

AMY-35-O

~20 + 50° oval beam

SPECIFICATION:

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

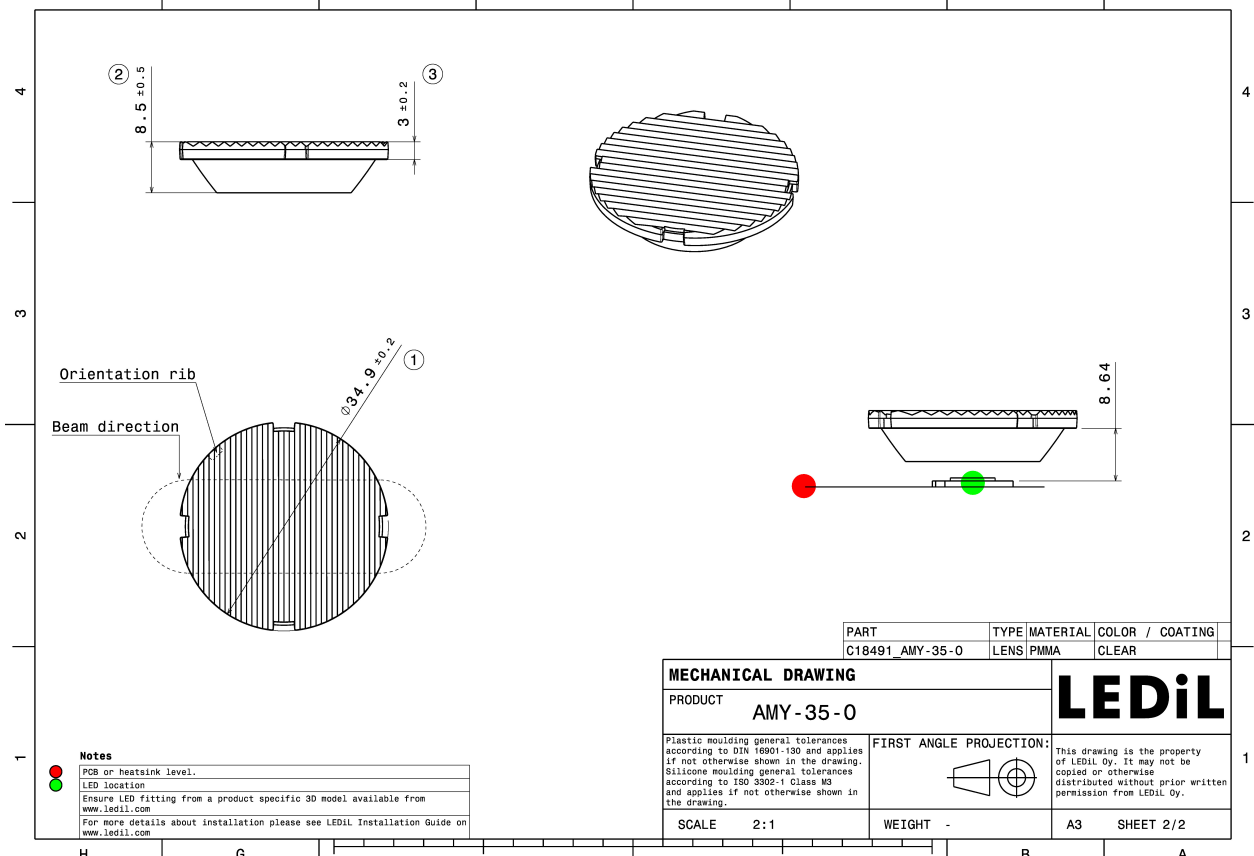
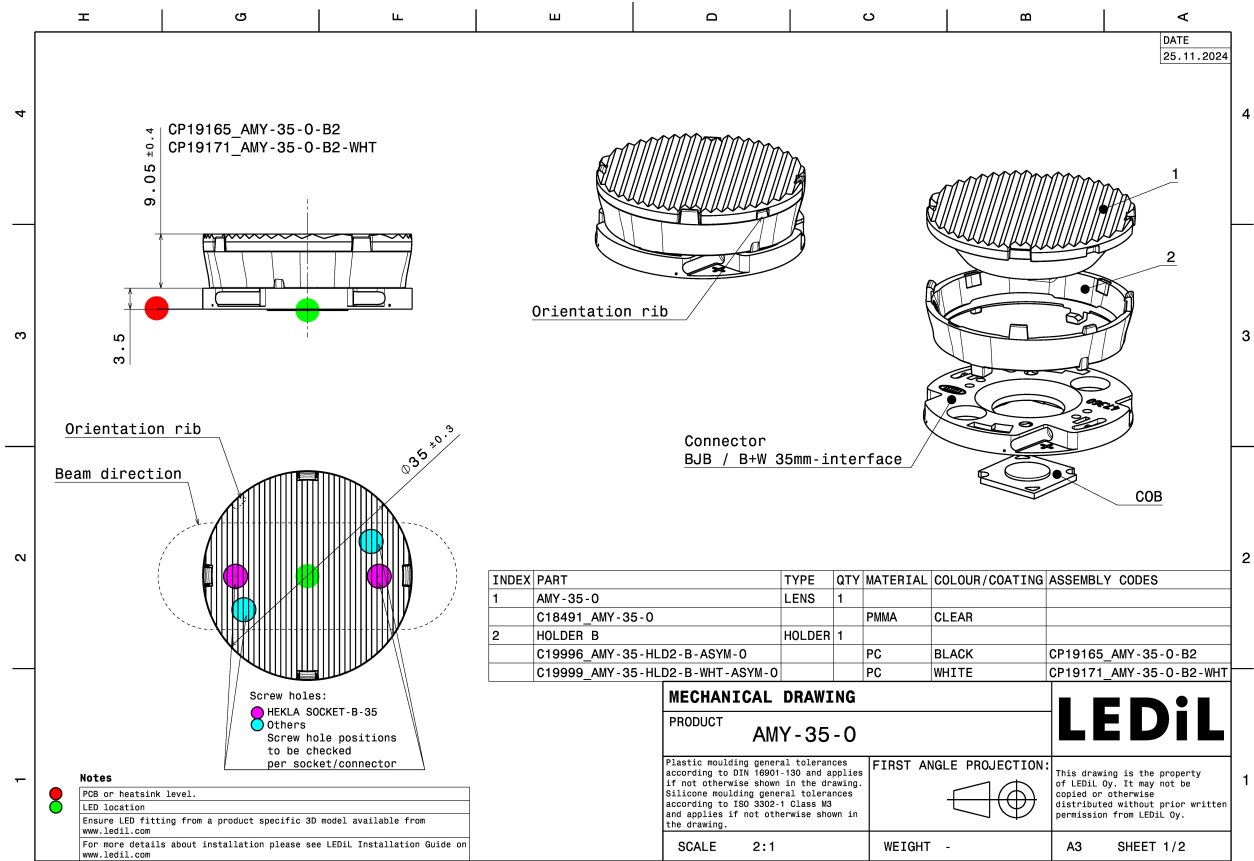
MATERIALS:

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



ORDERING INFORMATION:

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

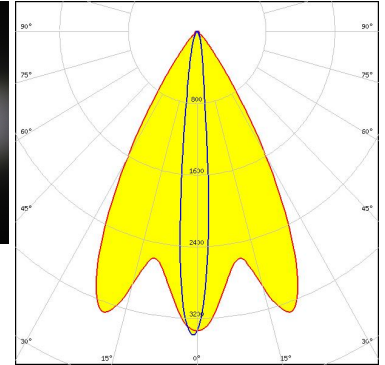


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CITIZEN

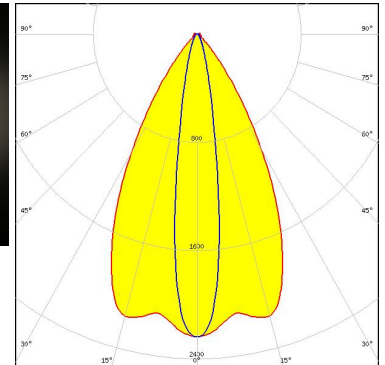
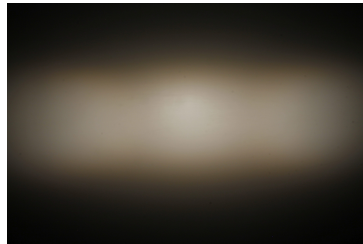
LED CLU7L3
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM 60.0 + 10.0° / 79.0 + 25.0°
 Efficiency 88 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C19425_SOCKET-B-35-N



Light distribution files

CITIZEN

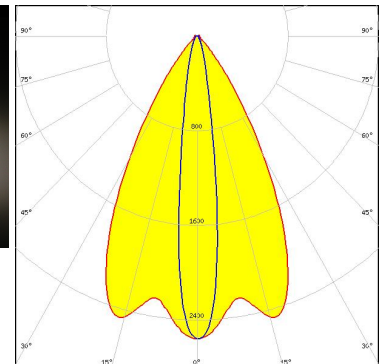
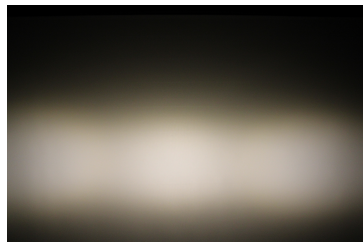
LED CLU7R3
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM 58.0 + 17.0° / 84.0 + 36.0°
 Efficiency 88 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C19424_SOCKET-B-35-M



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

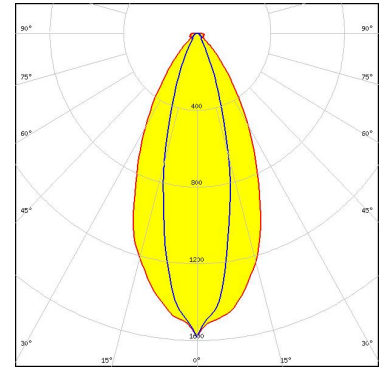
OPTICAL RESULTS (SIMULATED):



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

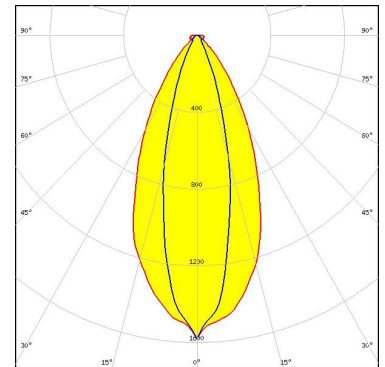
Light distribution files



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:

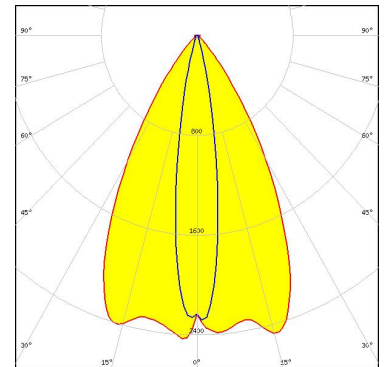
Bender Wirth: 634b Bayonet35L

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:

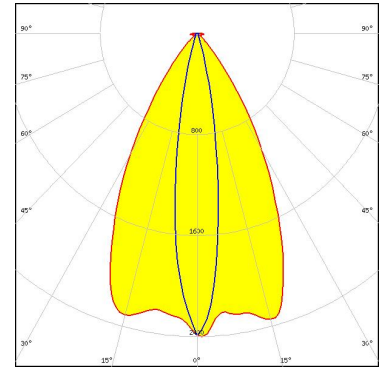
Light distribution files



OPTICAL RESULTS (SIMULATED):



