

## AMY-35-O

~20 + 50° oval beam

### SPECIFICATION:

Dimensions	Ø 35.0 mm
Height	8.5 mm
Fastening	socket
ROHS compliant	yes ⓘ

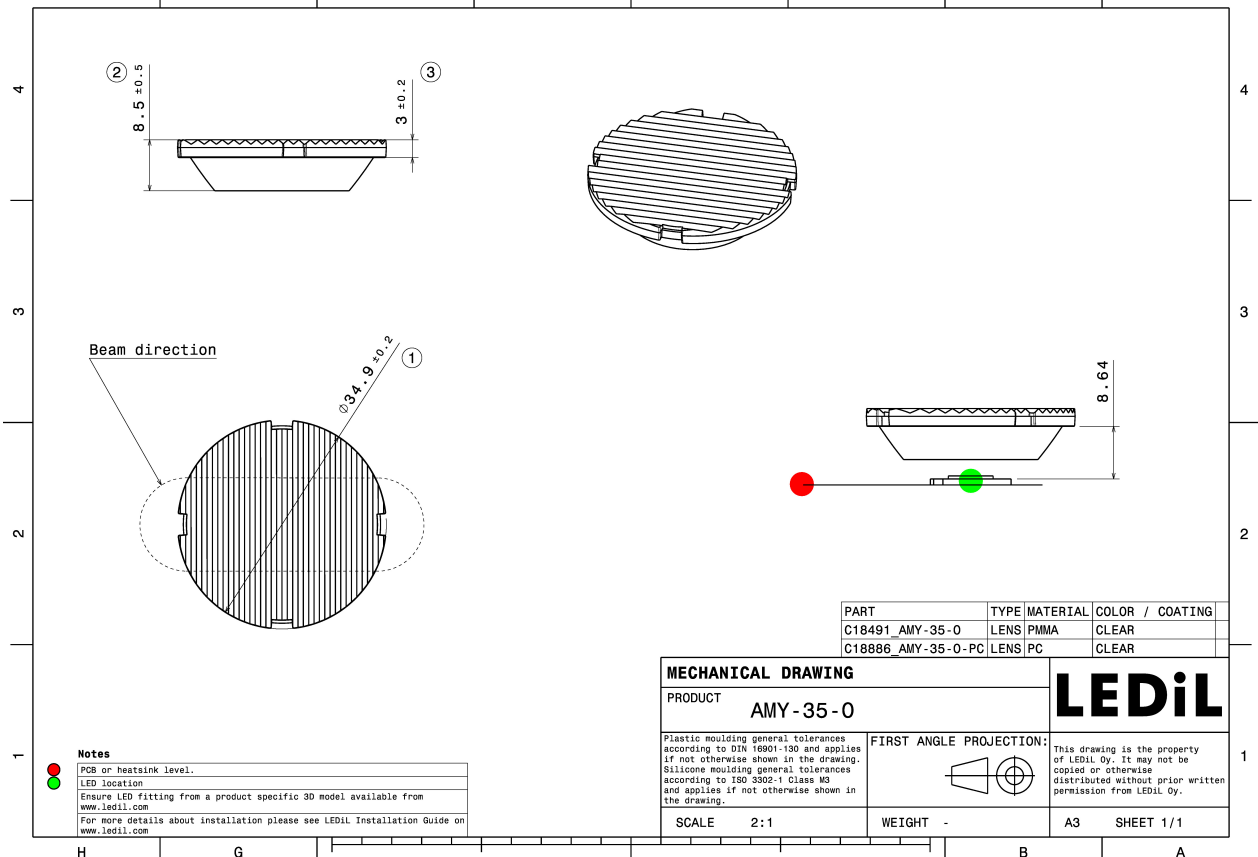
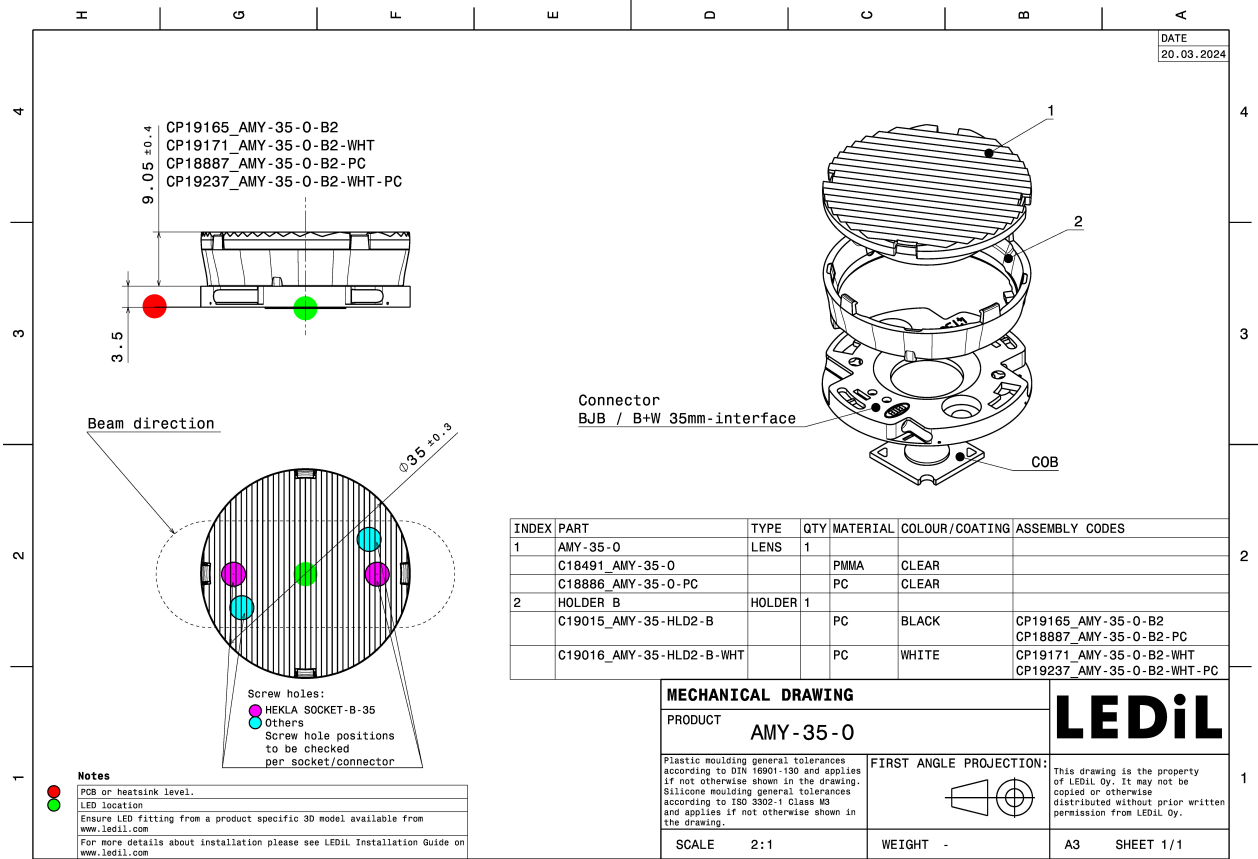
### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-35-O	Single lens	PMMA			
AMY-35-HLD2-B	Holder B	PC	black		
AMY-35-HLD2-B-WHT	Holder B	PC	white		



