

## AMY-70-S

~18° spot beam

### SPECIFICATION:

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

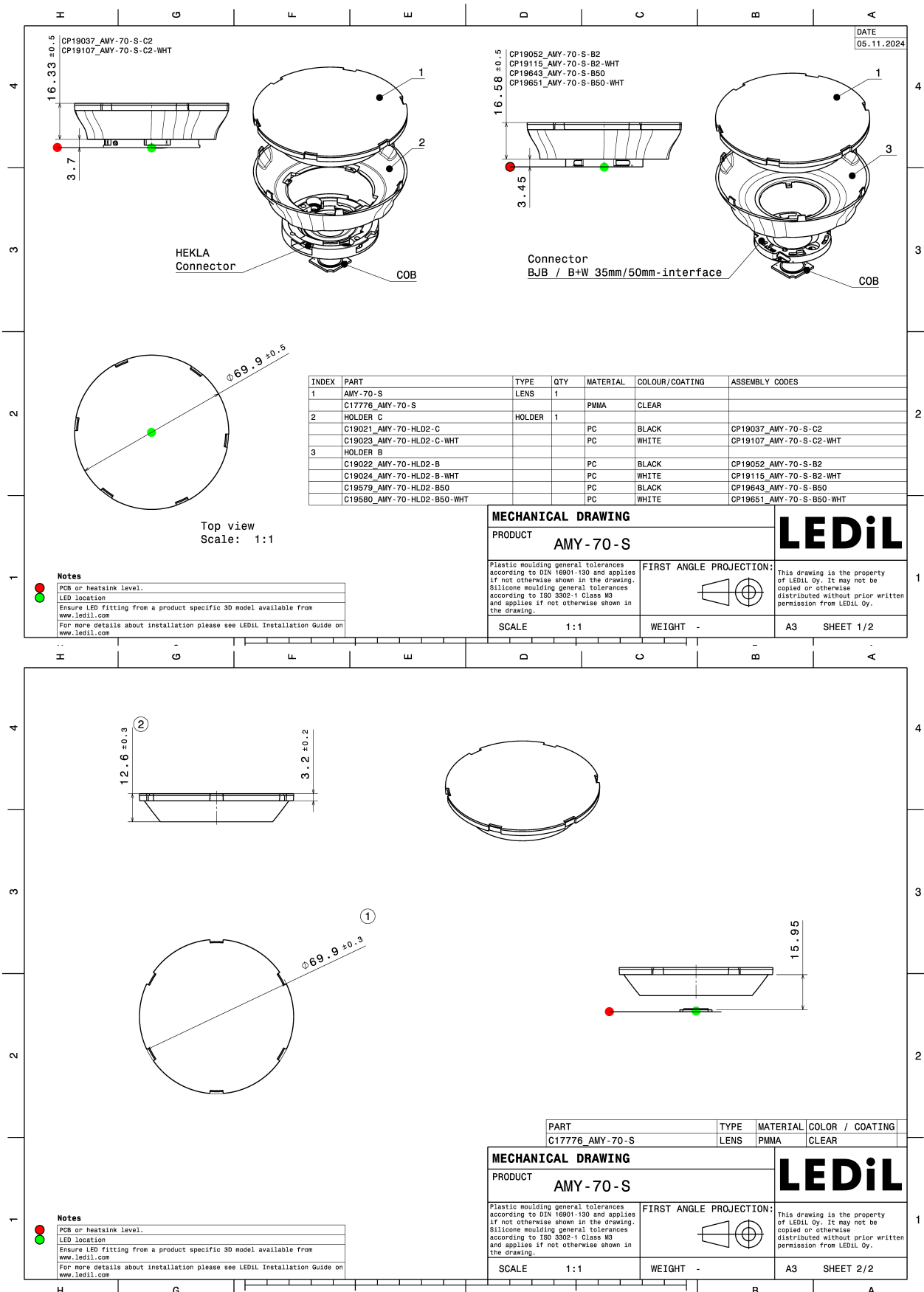
### MATERIALS:



| Component           | Type        | Material | Colour | Finish | Length (mm) |
|---------------------|-------------|----------|--------|--------|-------------|
| AMY-70-S            | Single lens | PMMA     |        |        |             |
| 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          | 285        | 285 | 15  | 9.2             |
| <b>Assembly</b>          |            |     |     |                 |
| CP19651_AMY-70-S-B50-WHT | 210        | 210 | 15  | 8.6             |
| CP19643_AMY-70-S-B50     | 210        | 210 | 15  | 8.4             |
| CP19115_AMY-70-S-B2-WHT  | 210        | 210 | 15  | 8.7             |
| CP19107_AMY-70-S-C2-WHT  | 210        | 210 | 15  | 8.4             |
| CP19052_AMY-70-S-B2      | 210        | 210 | 15  | 8.7             |
| CP19037_AMY-70-S-C2      | 210        | 210 | 15  | 8.4             |

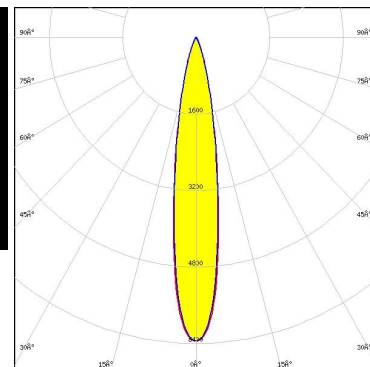
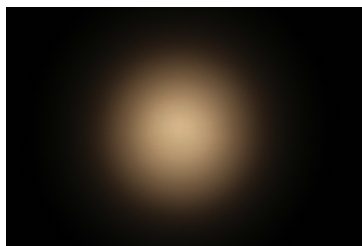


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



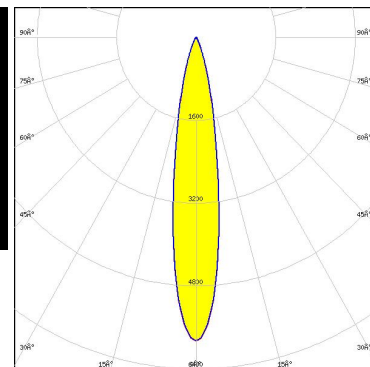
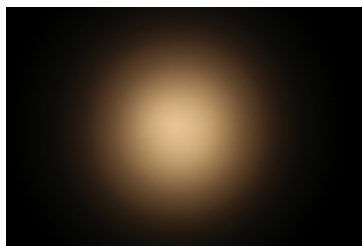
LED V10 Gen 8-9  
Ordering code CP19037\_AMY-70-S-C2  
FWHM / FWTM 17.0° / 37.0°  
Efficiency 92 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15255\_HEKLA-SOCKET-C