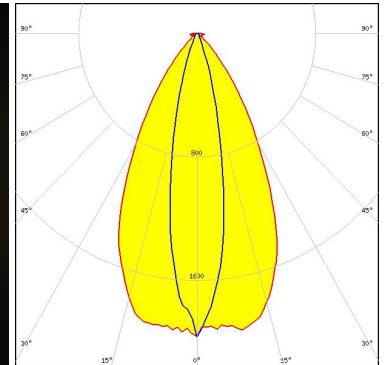
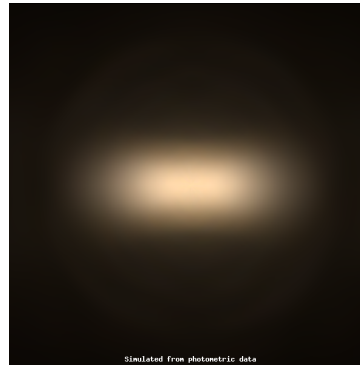
LED V4 HD Gen 7
 Ordering code C18491_AMY-35-O
 FWHM / FWTM 58.0 + 17.0° / 84.0 + 32.0°
 Efficiency 90 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



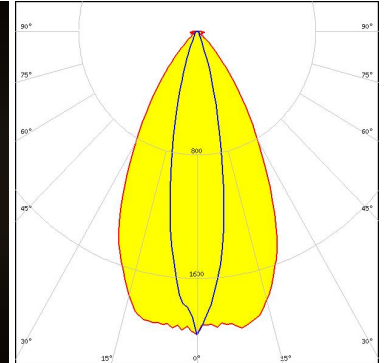
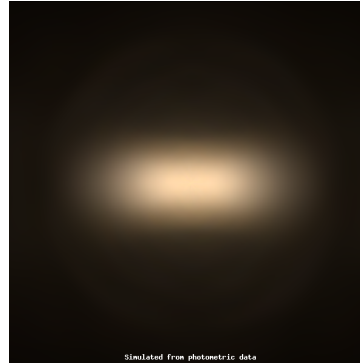
LED V6 HD Gen 8
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM 57.0 + 20.0° / 86.0 + 40.0°
 Efficiency 88 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C18968_SOCKET-B-35-C



Light distribution files



LED V6 HD Gen 8
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM 56.0 + 21.0° / 86.0 + 41.0°
 Efficiency 88 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



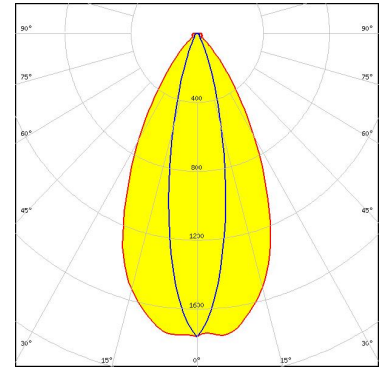
Light distribution files

Bender Wirth: 634c Bayonet35L

OPTICAL RESULTS (SIMULATED):



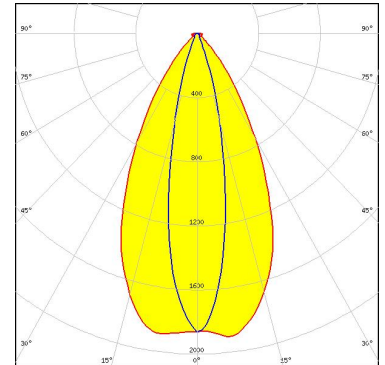
LED V8 Gen 8-9
Ordering code CP19165_AMY-35-O-B2
FWHM / FWTM 54.0 + 22.0° / 86.0 + 45.0°
Efficiency 85 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C19309_SOCKET-B-35-L



Light distribution files



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:

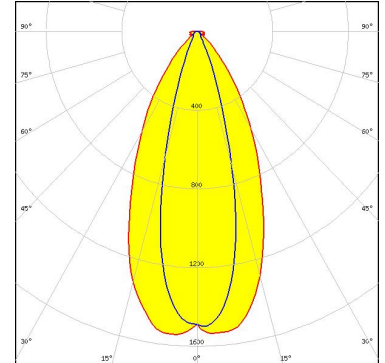


Bender Wirth: 652b Bayonet35L

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:



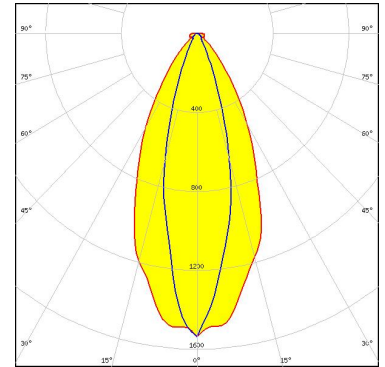
Bender Wirth: 652b Bayonet35L

Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

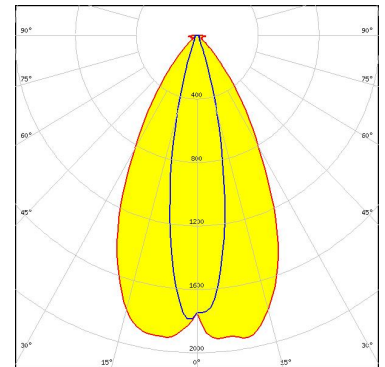
LED CLU02x (LES10)
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM 48.0 + 26.0° / 88.0 + 52.0°
 Efficiency 80 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C18968_SOCKET-B-35-C



Light distribution files

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:

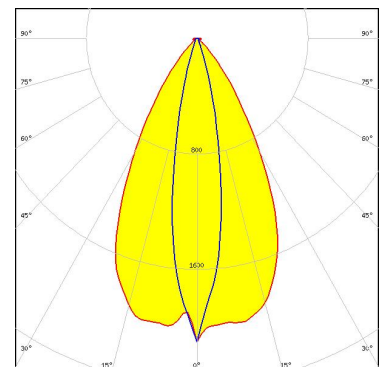


Light distribution files

BJB: 47.360.1020

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:



Light distribution files

BJB: 47.360.1020

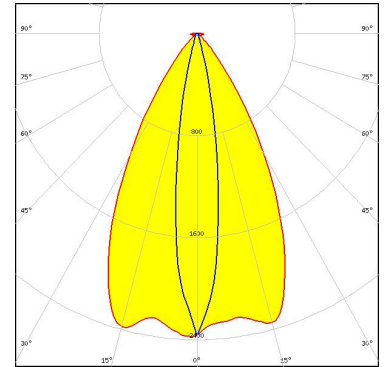
OPTICAL RESULTS (SIMULATED):

CITIZEN

LED CLU7A2/7A3
 Ordering code C18491_AMY-35-O
 FWHM / FWTM $58.0 + 16.0^\circ / 84.0 + 32.0^\circ$
 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

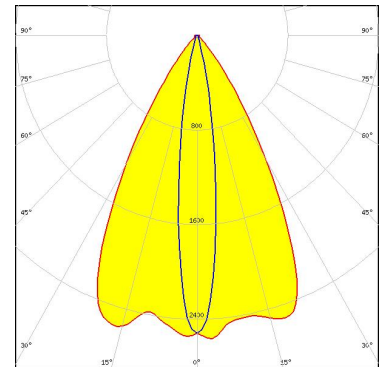


CITIZEN

LED CLU7A2/7A3
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM $60.0 + 14.0^\circ / 82.0 + 30.0^\circ$
 Efficiency 87 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

