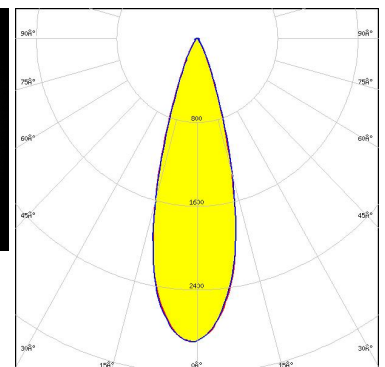
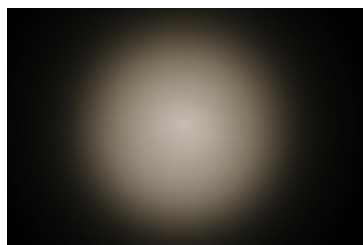
LED CLU02x (LES10)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 35.0° / 59.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files

### CITIZEN

LED CLU700/701/702/703  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 30.0° / 51.0°  
 Efficiency 91 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.360.1020

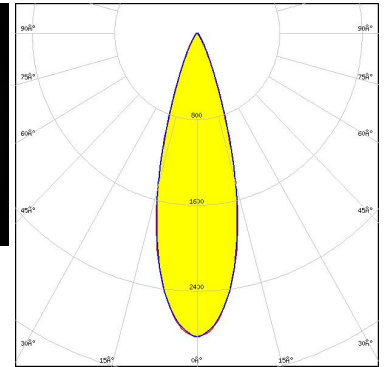
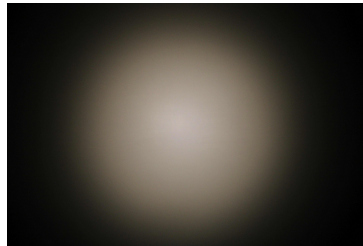


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

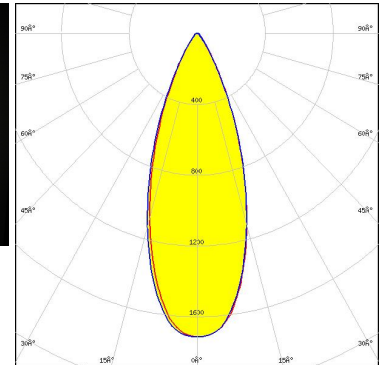
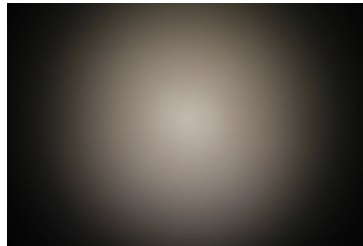
LED CLU7S3  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 31.0° / 53.0°  
 Efficiency 92 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 667a Bayonet35



Light distribution files



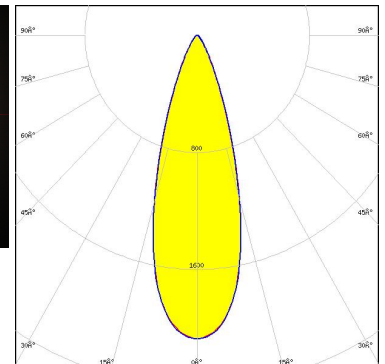
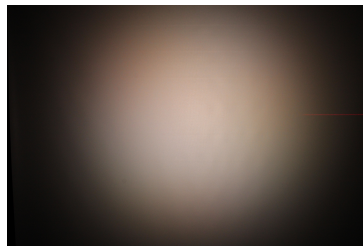
LED CMU15xx  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 38.0° / 66.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files



LED LUXEON Fusion 12-up (20x24)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 33.0° / 58.0°  
 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

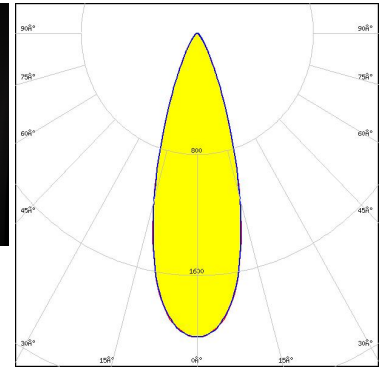
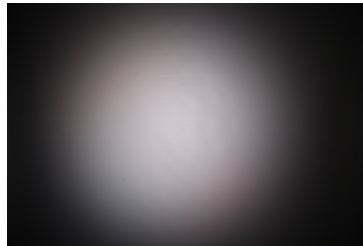


Light distribution files

### OPTICAL RESULTS (MEASURED):



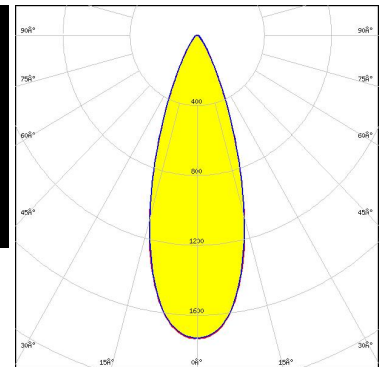
LED LUXEON Fusion 21-up (20x24)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 33.0° / 59.0°  
 Efficiency 81 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS  
 Bender Wirth: 442 Typ L8



Light distribution files



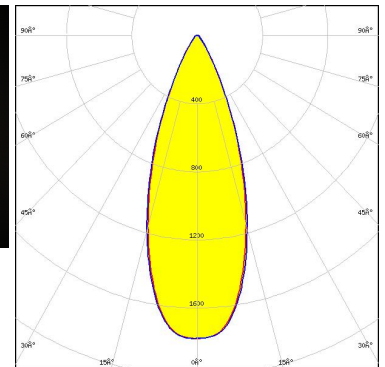
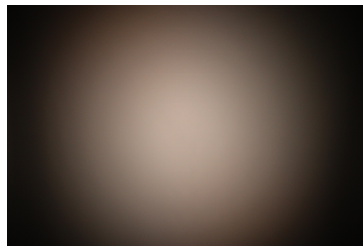
LED LUXEON Fusion 27-up (20x24)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 36.0° / 63.0°  
 Efficiency 81 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS  
 Bender Wirth: 442 Typ L8



Light distribution files



LED CTM-14 (Tunable White) Gen2  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 38.0° / 64.0°  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 442 Typ L8



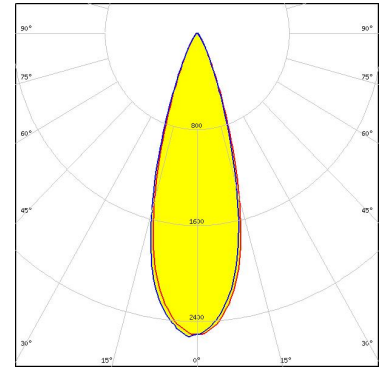
Light distribution files



### OPTICAL RESULTS (MEASURED):

#### PHILIPS

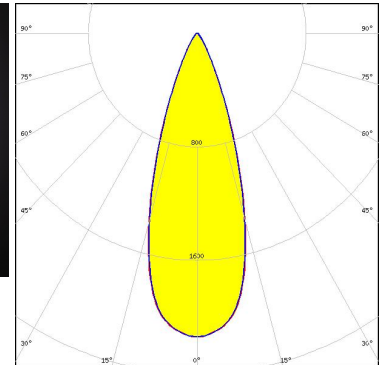
LED Fortimo SLM C TW L06A 1313 G7N  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 32.0° / 54.0°  
 Efficiency 90 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 508 Typ L8