Light distribution files



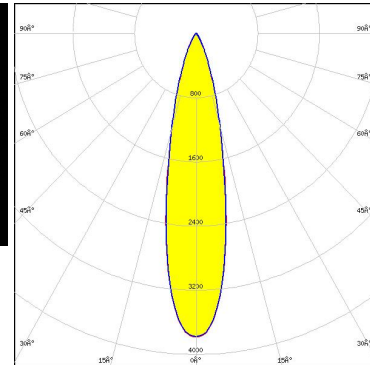
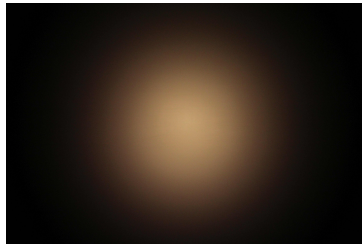
LED V11 HD Gen 8  
Ordering code CP19037\_AMY-70-S-C2  
FWHM / FWTM 18.0° / 38.0°  
Efficiency 91 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
Bender Wirth: 633d Hekla



Light distribution files



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



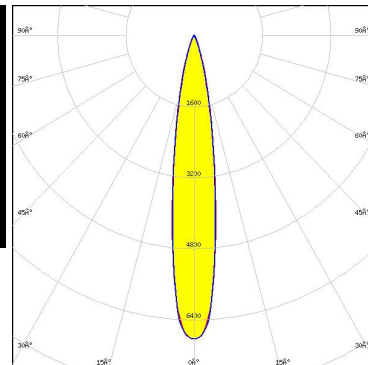
Light distribution files



### OPTICAL RESULTS (MEASURED):



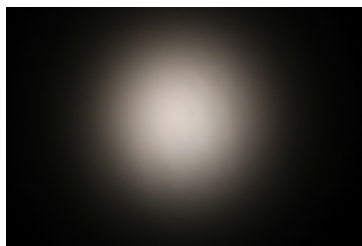
LED V8 Gen 8-9  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 17.0° / 36.0°  
 Efficiency 93 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



Light distribution files

### CITIZEN

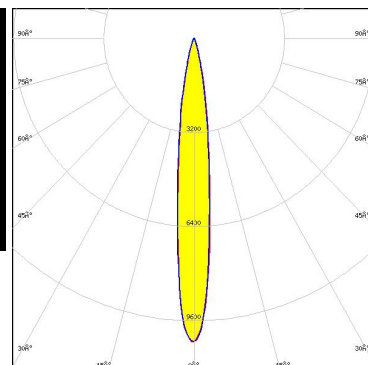
LED CLL02x/CLU02x (LES10)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 17.0° / 36.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files

### 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

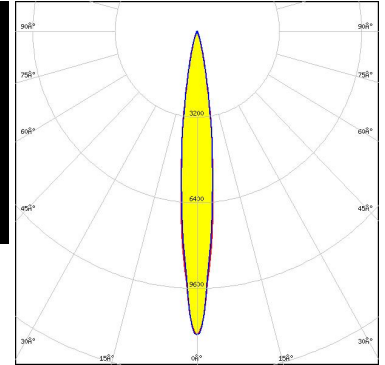


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

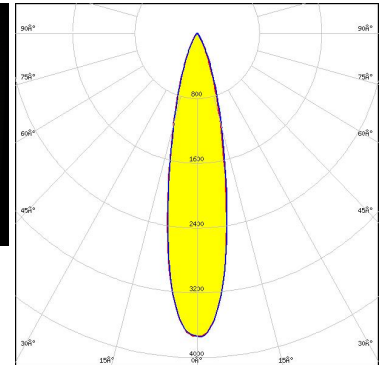
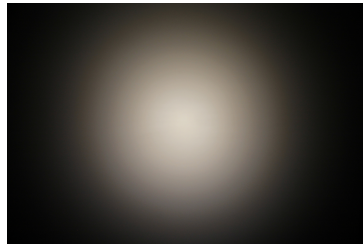
LED CLU7S3  
 Ordering code CP19052\_AMY-70-S-B2  
 FWHM / FWTM 12.0° / 28.0°  
 Efficiency 93 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 667a Bayonet35



Light distribution files



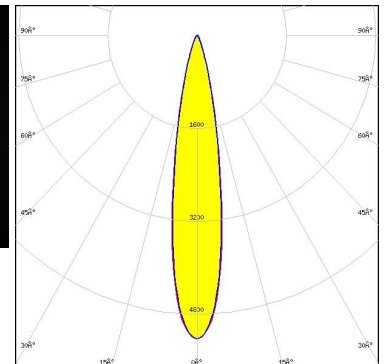
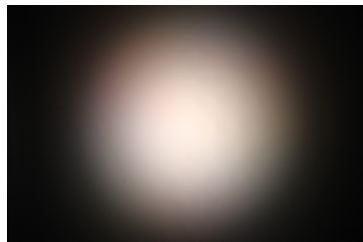
LED CMU15xx  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 23.0° / 48.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



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

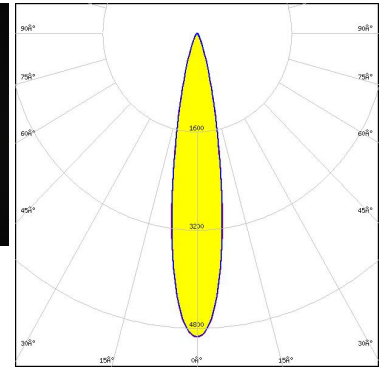
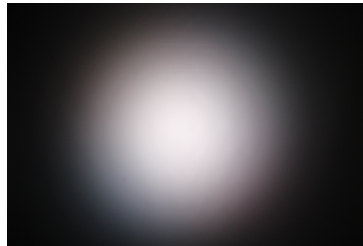