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18491_AMY-35-O	1650	132	66	10.0
<b>Assembly</b>				
CP19171_AMY-35-O-B2-WHT	1320	132	66	9.8
CP19165_AMY-35-O-B2	1320	132	66	9.8

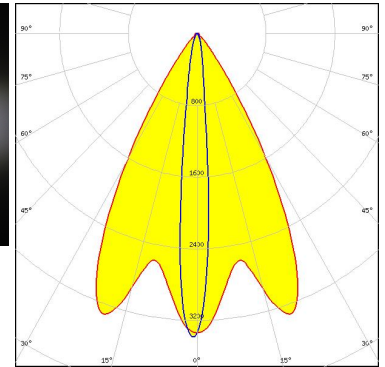


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

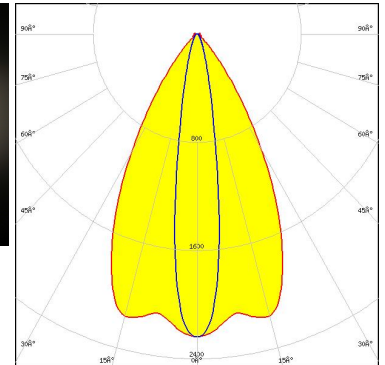
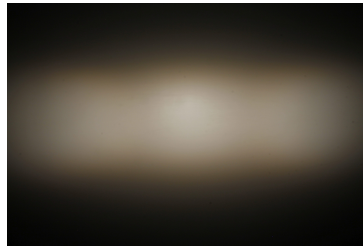
LED CLU7L3  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 60.0 + 10.0° / 79.0 + 25.0°  
Efficiency 88 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19425\_SOCKET-B-35-N



Light distribution files

#### CITIZEN

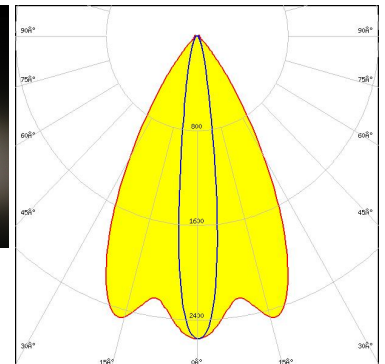
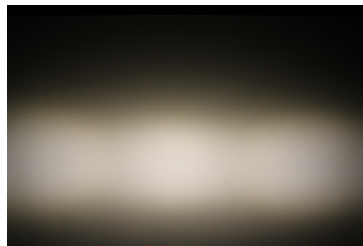
LED CLU7R3  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 58.0 + 17.0° / 84.0 + 36.0°  
Efficiency 88 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19424\_SOCKET-B-35-M