Light distribution files

#### PHILIPS

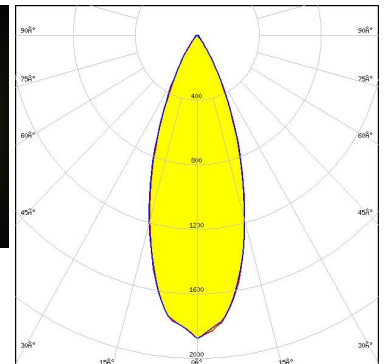
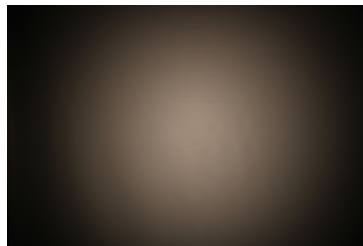
LED Fortimo SLM C TW L09A 1919 G7N  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 35.0° / 58.0°  
 Efficiency 89 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 501 Typ L8



Light distribution files

#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 38.0° / 66.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

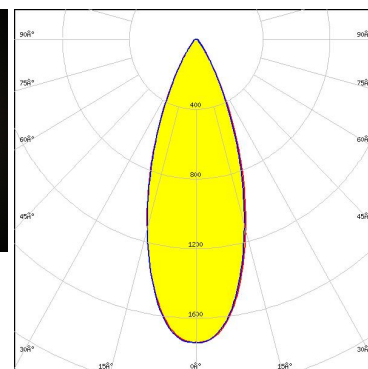
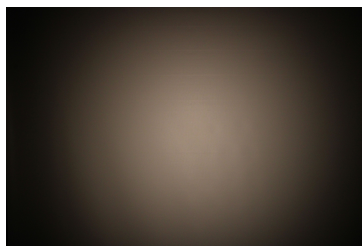


Light distribution files

## OPTICAL RESULTS (MEASURED):

**SAMSUNG**

LED LC016D / LC019D / LC026D / LC033D  
Ordering code C17778\_AMY-70-W  
FWHM / FWTM 38.0° / 66.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

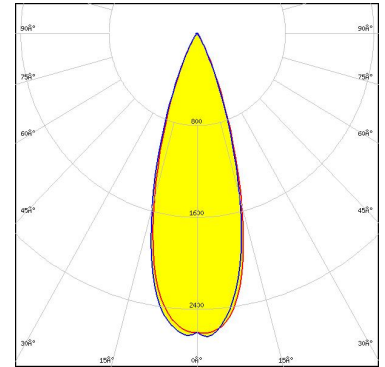
### OPTICAL RESULTS (SIMULATED):



LED V10 Gen 8-9  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 33.0° / 54.0°  
 Efficiency 91 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.360.1020

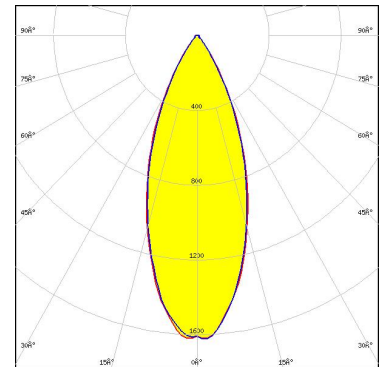
Light distribution files



LED V18 Gen 8-9  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 40.0° / 70.0°  
 Efficiency 85 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

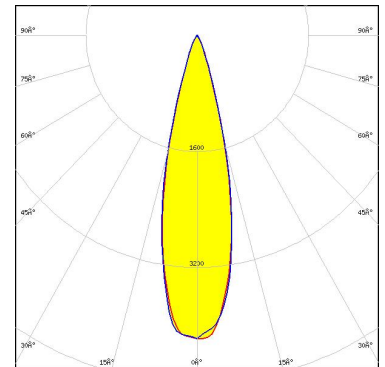
Bender Wirth: 639b Hekla XL

Light distribution files



LED V3 HD Gen 8  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 26.0° / 42.0°  
 Efficiency 93 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A

Light distribution files

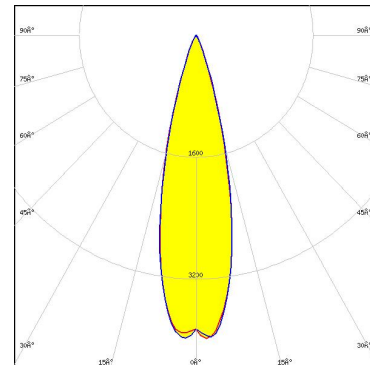




### OPTICAL RESULTS (SIMULATED):



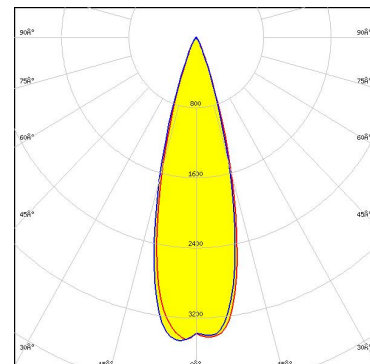
**LED** V4 HD Gen 8  
**Ordering code** CP19039\_AMY-70-W-C2  
**FWHM / FWTM** 26.0° / 44.0°  
**Efficiency** 93 %  
**Peak intensity** 4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15253\_HEKLA-SOCKET-A



Light distribution files



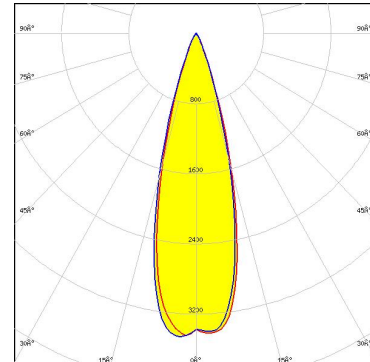
**LED** V6 Gen 8-9  
**Ordering code** CP19039\_AMY-70-W-C2  
**FWHM / FWTM** 29.0° / 46.0°  
**Efficiency** 93 %  
**Peak intensity** 3.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15253\_HEKLA-SOCKET-A



Light distribution files



**LED** V6 Gen 8-9  
**Ordering code** CP19039\_AMY-70-W-C2  
**FWHM / FWTM** 29.0° / 46.0°  
**Efficiency** 96 %  
**Peak intensity** 3.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15253\_HEKLA-SOCKET-A

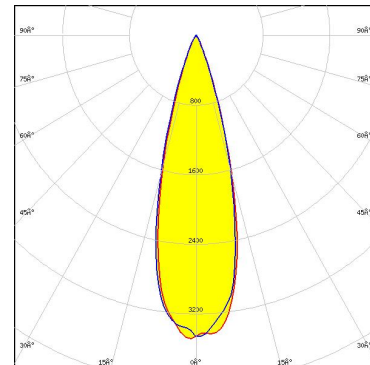


Light distribution files

### OPTICAL RESULTS (SIMULATED):



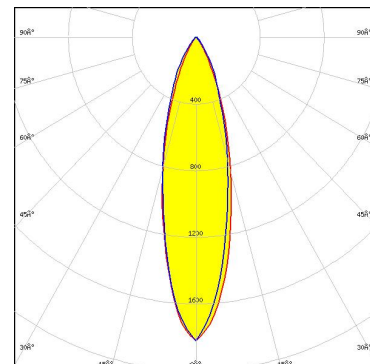
LED V6 HD Gen 8  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 29.0° / 46.0°  
 Efficiency 92 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files