Light distribution files

### OPTICAL RESULTS (MEASURED):



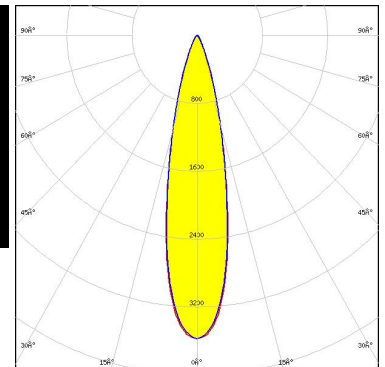
LED LUXEON Fusion 21-up (20x24)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 19.0° / 38.0°  
 Efficiency 82 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS  
 Bender Wirth: 442 Typ L8



Light distribution files



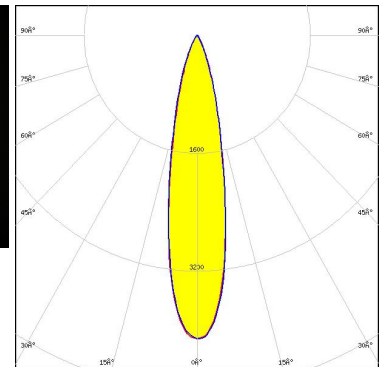
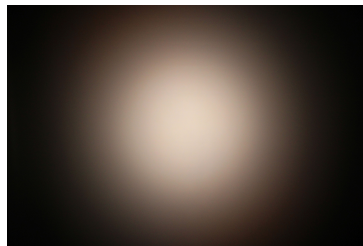
LED LUXEON Fusion 27-up (20x24)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 23.0° / 45.0°  
 Efficiency 82 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 F18158\_HEKLA-RZ-LENS  
 Bender Wirth: 442 Typ L8



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

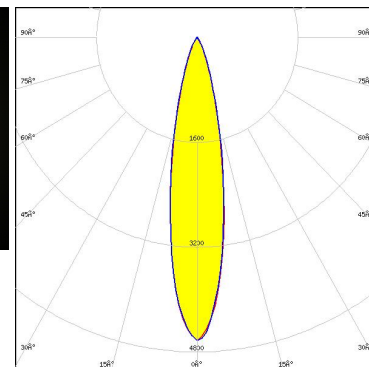
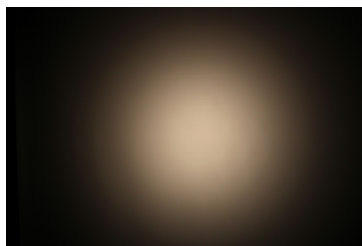


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

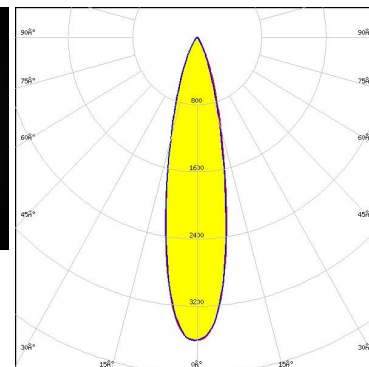
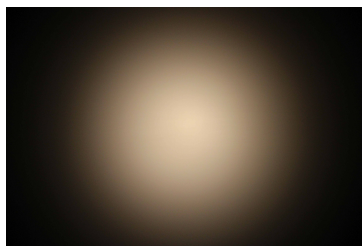
LED LC016D / LC019D / LC026D / LC033D  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 23.0° / 49.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### 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:



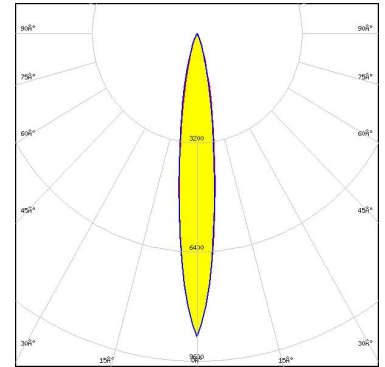
Light distribution files

### OPTICAL RESULTS (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:

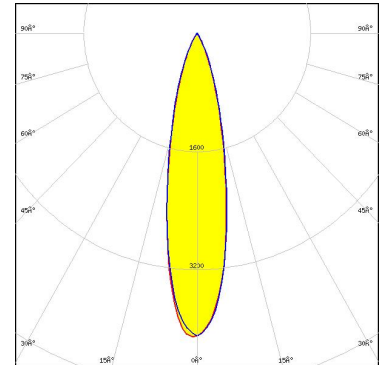
BJB: 47.360.1020



Light distribution files



LED 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:

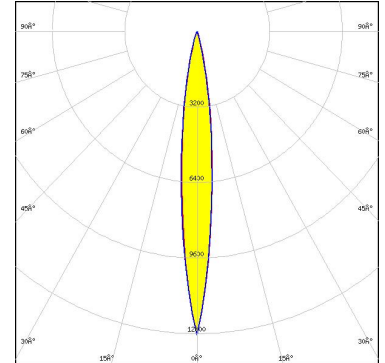


Light distribution files



LED 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

### OPTICAL RESULTS (SIMULATED):

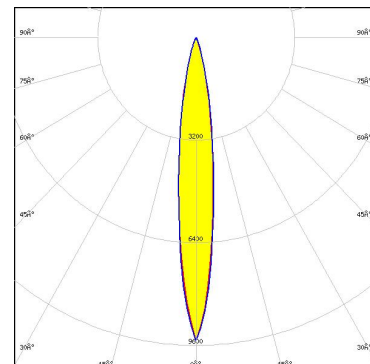


LED V8 Gen 8-9  
 Ordering code C17776\_AMY-70-S  
 FWHM / FWTM 12.0° / 30.0°  
 Efficiency 96 %  
 Peak intensity 11.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



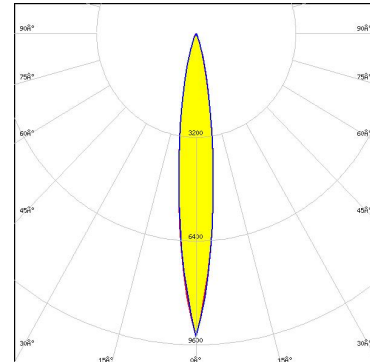
LED V8 Gen7  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 91 %  
 Peak intensity 9.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