Light distribution files

#### CITIZEN

LED CLU7S3  
Ordering code CP18496\_AMY-35-O-B  
FWHM / FWTM 59.0 + 15.0° / 83.0 + 32.0°  
Efficiency 88 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19425\_SOCKET-B-35-N



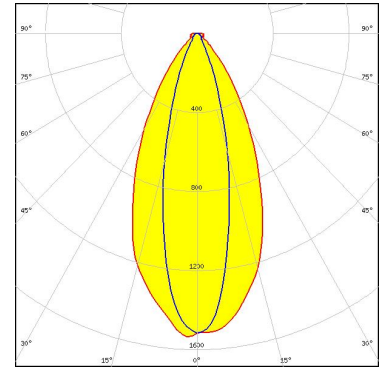
Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED V10 Gen 8-9  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 50.0 + 26.0° / 88.0 + 54.0°  
Efficiency 83 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

BJB: 47.360.1020

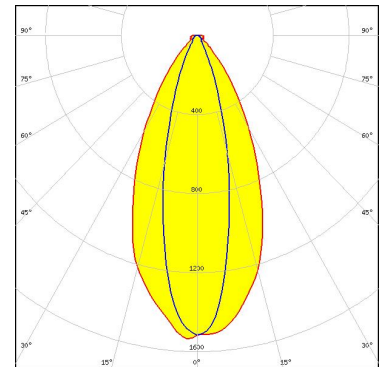


Light distribution files



LED V10 Gen 8-9  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 48.0 + 26.0° / 88.0 + 53.0°  
Efficiency 86 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

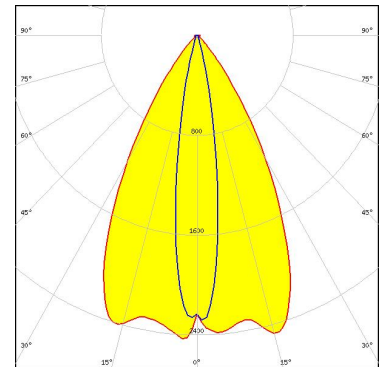
Bender Wirth: 634b Bayonet35L



Light distribution files



LED V4 HD Gen 7  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 58.0 + 17.0° / 82.0 + 32.0°  
Efficiency 88 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

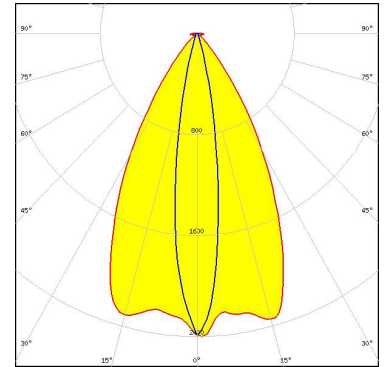


Light distribution files

### OPTICAL RESULTS (SIMULATED):



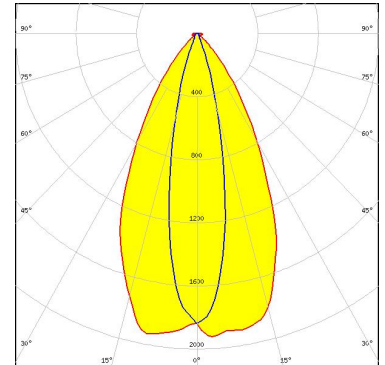
**LED** V4 HD Gen 7  
**Ordering code** C18491\_AMY-35-O  
**FWHM / FWTM** 58.0 + 17.0° / 84.0 + 32.0°  
**Efficiency** 90 %  
**Peak intensity** 2.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** V6 HD Gen 8  
**Ordering code** CP19165\_AMY-35-O-B2  
**FWHM / FWTM** 58.0 + 16.0° / 84.0 + 30.0°  
**Efficiency** 91 %  
**Peak intensity** 2.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

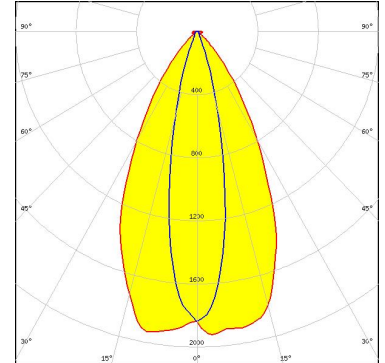


Bender Wirth: 634c Bayonet35L

Light distribution files



**LED** V6 HD Gen 8  
**Ordering code** CP19165\_AMY-35-O-B2  
**FWHM / FWTM** 54.0 + 22.0° / 86.0 + 42.0°  
**Efficiency** 89 %  
**Peak intensity** 2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