LED V6 HD Gen 8  
 Ordering code CP19044\_AMY-70-O-C2  
 FWHM / FWTM 26.0° / 60.0°  
 Efficiency 90 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

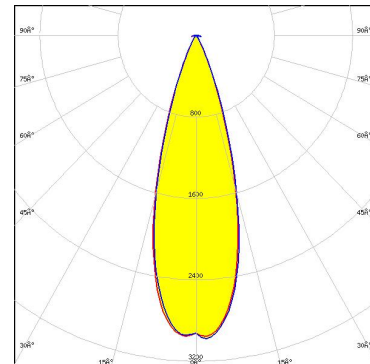


Light distribution files

Bender Wirth: 634c Hekla



LED V8 Gen 8-9  
 Ordering code C17778\_AMY-70-W  
 FWHM / FWTM 31.0° / 50.0°  
 Efficiency 95 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

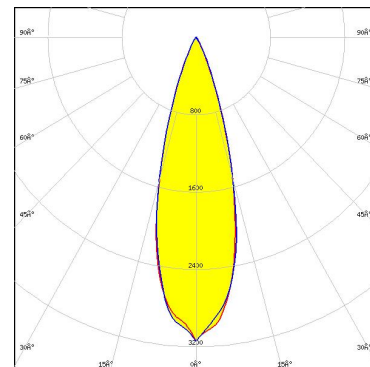


Light distribution files

### OPTICAL RESULTS (SIMULATED):



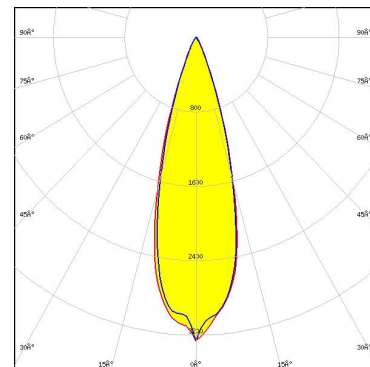
LED V8 Gen7  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 30.0° / 50.0°  
 Efficiency 90 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



Light distribution files



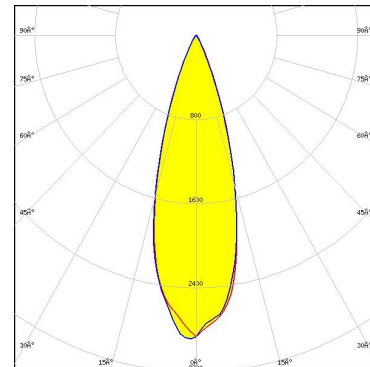
LED V9 HD Gen 8  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 30.0° / 48.0°  
 Efficiency 91 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files



LED VERO10  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 31.0° / 52.0°  
 Efficiency 89 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15616\_HEKLA-SOCKET-F

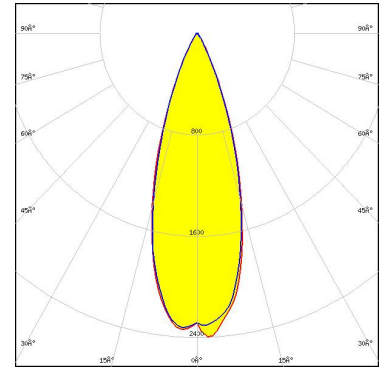


Light distribution files

### OPTICAL RESULTS (SIMULATED):



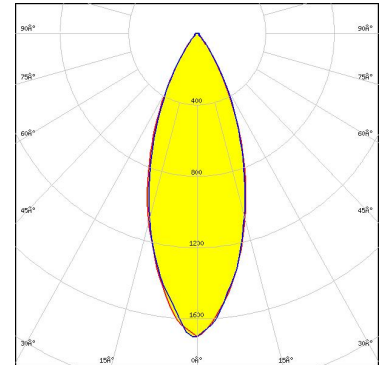
LED VERO13  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 34.0° / 56.0°  
 Efficiency 88 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



Light distribution files



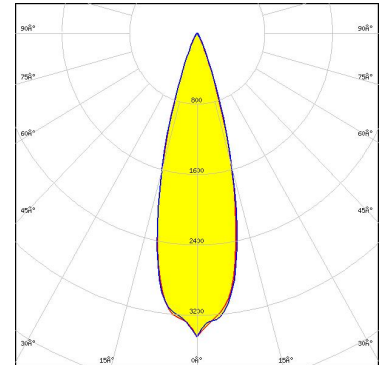
LED VERO18  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 39.0° / 71.0°  
 Efficiency 88 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



Light distribution files



LED Vesta DTW 13mm (21W)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 29.0° / 46.0°  
 Efficiency 92 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

Bender Wirth: 632b Hekla XL

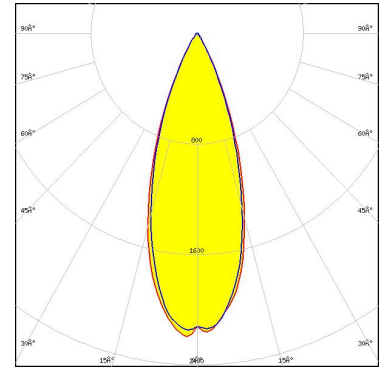
### OPTICAL RESULTS (SIMULATED):



LED Vesta DTW 15mm (33W)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 36.0° / 60.0°  
 Efficiency 90 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 632b Hekla XL

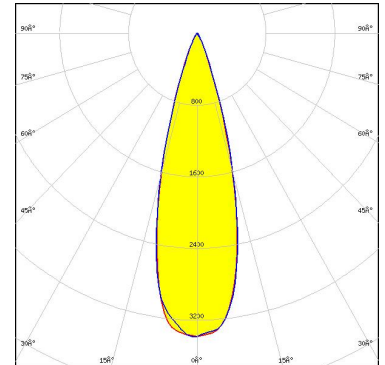
Light distribution files



LED Vesta DTW 6mm  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 30.0° / 46.0°  
 Efficiency 92 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 652b Hekla

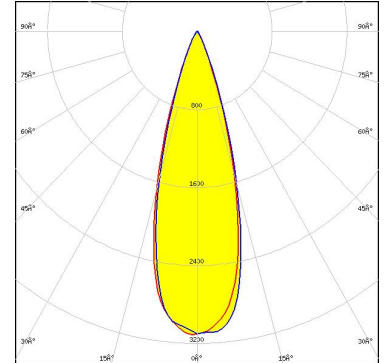
Light distribution files



LED Vesta DTW 9mm (4W/6W/12W)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 31.0° / 48.0°  
 Efficiency 92 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Bender Wirth: 652b Hekla