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

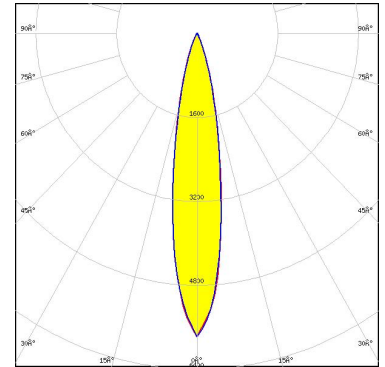


Light distribution files

### OPTICAL RESULTS (SIMULATED):



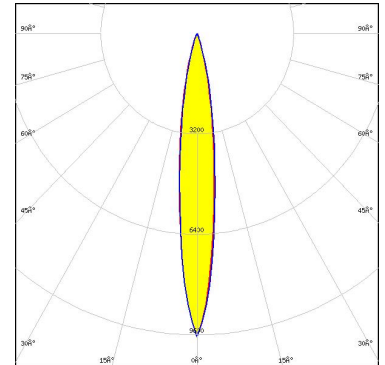
LED VERO13  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 18.0° / 40.0°  
 Efficiency 89 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



Light distribution files



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

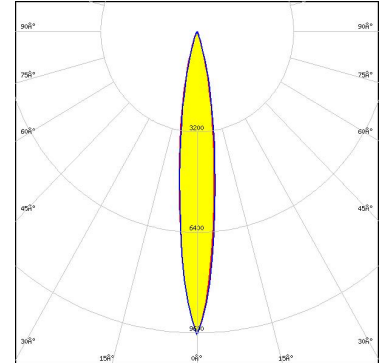


Light distribution files

Bender Wirth: 652b Hekla



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:



Light distribution files

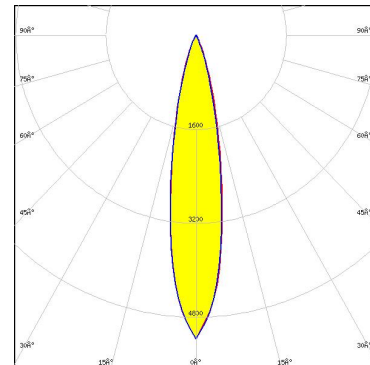
Bender Wirth: 652b Hekla



### OPTICAL RESULTS (SIMULATED):



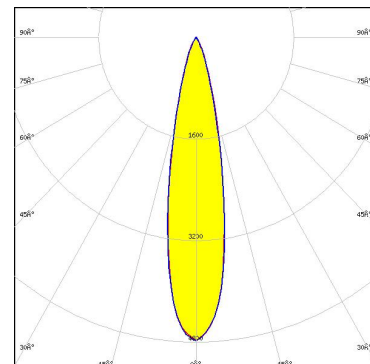
LED Vesta SE 13mm TW  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 20.0° / 41.0°  
 Efficiency 87 %  
 Peak intensity 5.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



Light distribution files

### CITIZEN

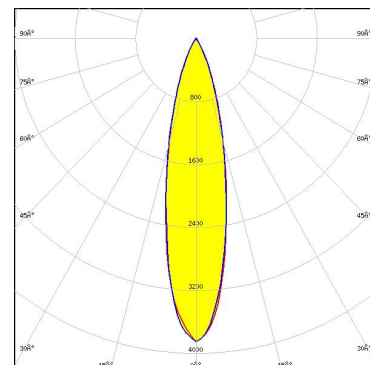
LED CLL03x/CLU03x  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 22.0° / 42.0°  
 Efficiency 89 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

### CITIZEN

LED 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



### OPTICAL RESULTS (SIMULATED):

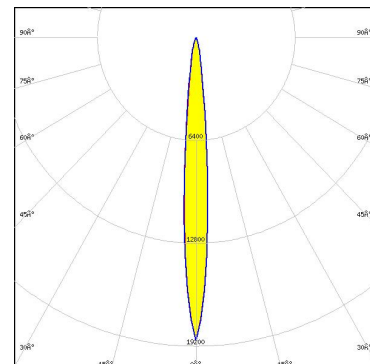
#### CITIZEN

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

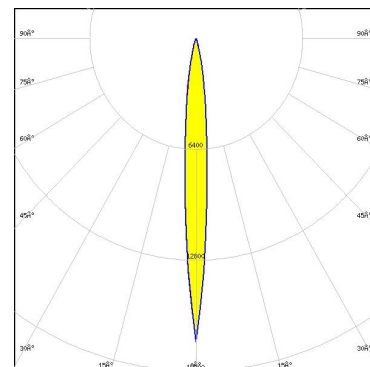
LED CLU700/701/702/703  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 93 %  
 Peak intensity 18.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files



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

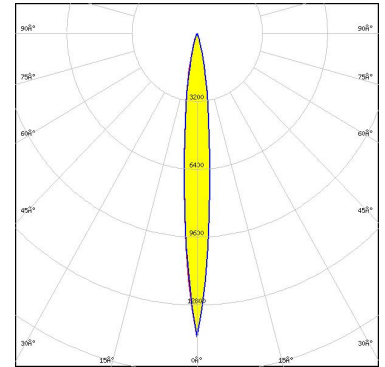


Light distribution files

### OPTICAL RESULTS (SIMULATED):



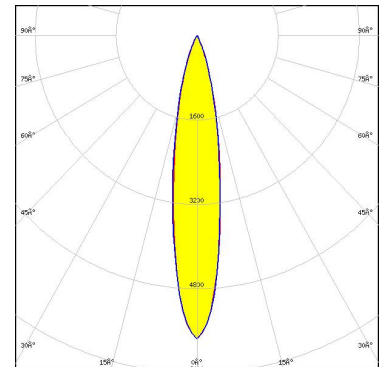
LED: CHA0612  
 Ordering code: CP19037\_AMY-70-S-C2  
 FWHM / FWTM: 10.0° / 26.0°  
 Efficiency: 93 %  
 Peak intensity: 14.3 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