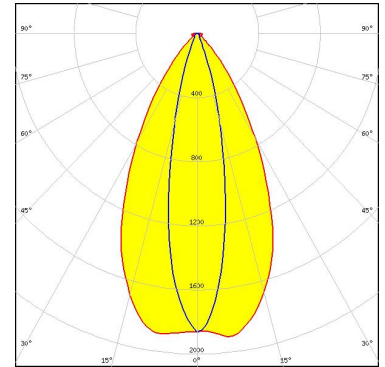
Bender Wirth: 634c Bayonet35L

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED Vesta DTW 6mm  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 54.0 + 22.0° / 86.0 + 42.0°  
Efficiency 89 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

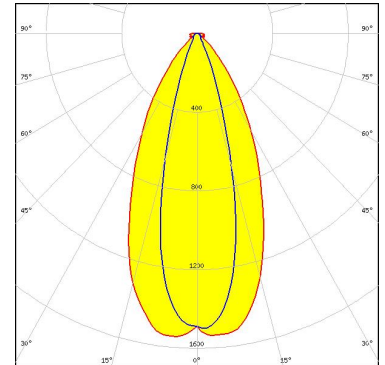


Bender Wirth: 652b Bayonet35L

Light distribution files



LED Vesta DTW 9mm (4W/6W/12W)  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 50.0 + 29.0° / 90.0 + 49.0°  
Efficiency 87 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

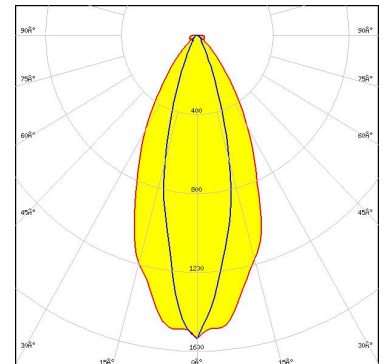


Bender Wirth: 652b Bayonet35L

Light distribution files

## CITIZEN

LED CLL02x/CLU02x (LES10)  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 48.0 + 26.0° / 88.0 + 52.0°  
Efficiency 80 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C18968\_SOCKET-B-35-C

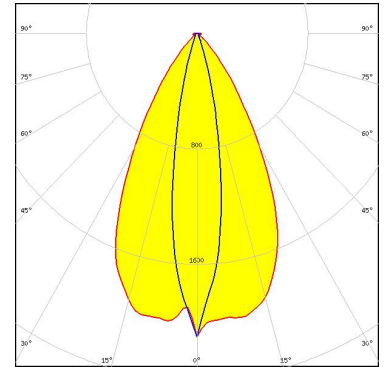


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU700/701/702/703  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 56.0 + 19.0° / 85.0 + 37.0°  
Efficiency 86 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

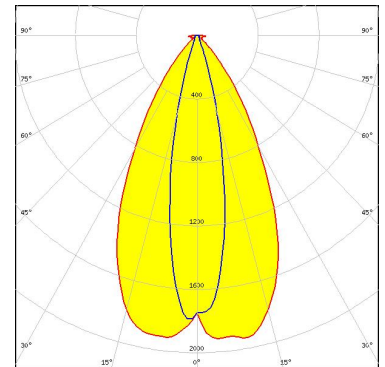


BJB: 47.360.1020

Light distribution files

#### CITIZEN

LED CLU700/701/702/703  
Ordering code C18491\_AMY-35-O  
FWHM / FWTM 56.0 + 22.0° / 86.0 + 40.0°  
Efficiency 90 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

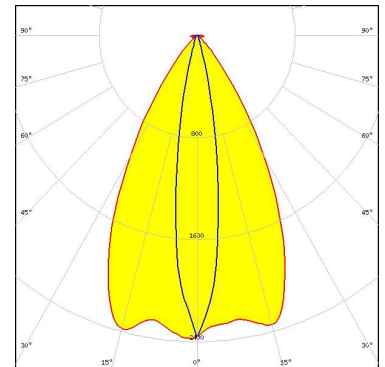


BJB: 47.360.1020

Light distribution files

#### CITIZEN

LED CLU7A2/7A3  
Ordering code C18491\_AMY-35-O  
FWHM / FWTM 58.0 + 16.0° / 84.0 + 32.0°  
Efficiency 90 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



BJB: 47.360.1020

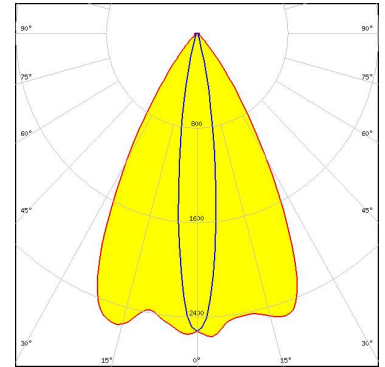
Light distribution files



### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU7A2/7A3  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 60.0 + 14.0° / 82.0 + 30.0°  
Efficiency 87 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