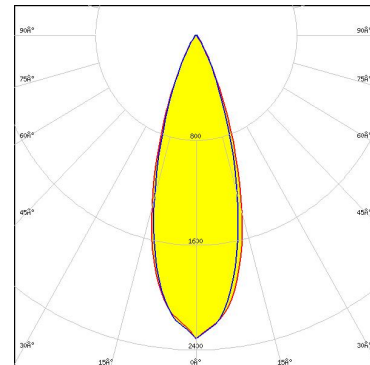
Light distribution files



### OPTICAL RESULTS (SIMULATED):



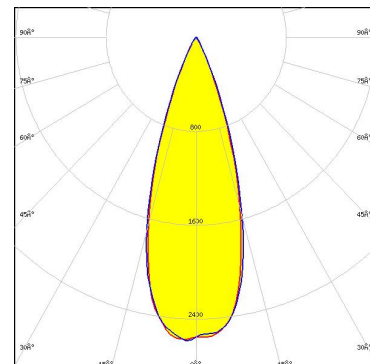
LED Vesta SE 13mm TW  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 33.0° / 57.0°  
 Efficiency 86 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



Light distribution files



LED Vesta TW 9mm (9W) DP  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 35.0° / 54.0°  
 Efficiency 92 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

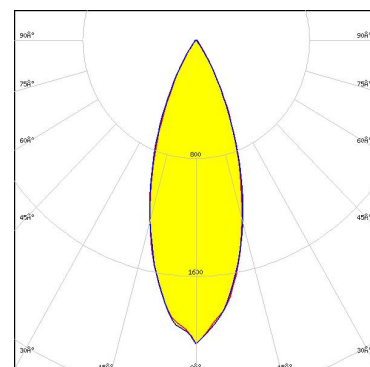


Light distribution files

Bender Wirth: 489 Typ L8

## CITIZEN

LED CLU03Q Type-F  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 36.0° / 63.0 + 64.0°  
 Efficiency 90 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I

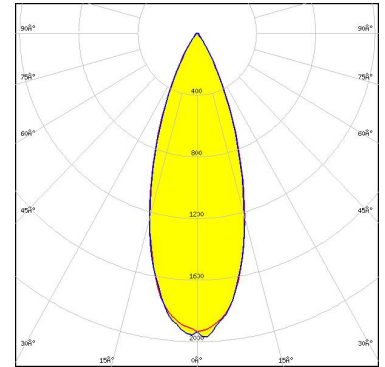


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

### CITIZEN

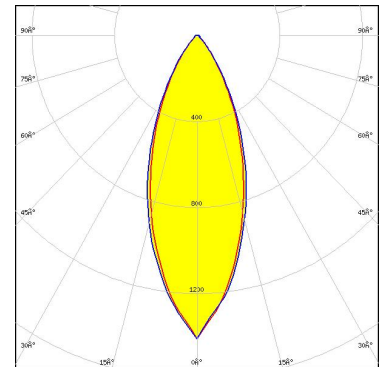
LED CLU03x  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 36.0° / 64.0°  
 Efficiency 87 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

### CITIZEN

LED CLU04x  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 39.0° / 75.0°  
 Efficiency 79 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

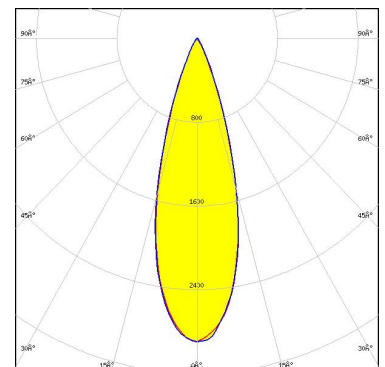


Light distribution files

Bender Wirth: 631a Hekla XL

### CITIZEN

LED CLU700/701/702/703  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 31.0° / 52.0°  
 Efficiency 90 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

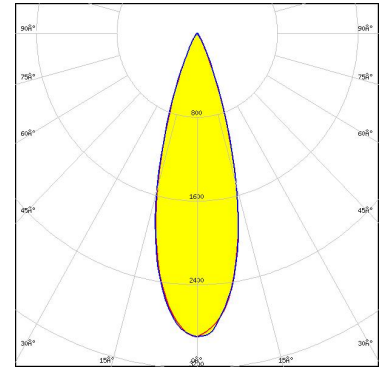


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

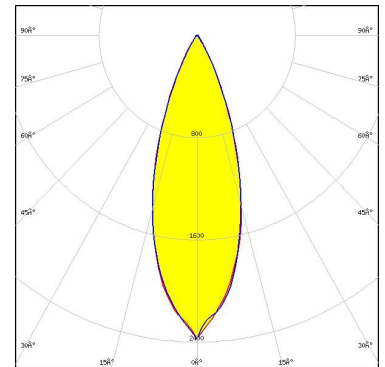
LED CLU700/701/702/703  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 31.0° / 50.0°  
 Efficiency 91 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

#### CITIZEN

LED CLU733 Type-F  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 34.0° / 60.0°  
 Efficiency 92 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

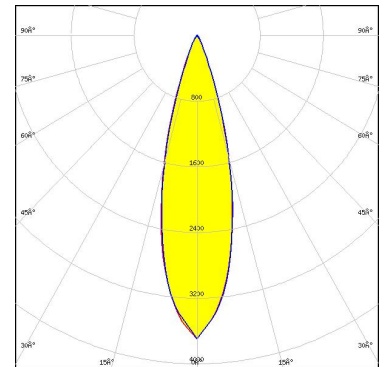


Light distribution files

Bender Wirth: 631b Hekla XL



LED CHA0410  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 28.0° / 46.0°  
 Efficiency 92 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



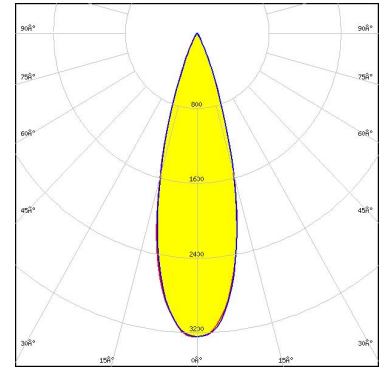
Light distribution files



### OPTICAL RESULTS (SIMULATED):



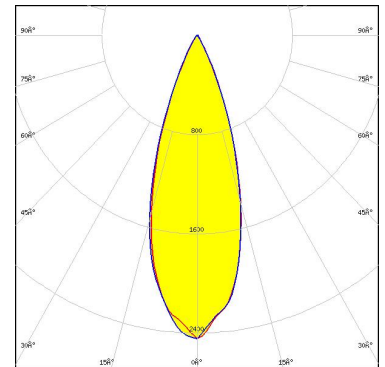
LED: CHA0612  
 Ordering code: CP19039\_AMY-70-W-C2  
 FWHM / FWTM: 30.0° / 48.0°  
 Efficiency: 92 %  
 Peak intensity: 3.3 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



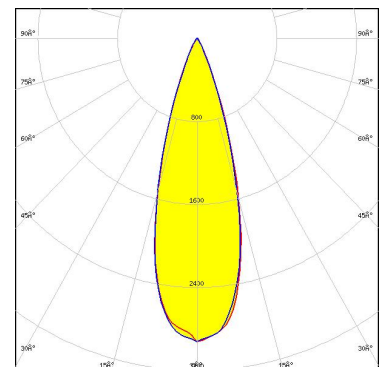
LED: CMA1825  
 Ordering code: CP19039\_AMY-70-W-C2  
 FWHM / FWTM: 35.0° / 56.0°  
 Efficiency: 89 %  
 Peak intensity: 2.5 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 F15254\_HEKLA-SOCKET-B



Light distribution files



LED: CMT14xx  
 Ordering code: CP19039\_AMY-70-W-C2  
 FWHM / FWTM: 31.0° / 50.0°  
 Efficiency: 89 %  
 Peak intensity: 2.9 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 F17435\_HEKLA-G2-C