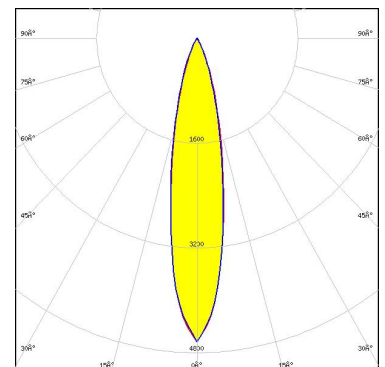
LED: CMA1825  
 Ordering code: CP19037\_AMY-70-S-C2  
 FWHM / FWTM: 18.0° / 41.0°  
 Efficiency: 90 %  
 Peak intensity: 5.8 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:  
 F15254\_HEKLA-SOCKET-B



Light distribution files



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:



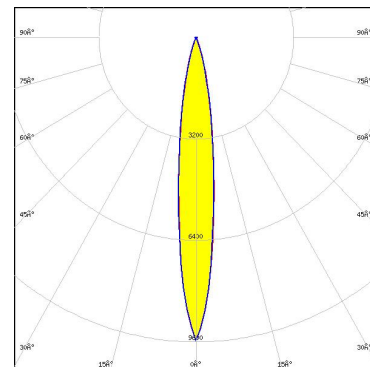
Light distribution files

Bender Wirth: 637a Hekla

### OPTICAL RESULTS (SIMULATED):



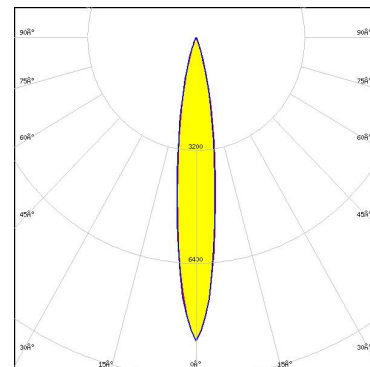
LED CMT14xx  
Ordering code C17776\_AMY-70-S  
FWHM / FWTM 14.0° / 32.0°  
Efficiency 96 %  
Peak intensity 9.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



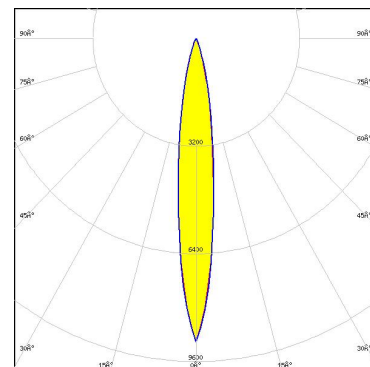
LED CMT14xx  
Ordering code CP19037\_AMY-70-S-C2  
FWHM / FWTM 15.0° / 34.0°  
Efficiency 91 %  
Peak intensity 8.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C



Light distribution files



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



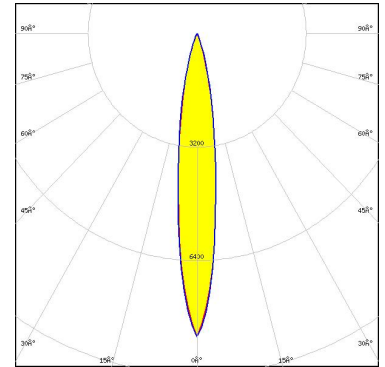
Light distribution files

BJB: 47.360.1020

### OPTICAL RESULTS (SIMULATED):



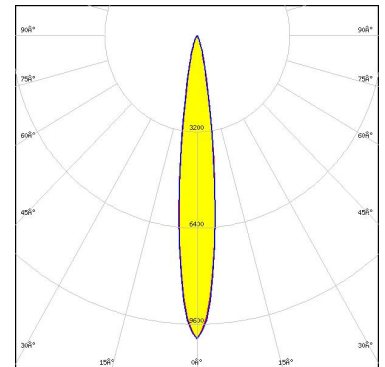
LED CMU10xx  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 34.0°  
 Efficiency 91 %  
 Peak intensity 8.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



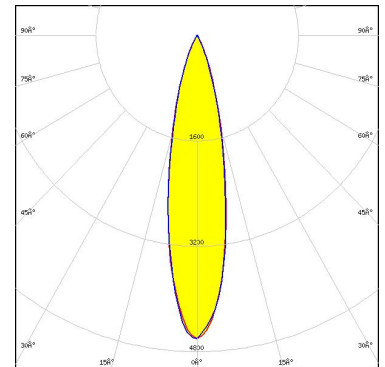
LED CXA/B 15xx  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 29.0°  
 Efficiency 91 %  
 Peak intensity 10.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



Light distribution files



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:



Light distribution files

Bender Wirth: 637a Hekla

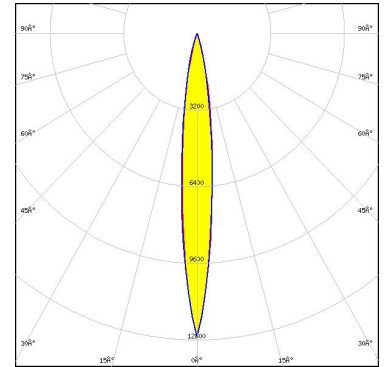
### OPTICAL RESULTS (SIMULATED):



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:

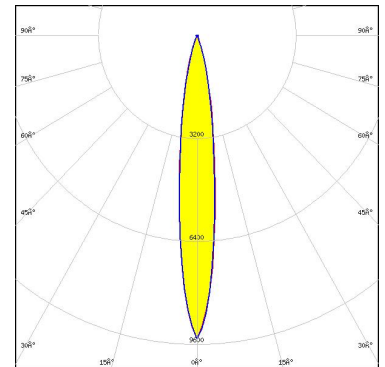
Bender Wirth: 634c Bayonet35L

Light distribution files



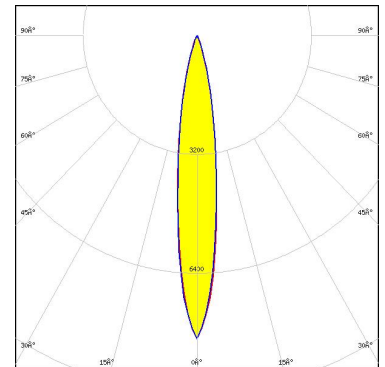
LED LUXEON CX Plus CoB - HD S04H9  
 Ordering code C17776\_AMY-70-S  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 96 %  
 Peak intensity 9.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