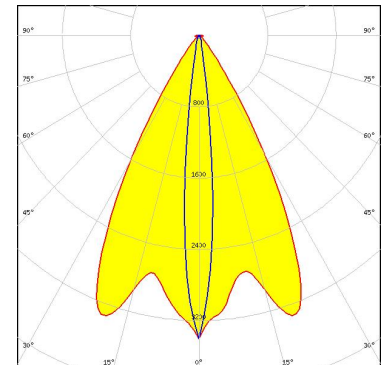


BJB: 47.360.1020

[Light distribution files](#)

#### CITIZEN

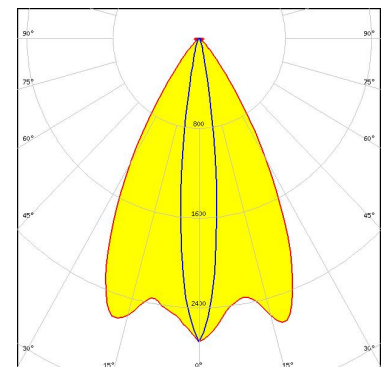
LED CLU7L3  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 58.0 + 11.0° / 76.0 + 21.0°  
Efficiency 87 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19425\_SOCKET-B-35-N



[Light distribution files](#)

#### CITIZEN

LED CLU7S3  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 58.0 + 14.0° / 80.0 + 27.0°  
Efficiency 87 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19425\_SOCKET-B-35-N

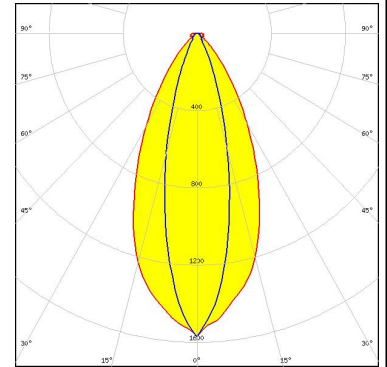


[Light distribution files](#)

### OPTICAL RESULTS (SIMULATED):



**LED** CMU10xx  
**Ordering code** CP19165\_AMY-35-O-B2  
**FWHM / FWTM** 48.0 + 26.0° / 88.0 + 52.0°  
**Efficiency** 83 %  
**Peak intensity** 1.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

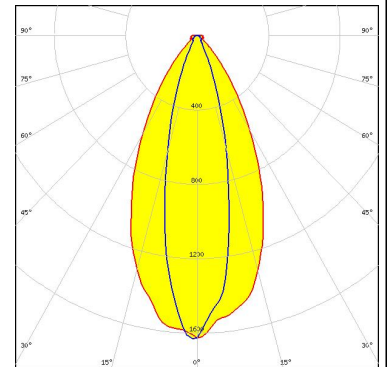


BJB: 47.360.1020

Light distribution files



**LED** LUXEON CoB 1202/1203  
**Ordering code** CP19165\_AMY-35-O-B2  
**FWHM / FWTM** 51.0 + 26.0° / 88.0 + 50.0°  
**Efficiency** 85 %  
**Peak intensity** 1.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

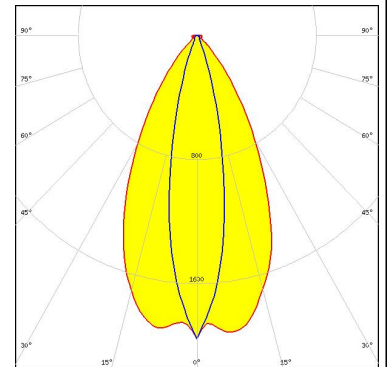


BJB: 47.360.1110

Light distribution files



**LED** LUXEON CoB 1202HD  
**Ordering code** CP19165\_AMY-35-O-B2  
**FWHM / FWTM** 54.0 + 22.0° / 86.0 + 42.0°  
**Efficiency** 89 %  
**Peak intensity** 2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



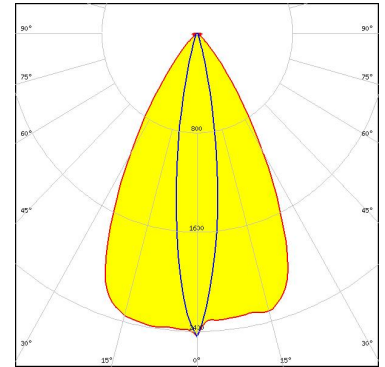
Bender Wirth: 652a Bayonet35L

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED LUXEON CX Plus CoB - HD S01H4  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 58.0 + 16.0° / 84.0 + 32.0°  
Efficiency 90 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

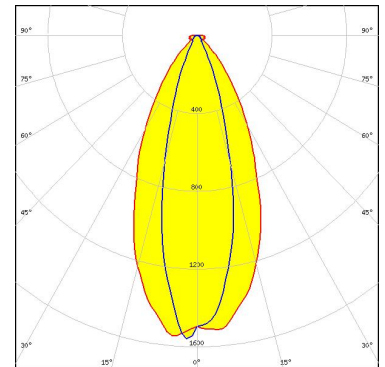


Bender Wirth: 634c Bayonet35L

Light distribution files



LED LUXEON CX Plus CoB - HD S04H9  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 48.0 + 28.0° / 89.0 + 53.0°  
Efficiency 86 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