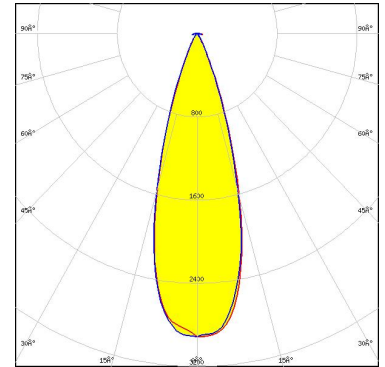


Light distribution files

### OPTICAL RESULTS (SIMULATED):



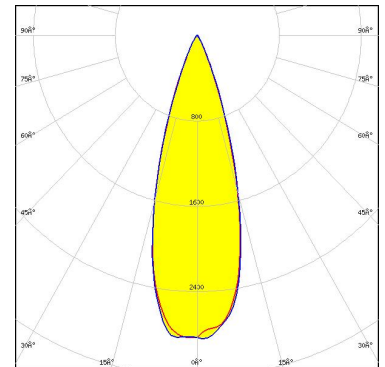
LED CMT14xx  
 Ordering code C17778\_AMY-70-W  
 FWHM / FWTM 32.0° / 50.0°  
 Efficiency 95 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



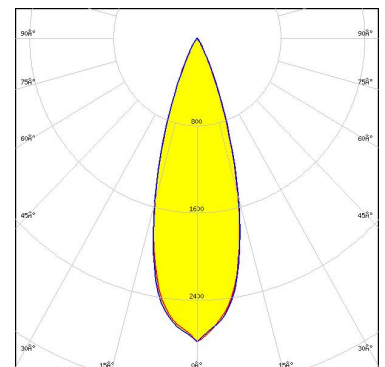
LED CMU10xx  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 32.0° / 50.0°  
 Efficiency 90 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



LED CMU10xx  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 32.0° / 54.0°  
 Efficiency 91 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



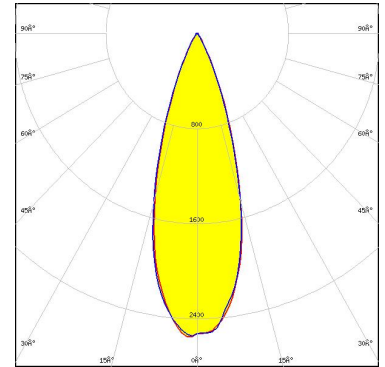
Light distribution files

BJB: 47.360.1020

### OPTICAL RESULTS (SIMULATED):



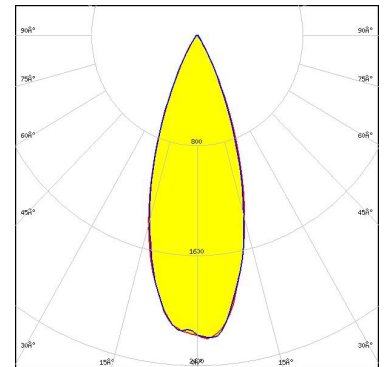
LED CXA/B 15xx  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 33.0° / 55.0°  
 Efficiency 88 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



Light distribution files



LED LUXEON CX Plus CoB L08 (Gen2)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 36.0° / 60.0°  
 Efficiency 92 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Bender Wirth: 637a Hekla

Light distribution files



LED LUXEON CoB 1202/1203  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 32.0° / 50.0°  
 Efficiency 91 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H

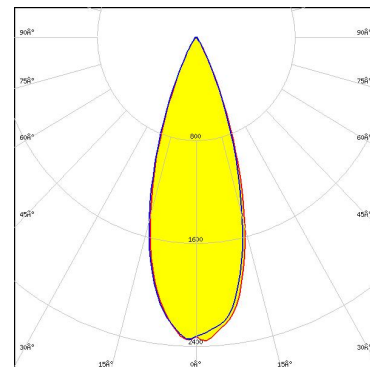
Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB 1204/1205  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 35.0° / 57.0°  
 Efficiency 91 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

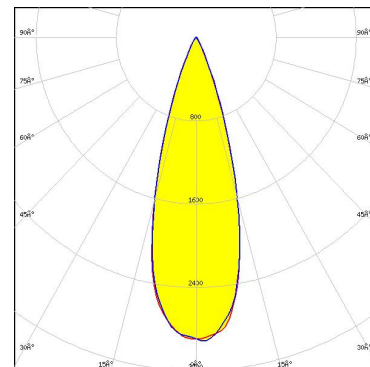
Bender Wirth: 632a Hekla XL



Light distribution files



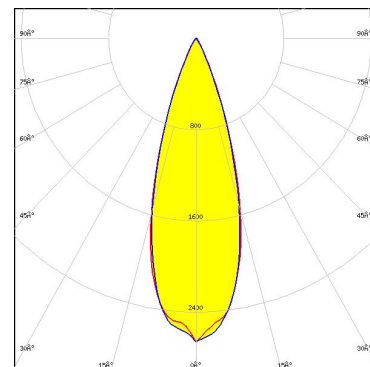
LED LUXEON CoB 1204HD  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 32.0° / 50.0°  
 Efficiency 91 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



Light distribution files



LED LUXEON CoB 1205HD  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 33.0° / 54.0°  
 Efficiency 91 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H

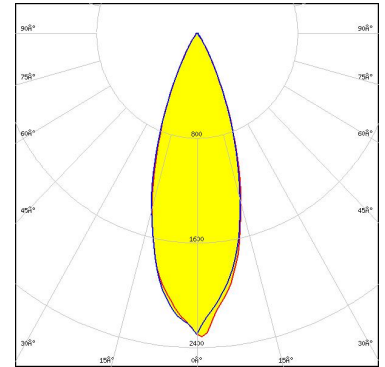


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED LUXEON CoB 1208  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 35.0° / 59.0°  
 Efficiency 90 %  
 Peak intensity 2.3 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

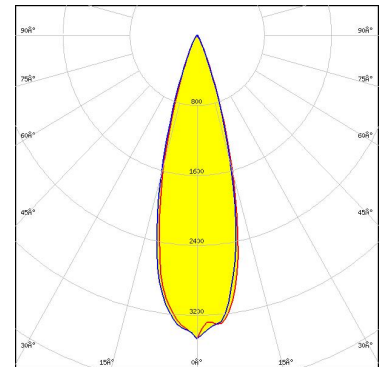


Bender Wirth: 632a Hekla XL

Light distribution files



LED LUXEON CX Plus CoB - HD S02H6  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 29.0° / 47.0°  
 Efficiency 93 %  
 Peak intensity 3.5 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

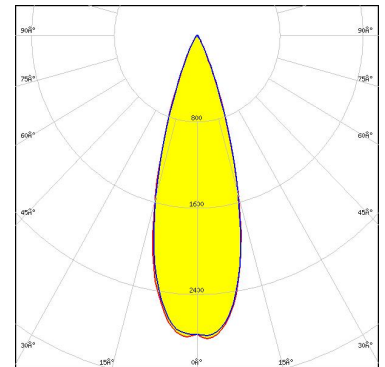


Bender Wirth: 634c Bayonet35L

Light distribution files



LED LUXEON CX Plus CoB - HD S04H9  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 32.0° / 51.0°  
 Efficiency 89 %  
 Peak intensity 2.8 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