BJB: 47.360.1020

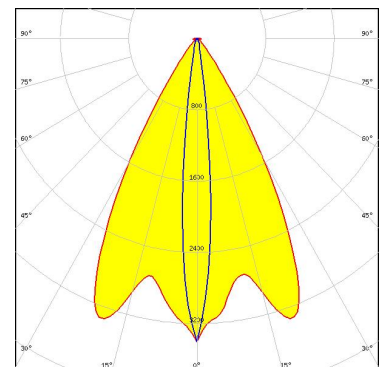
Light distribution files



CITIZEN

LED CLU7L3
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM $58.0 + 11.0^\circ / 76.0 + 21.0^\circ$
 Efficiency 87 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C19425_SOCKET-B-35-N

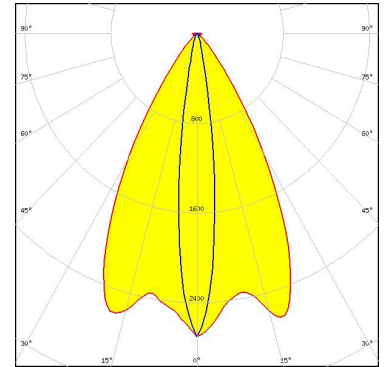
Light distribution files



OPTICAL RESULTS (SIMULATED):

CITIZEN

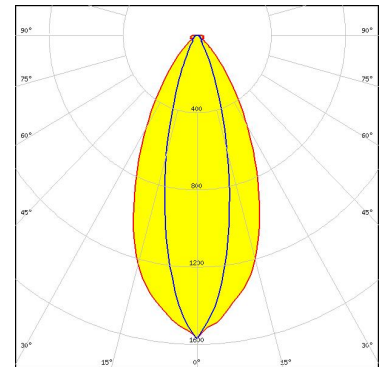
LED CLU7S3
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM 58.0 + 14.0° / 80.0 + 27.0°
 Efficiency 87 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C19425_SOCKET-B-35-N



Light distribution files



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:

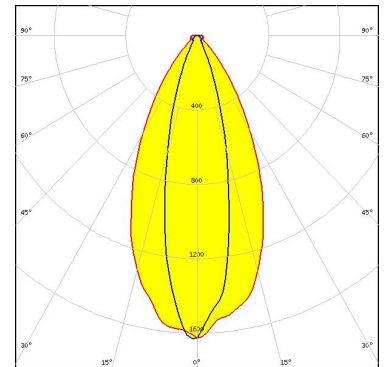


BJB: 47.360.1020

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:



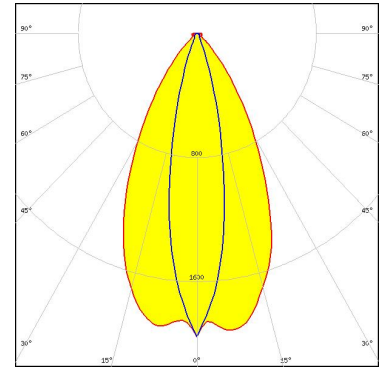
BJB: 47.360.1110

Light distribution files

OPTICAL RESULTS (SIMULATED):



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:

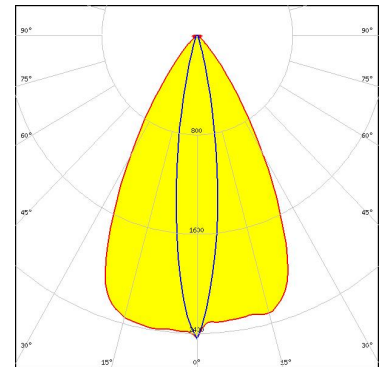


Bender Wirth: 652a Bayonet35L

Light distribution files



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:

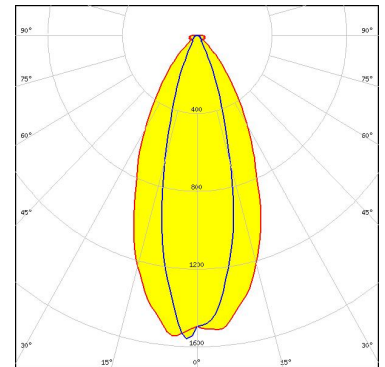


Bender Wirth: 634c Bayonet35L

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:



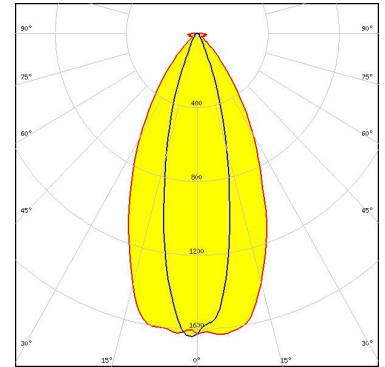
Bender Wirth: 634a Bayonet35L

Light distribution files

OPTICAL RESULTS (SIMULATED):



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:

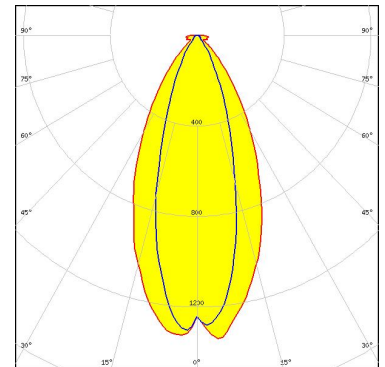


Bender Wirth: 495 Typ B35L

Light distribution files



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:

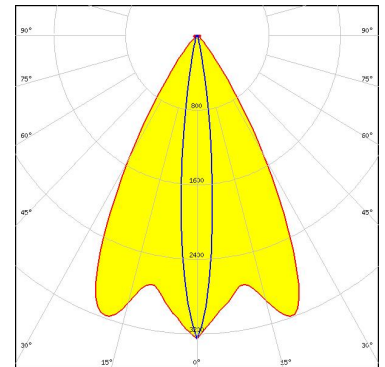


Bender Wirth: 495 Typ B35L

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

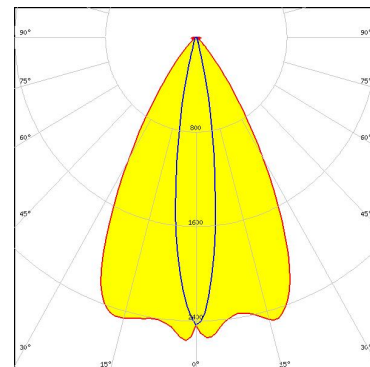
OPTICAL RESULTS (SIMULATED):



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

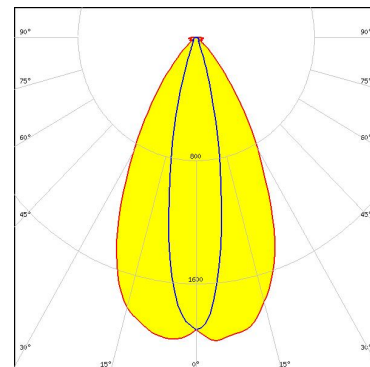
Light distribution files



LED CxM-6 (13.5x13.5)
 Ordering code CP19171_AMY-35-O-B2-WHT
 FWHM / FWTM 56.0 + 21.0° / 86.0 + 40.0°
 Efficiency 90 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Bender Wirth: 634a Bayonet35L

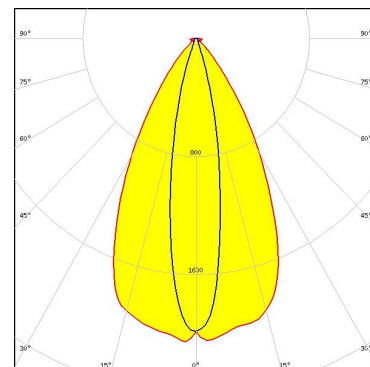
Light distribution files



LED CxM-6 (13.5x13.5)
 Ordering code 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