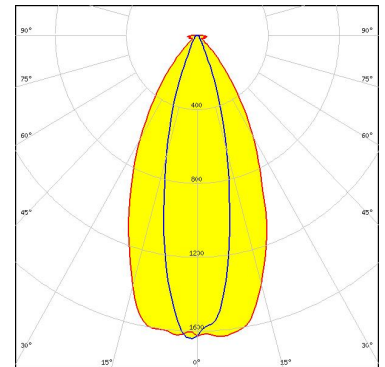


Bender Wirth: 634a Bayonet35L

Light distribution files



LED CTM-6 (Tunable White) Gen2  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 52.0 + 26.0° / 88.0 + 49.0°  
Efficiency 88 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type Tunable White  
Required components:



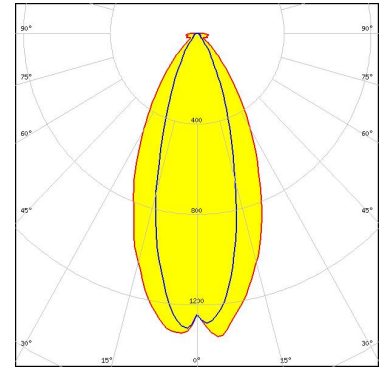
Bender Wirth: 495 Typ B35L

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED CTM-9 (Tunable White) Gen2  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 50.0 + 31.0° / 90.0 + 64.0°  
Efficiency 84 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type Tunable White  
Required components:

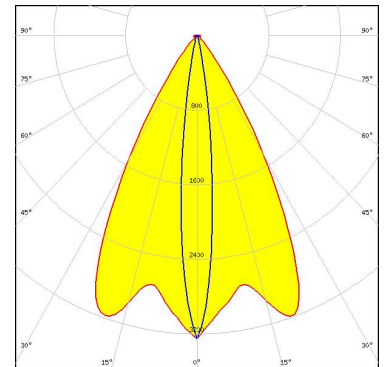


Bender Wirth: 495 Typ B35L

Light distribution files



LED CXM-3  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 58.0 + 12.0° / 78.0 + 24.0°  
Efficiency 91 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

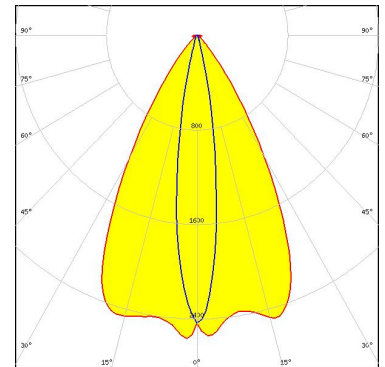


Bender Wirth: 634a Bayonet35L

Light distribution files



LED CXM-4  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 58.0 + 16.0° / 82.0 + 30.0°  
Efficiency 90 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



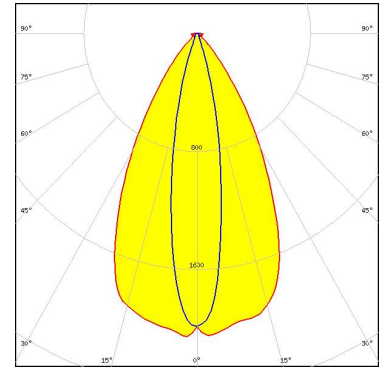
Bender Wirth: 634a Bayonet35L

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED CxM-6 (13.5x13.5)  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 56.0 + 20.0° / 86.0 + 38.0°  
Efficiency 88 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

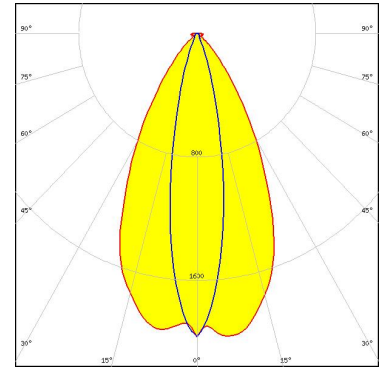


BJB: 47.360.1020

Light distribution files



LED COB S-Type (LES 7)  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 54.0 + 20.0° / 86.0 + 42.0°  
Efficiency 88 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

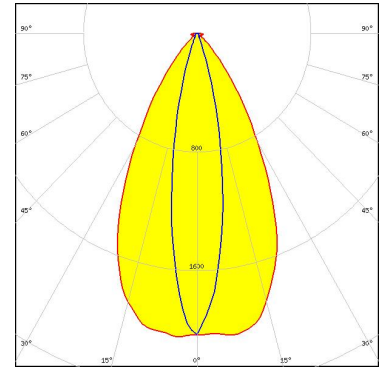


Bender Wirth: 652a Bayonet35L

Light distribution files



LED COB T-Type  
Ordering code CP19165\_AMY-35-O-B2  
FWHM / FWTM 56.0 + 20.0° / 86.0 + 38.0°  
Efficiency 89 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