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

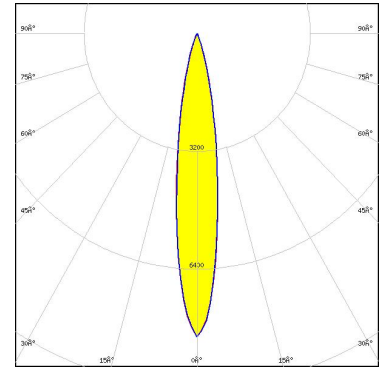


### OPTICAL RESULTS (SIMULATED):



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

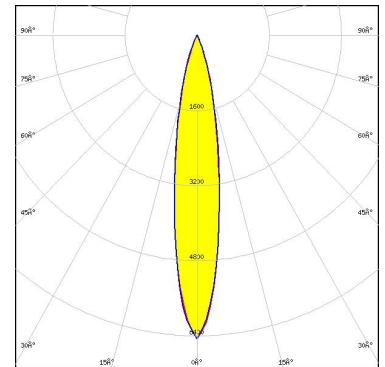


Light distribution files



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

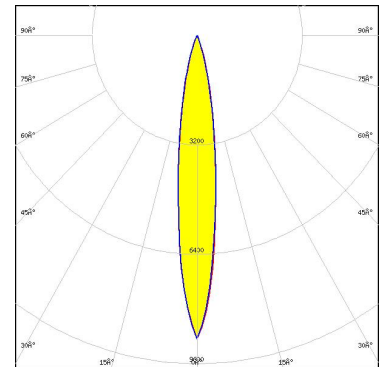


Light distribution files



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

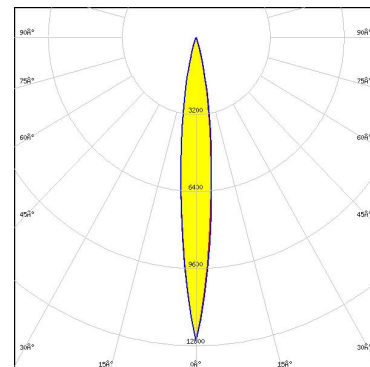


Light distribution files

### OPTICAL RESULTS (SIMULATED):



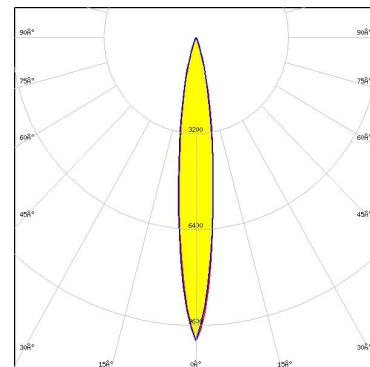
LED LUXEON CX Plus CoB S01 (Gen2)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 12.0° / 29.0°  
 Efficiency 94 %  
 Peak intensity 12.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



Light distribution files



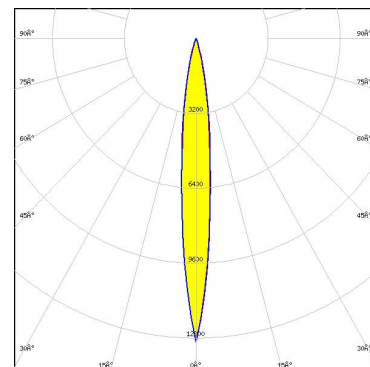
LED CHM-9 XH (19x19)  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 94 %  
 Peak intensity 10.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files



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



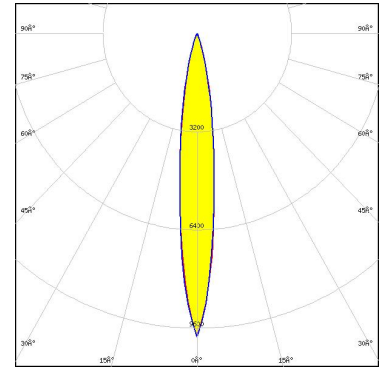
Light distribution files

Bender Wirth: 495 Typ L8

### OPTICAL RESULTS (SIMULATED):



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/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

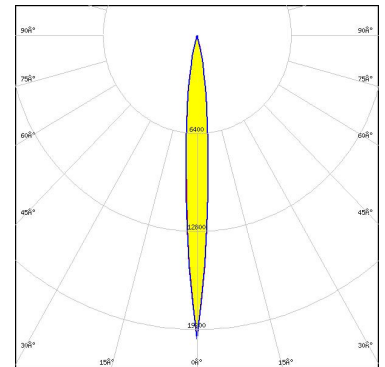


Light distribution files

Bender Wirth: 495 Typ L8



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

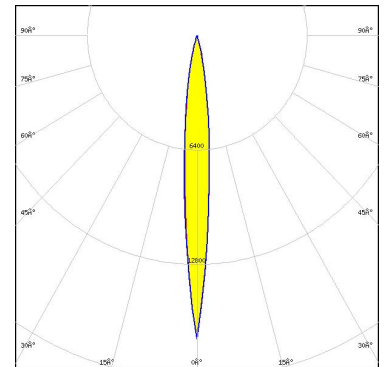


Light distribution files

Bender Wirth: 634a Bayonet35L



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:



Light distribution files

Bender Wirth: 634a Bayonet35L

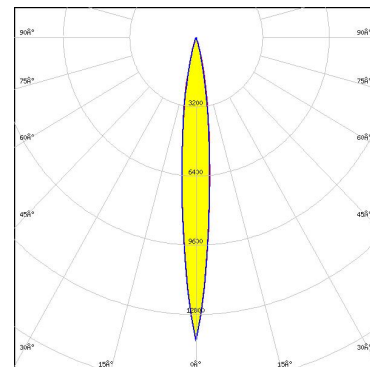


### OPTICAL RESULTS (SIMULATED):



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

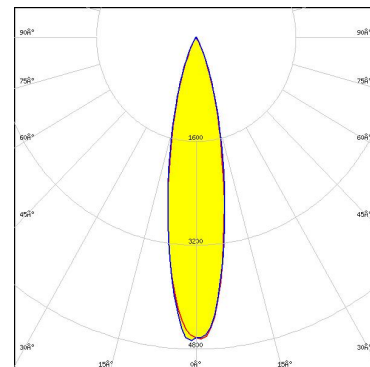


Light distribution files



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:

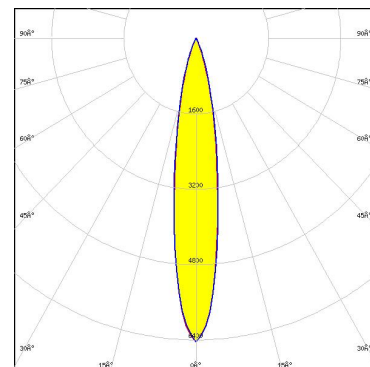
Bender Wirth: 663a Hekla XL



Light distribution files



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

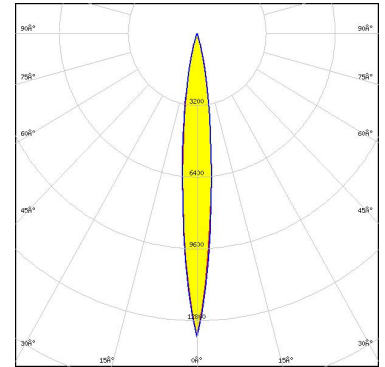


Light distribution files

### OPTICAL RESULTS (SIMULATED):



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:

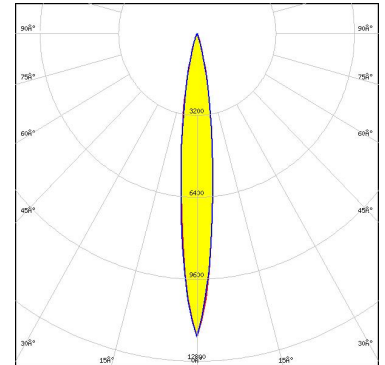


Bender Wirth: 652a Bayonet35L

Light distribution files



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:

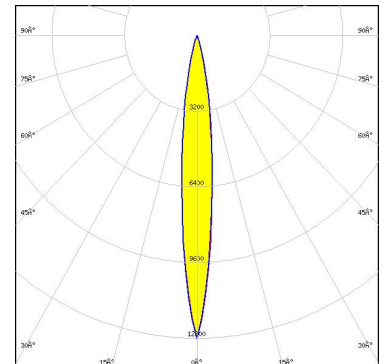


Bender Wirth: 652a Bayonet35L

Light distribution files



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:



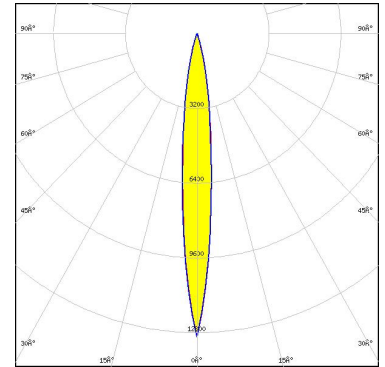
Bender Wirth: 652a Bayonet35L

Light distribution files

### 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

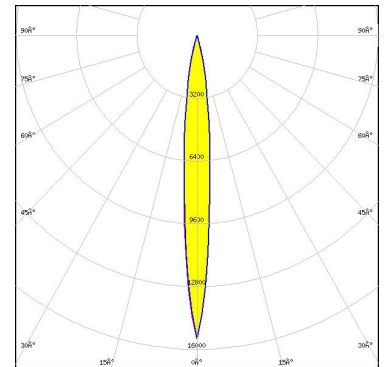


Light distribution files

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

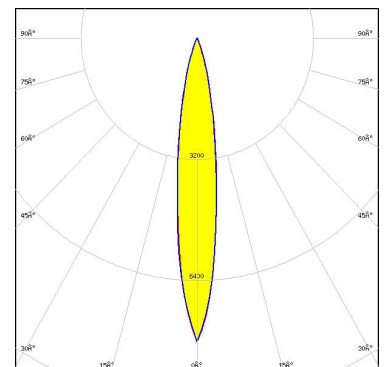


Light distribution files

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

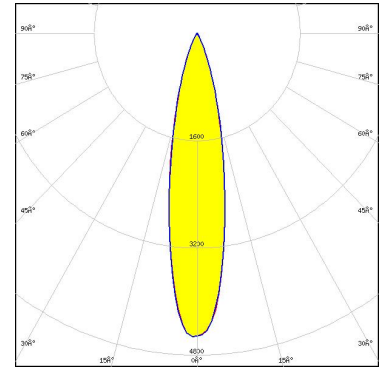
Bender Wirth: 498 Typ L8 HV

### OPTICAL RESULTS (SIMULATED):

#### PHILIPS

|                      |                     |
|----------------------|---------------------|
| LED                  | Fortimo SLM 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: |                     |

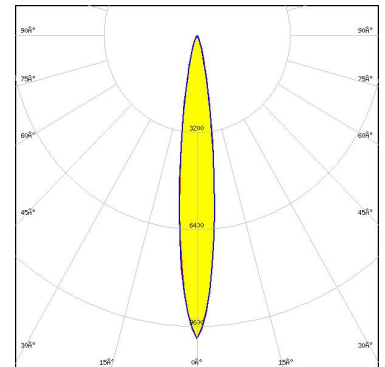
Bender Wirth: 632a Hekla XL



Light distribution files

#### 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             |

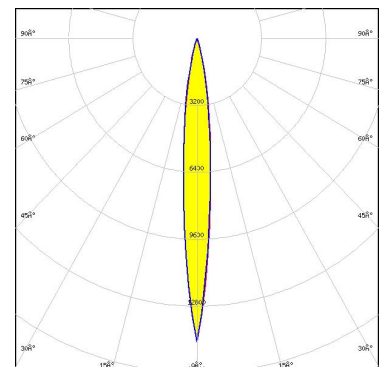


Light distribution files

#### 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

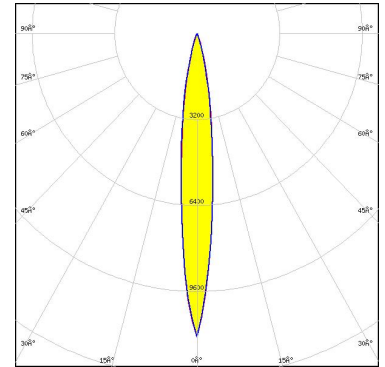


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### 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