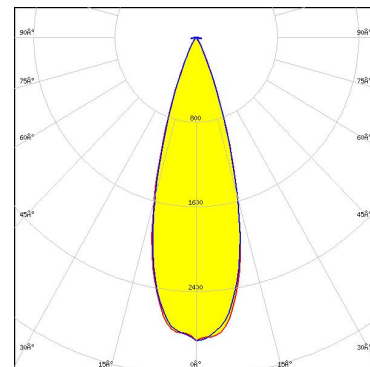


Light distribution files

### OPTICAL RESULTS (SIMULATED):



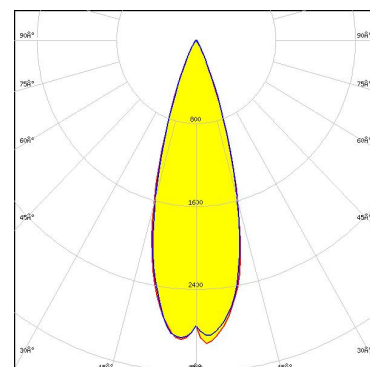
LED LUXEON CX Plus CoB - HD S04H9  
 Ordering code C17778\_AMY-70-W  
 FWHM / FWTM 32.0° / 50.0°  
 Efficiency 95 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON CX Plus CoB - HD S04H9  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 32.0° / 50.0°  
 Efficiency 92 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

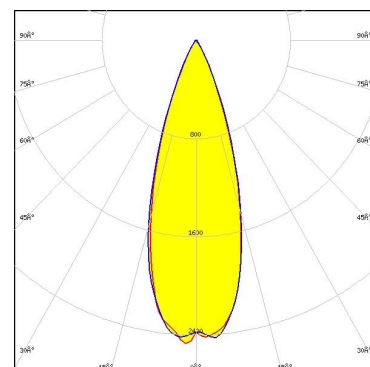


Light distribution files

Bender Wirth: 634a Bayonet35L



LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 35.0° / 56.0°  
 Efficiency 92 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15254\_HEKLA-SOCKET-B

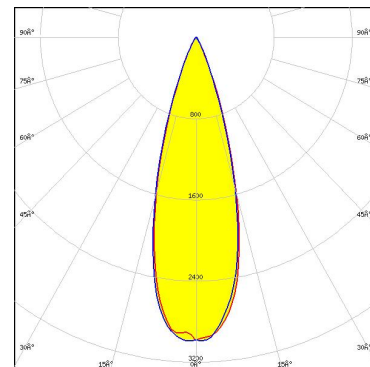


Light distribution files

### OPTICAL RESULTS (SIMULATED):



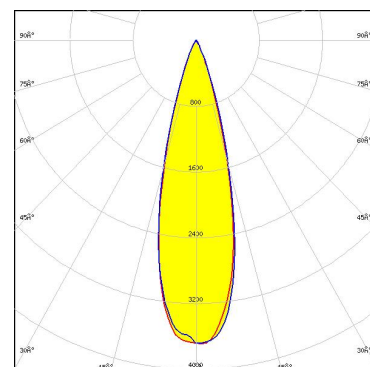
LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 31.0° / 50.0°  
 Efficiency 92 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



Light distribution files



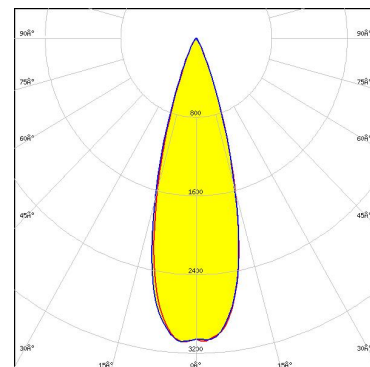
LED LUXEON CX Plus CoB S01 (Gen2)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 28.0° / 46.0°  
 Efficiency 93 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



Light distribution files



LED CHM-9 XH (19x19)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 31.0° / 50.0°  
 Efficiency 93 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

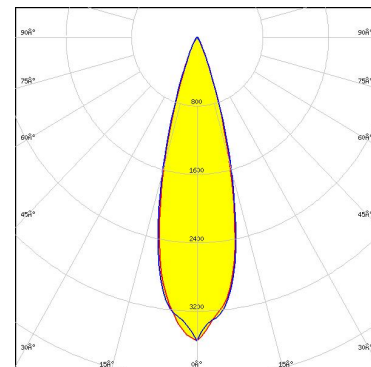


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED CTM-6 (Tunable White) Gen2  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 28.0° / 46.0°  
 Efficiency 93 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

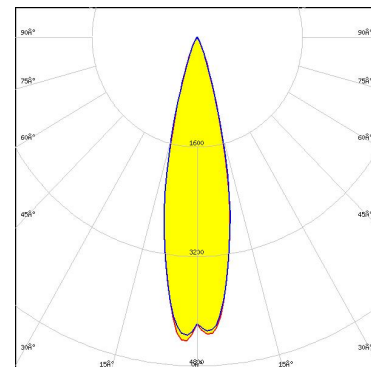


Light distribution files

Bender Wirth: 495 Typ L8



LED CXM-3  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 25.0° / 42.0°  
 Efficiency 93 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

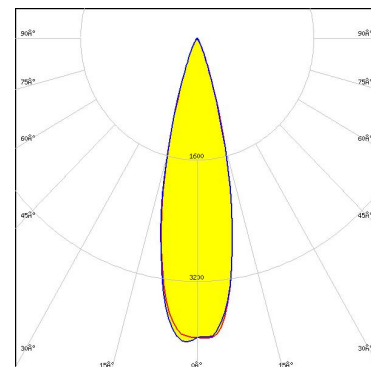


Light distribution files

Bender Wirth: 634a Bayonet35L



LED CXM-4  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 26.0° / 44.0°  
 Efficiency 93 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

Bender Wirth: 634a Bayonet35L

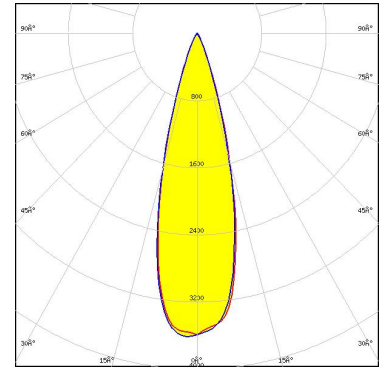


### OPTICAL RESULTS (SIMULATED):



LED CxM-6 (13.5x13.5)  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 28.0° / 46.0°  
 Efficiency 93 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.360.1020

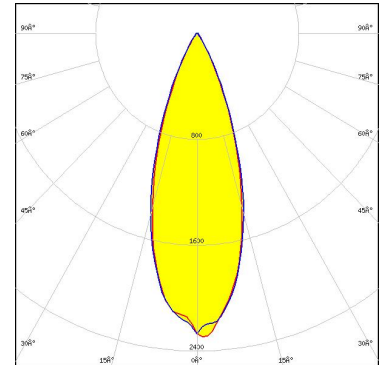


Light distribution files



LED COB J-Type  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 35.0° / 59.0°  
 Efficiency 92 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