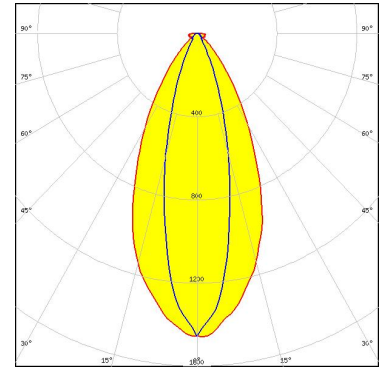
Bender Wirth: 652a Bayonet35L

Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

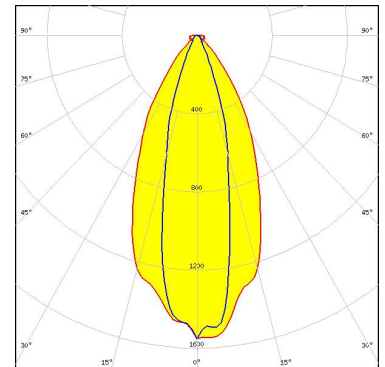
**LED** LC003D / LC006D / LC009D / LC013D  
**Ordering code** CP19165\_AMY-35-O-B2  
**FWHM / FWTM** 50.0 + 26.0° / 88.0 + 54.0°  
**Efficiency** 79 %  
**Peak intensity** 1.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C18968\_SOCKET-B-35-C



Light distribution files

#### SAMSUNG

**LED** LC003D / LC006D / LC009D / LC013D  
**Ordering code** CP19165\_AMY-35-O-B2  
**FWHM / FWTM** 50.0 + 26.0° / 88.0 + 52.0°  
**Efficiency** 85 %  
**Peak intensity** 1.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