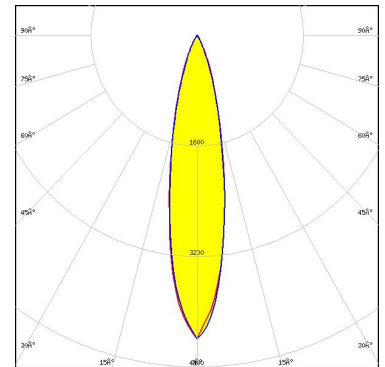


Light distribution files

Bender Wirth: 501 Typ L8

#### 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:

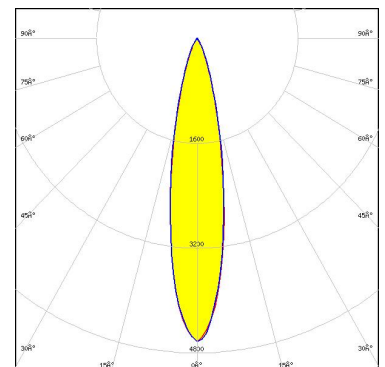


Light distribution files

BJB: 47.360.1010

#### 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

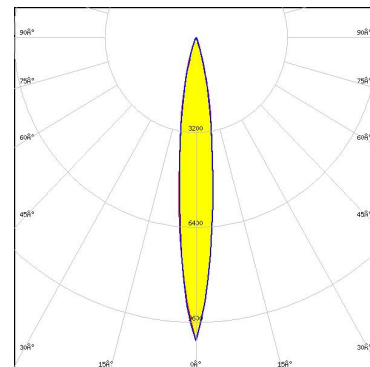
### OPTICAL RESULTS (SIMULATED):

#### 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:

BJB: 47.360.1010

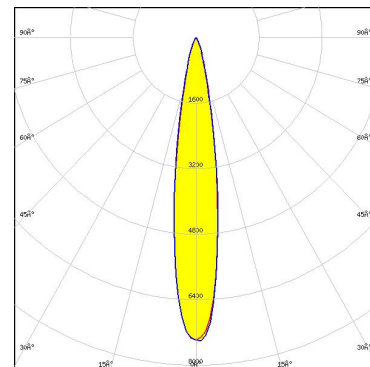
Light distribution files



#### 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

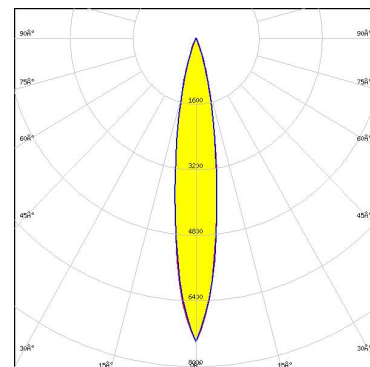
Light distribution files



#### 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



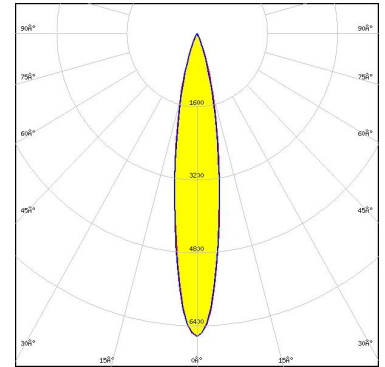
Bender Wirth: 501 Typ L8

### OPTICAL RESULTS (SIMULATED):

#### 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:

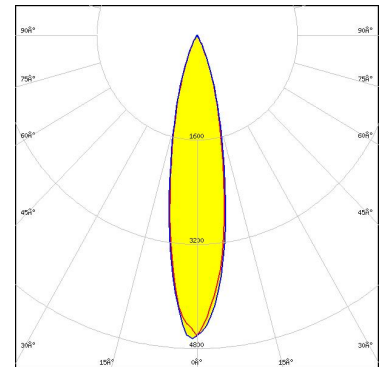
BJB: 47.360.1010



Light distribution files



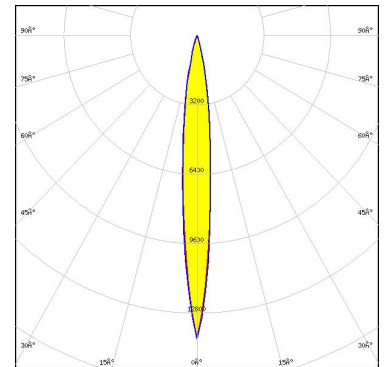
LED MJT COB LES 14.5  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 22.0° / 46.0°  
 Efficiency 93 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files



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

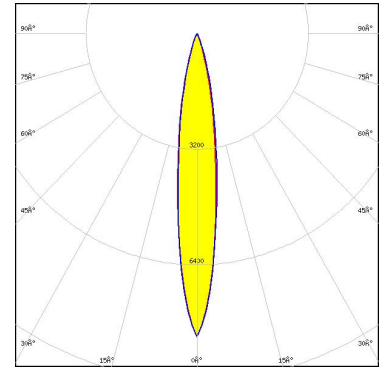


Light distribution files

### OPTICAL RESULTS (SIMULATED):



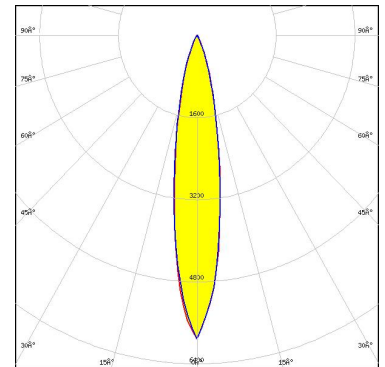
LED MJT COB LES 9.8  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 16.0° / 35.0°  
 Efficiency 94 %  
 Peak intensity 8.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

### TRIDONIC

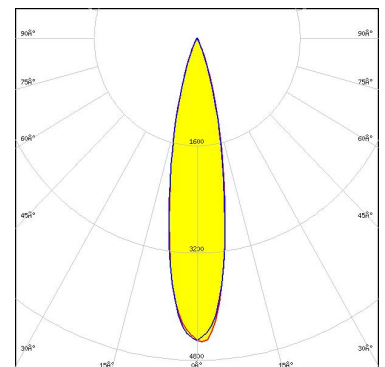
LED SLE G7 LES13  
 Ordering code CP19037\_AMY-70-S-C2  
 FWHM / FWTM 18.0° / 40.0°  
 Efficiency 92 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files

### XICATO

LED XOB 14.5 mm  
 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.

### 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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