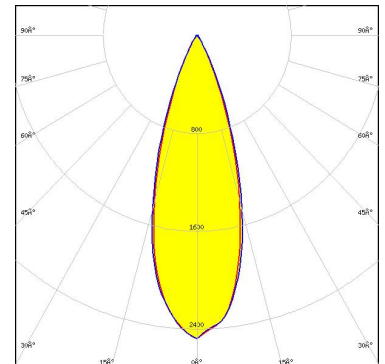
Bender Wirth: 663a Hekla XL



Light distribution files



LED COB L-Type (LES 11)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 33.0° / 56.0°  
 Efficiency 89 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17437\_HEKLA-G2-H

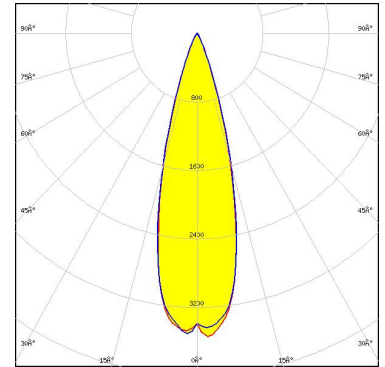


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED COB S-Type (LES 6)  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 28.0° / 46.0°  
 Efficiency 93 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

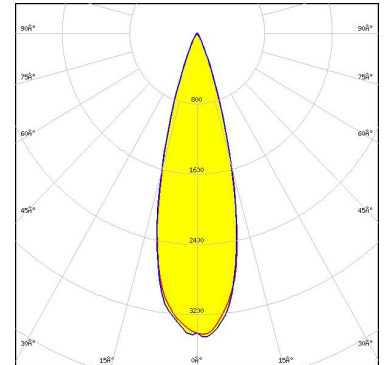


Bender Wirth: 652a Bayonet35L

Light distribution files



LED COB S-Type (LES 7)  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 29.0° / 47.0°  
 Efficiency 92 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

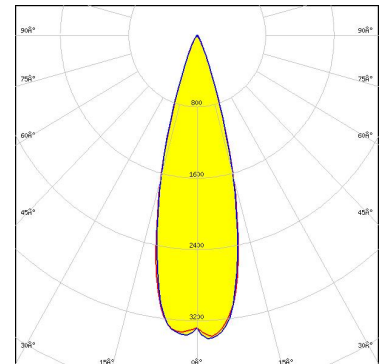


Bender Wirth: 652a Bayonet35L

Light distribution files



LED COB T-Type  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 30.0° / 46.0°  
 Efficiency 92 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



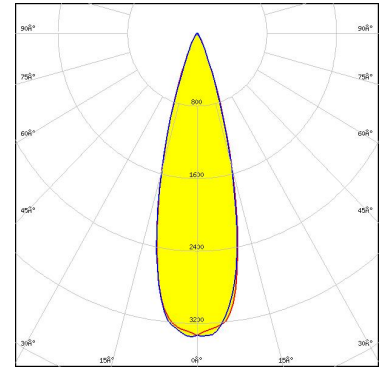
Bender Wirth: 652a Bayonet35L

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED NJCWL024Z-V1MT: COB L-Type Tunable White  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 29.0° / 48.0°  
 Efficiency 93 %  
 Peak intensity 3.5 cd/Im  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

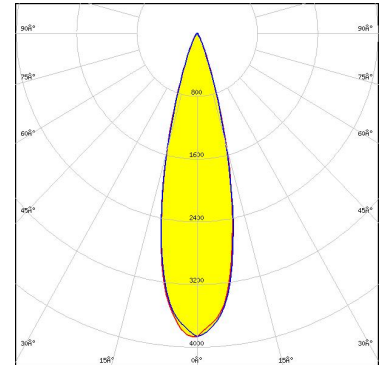


Light distribution files

Bender Wirth: 497 Typ L8 HV



LED NJNWS012Z-V1MT: COB S-Type Tunable White  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 26.0° / 44.0°  
 Efficiency 93 %  
 Peak intensity 3.9 cd/Im  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

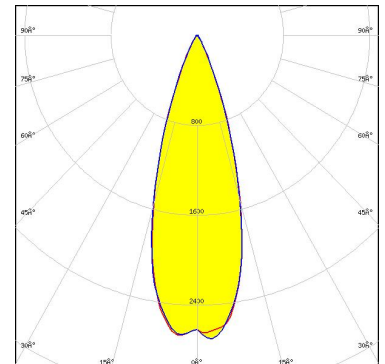


Light distribution files

Bender Wirth: 495 Typ L8 HV



LED NVCWJ024Z-V1MT: COB J-Type Tunable White  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 32.0° / 54.0°  
 Efficiency 92 %  
 Peak intensity 2.8 cd/Im  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



Light distribution files

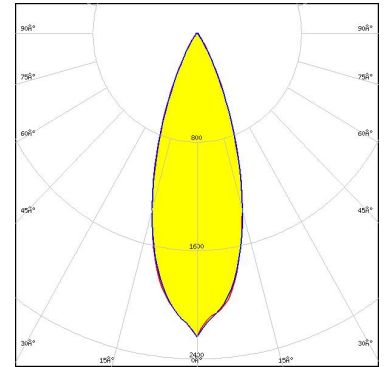
Bender Wirth: 498 Typ L8 HV

### OPTICAL RESULTS (SIMULATED):

#### PHILIPS

LED	Fortimo SLM L15 CoB
Ordering code	CP19039_AMY-70-W-C2
FWHM / FWTM	34.0° / 60.0°
Efficiency	89 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

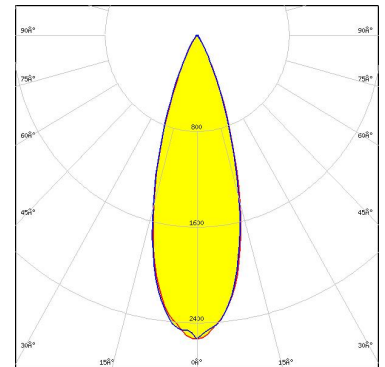
Bender Wirth: 632a Hekla XL



Light distribution files

#### SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
Ordering code	CP19039_AMY-70-W-C2
FWHM / FWTM	33.0° / 56.0°
Efficiency	90 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F15255_HEKLA-SOCKET-C

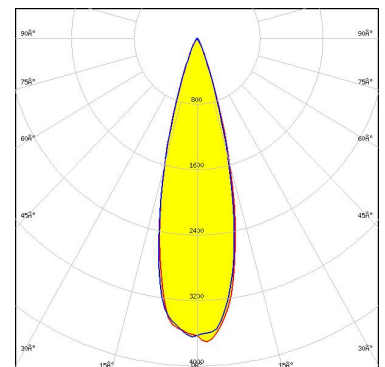


Light distribution files

#### SAMSUNG

LED	LC010C G2
Ordering code	CP19092_AMY-70-W-B2
FWHM / FWTM	28.0° / 46.0°
Efficiency	93 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

BJB: 47.360.1020



Light distribution files

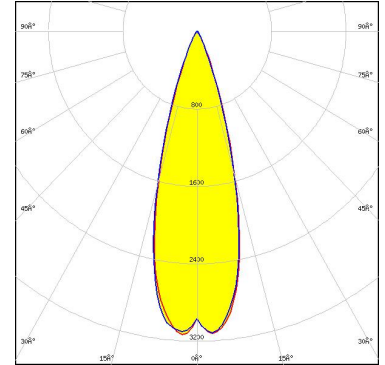
### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LC010T (Tunable White)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 30.0° / 49.0°  
 Efficiency 93 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:

Bender Wirth: 501 Typ L8

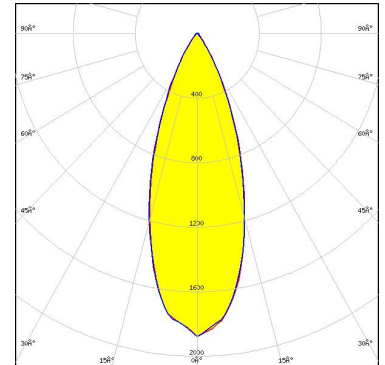
Light distribution files



#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 36.0° / 66.0°  
 Efficiency 87 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

Light distribution files

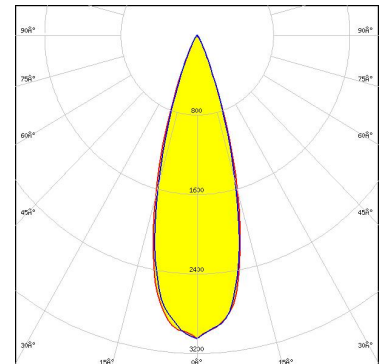


#### SAMSUNG

LED LC020C G2  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 31.0° / 50.0°  
 Efficiency 92 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

BJB: 47.360.1010

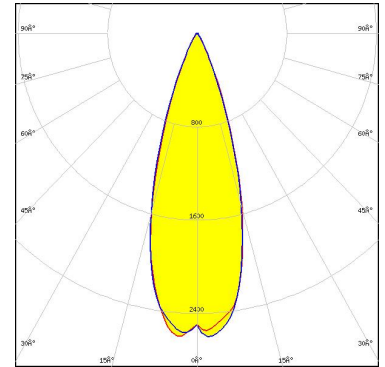
Light distribution files



### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LC020T (Tunable white)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 34.0° / 54.0°  
 Efficiency 92 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

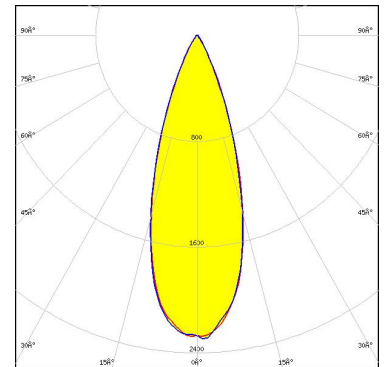


Light distribution files

Bender Wirth: 501 Typ L8

#### SAMSUNG

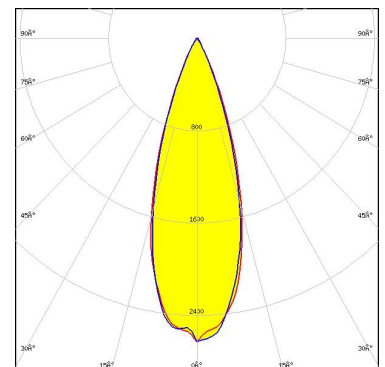
LED LC020T (Tunable white)  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 34.0° / 58.0°  
 Efficiency 89 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

#### SAMSUNG

LED LC030C/040C G2  
 Ordering code CP19092\_AMY-70-W-B2  
 FWHM / FWTM 34.0° / 54.0°  
 Efficiency 91 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



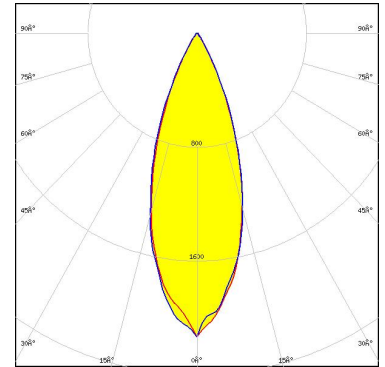
Light distribution files

BJB: 47.360.1010

### OPTICAL RESULTS (SIMULATED):



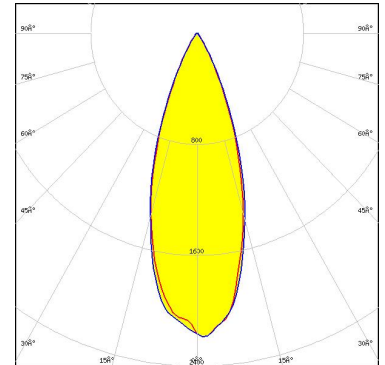
LED MJT COB LES 14.5  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 36.0° / 61.0°  
 Efficiency 88 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files



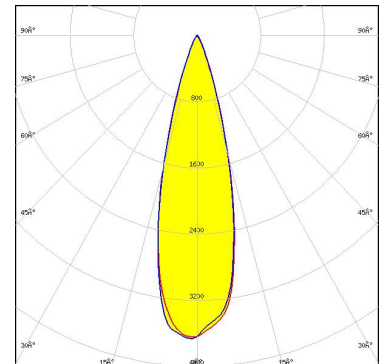
LED MJT COB LES 14.5  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 36.0° / 60.0°  
 Efficiency 91 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files



LED MJT COB LES 6  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 28.0° / 46.0°  
 Efficiency 94 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

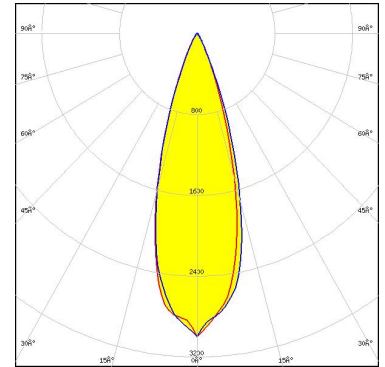


Light distribution files

### OPTICAL RESULTS (SIMULATED):



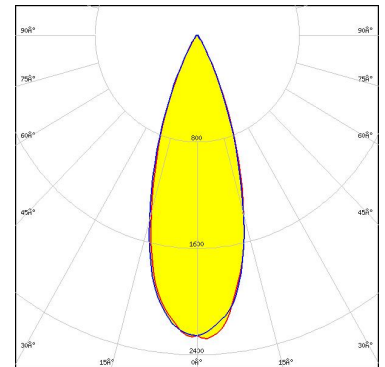
LED MJT COB LES 9.8  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 31.0° / 51.0°  
 Efficiency 93 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

### TRIDONIC

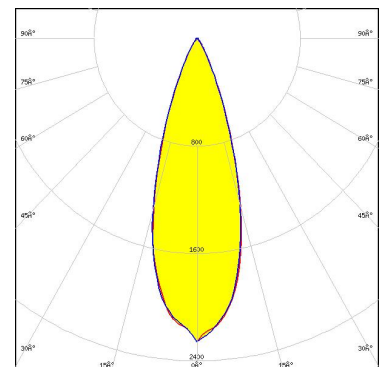
LED SLE G7 LES13  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 36.0° / 58.0°  
 Efficiency 90 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

### XICATO

LED XOB 14.5 mm  
 Ordering code CP19039\_AMY-70-W-C2  
 FWHM / FWTM 33.0° / 56.0°  
 Efficiency 81 %  
 Peak intensity 2.3 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.

### 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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#### LEDiL Oy

Joensuunkatu 7  
FI-24100 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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