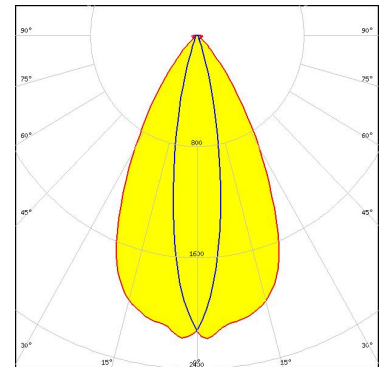


Light distribution files

BJB: 47.360.1020

#### SAMSUNG

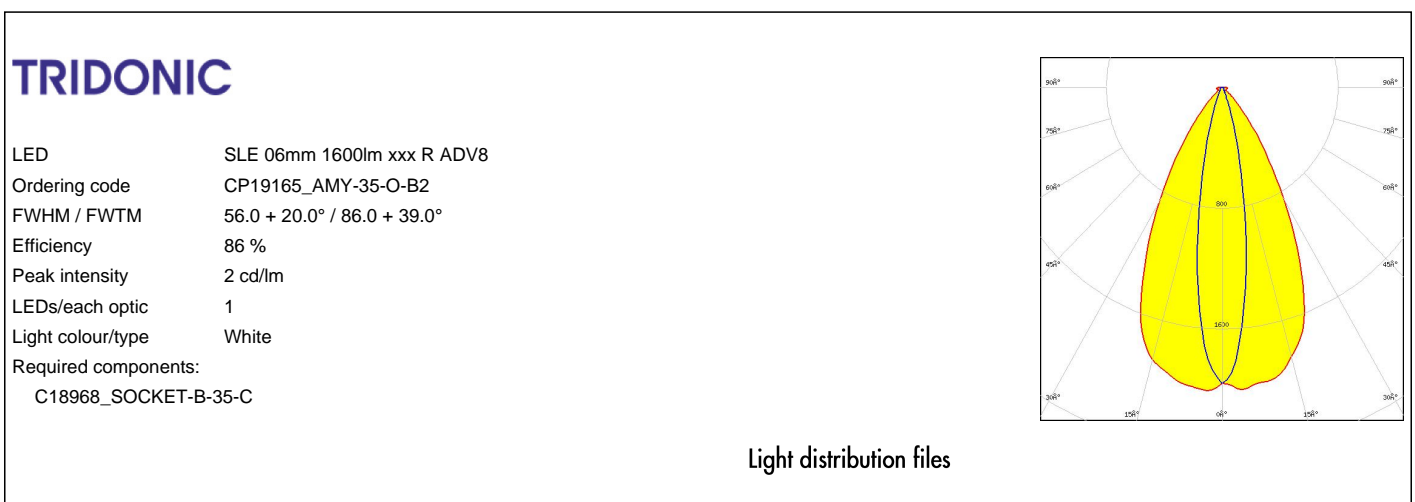
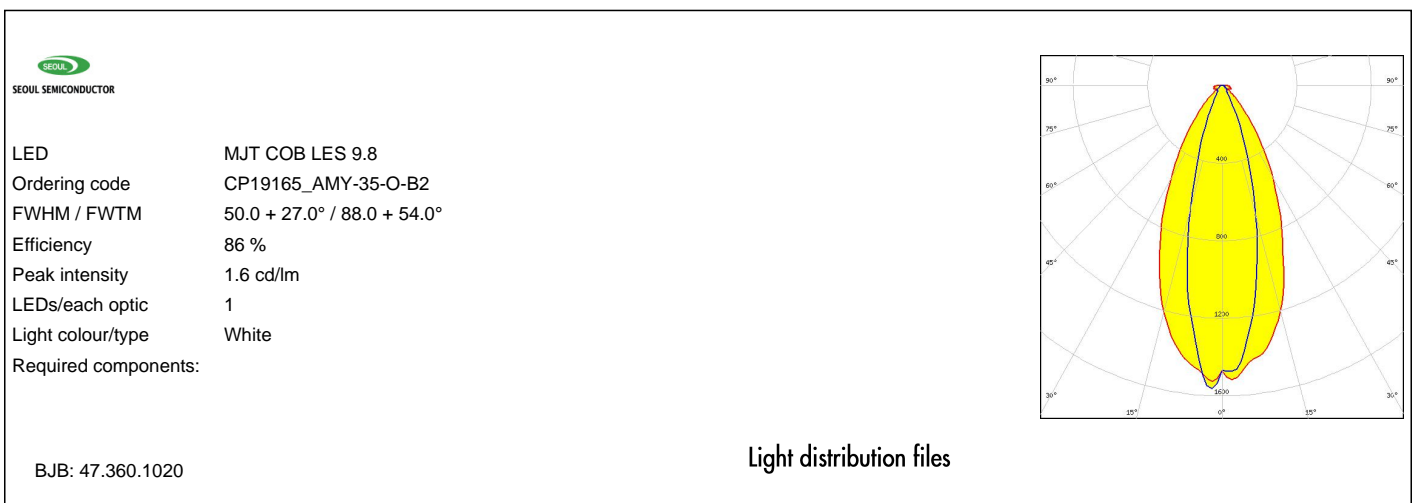
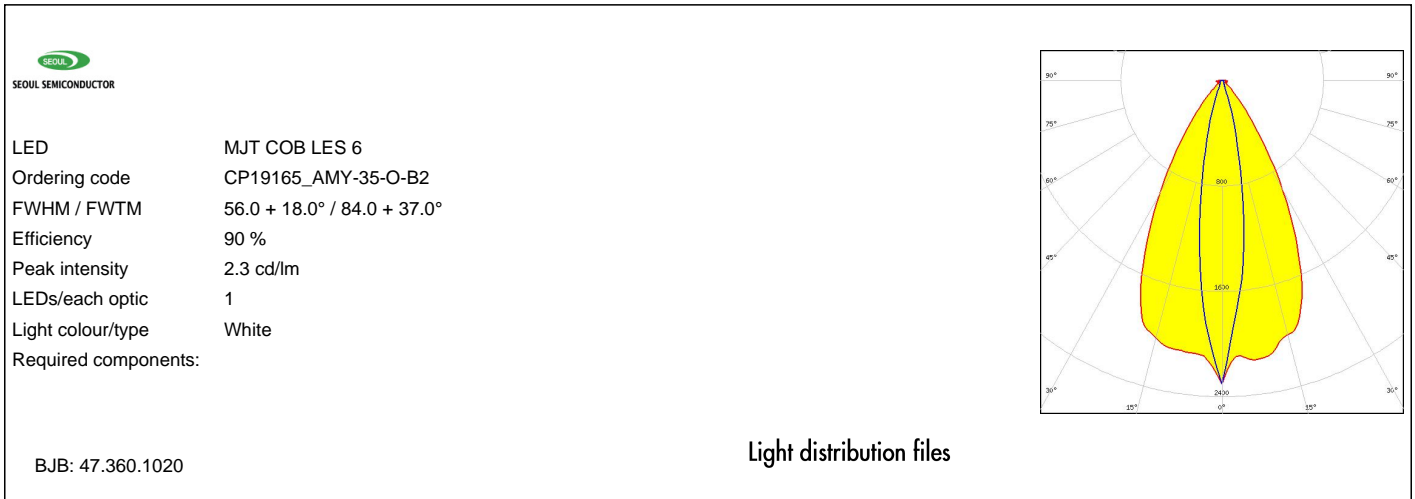
**LED** LC010C G2  
**Ordering code** CP19165\_AMY-35-O-B2  
**FWHM / FWTM** 56.0 + 19.0° / 84.0 + 37.0°  
**Efficiency** 89 %  
**Peak intensity** 2.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files

BJB: 47.360.1020

### OPTICAL RESULTS (SIMULATED):



### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### MATERIALS:

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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