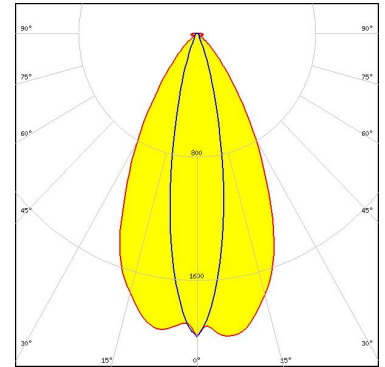
OPTICAL RESULTS (SIMULATED):



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

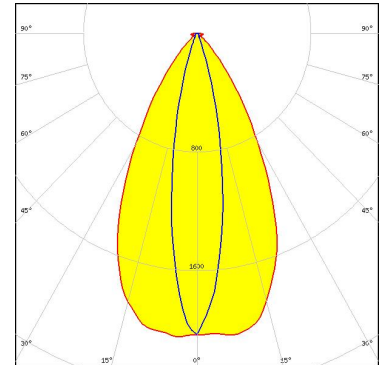
Light distribution files



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

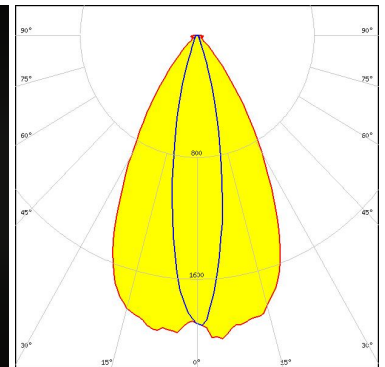
Light distribution files



LED NF1202EFC-V5
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM 57.0 + 20.0° / 86.0 + 40.0°
 Efficiency 87 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C18968_SOCKET-B-35-C



Light distribution files



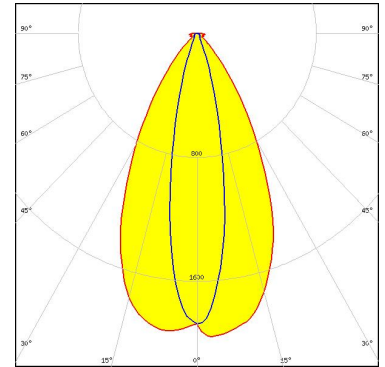
OPTICAL RESULTS (SIMULATED):

PHILIPS

LED	Fortimo SLM L06 CoB
Ordering code	CP19171_AMY-35-O-B2-WHT
FWHM / FWTM	54.0 + 22.0° / 86.0 + 42.0°
Efficiency	91 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 634a Bayonet35L

Light distribution files

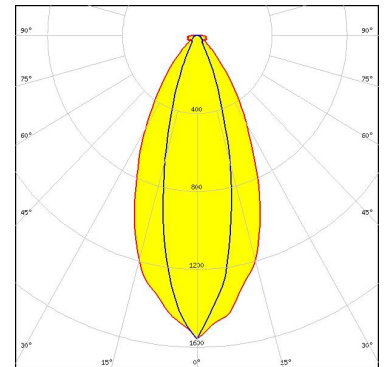


PHILIPS

LED	Fortimo SLM L09 CoB
Ordering code	CP19171_AMY-35-O-B2-WHT
FWHM / FWTM	48.0 + 27.0° / 88.0 + 54.0°
Efficiency	87 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 634a Bayonet35L

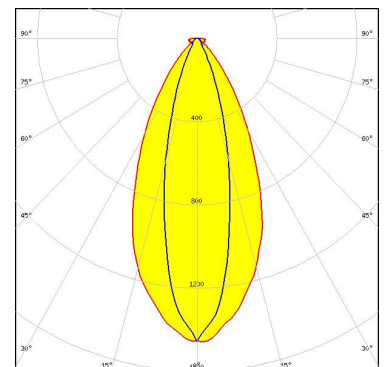
Light distribution files



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

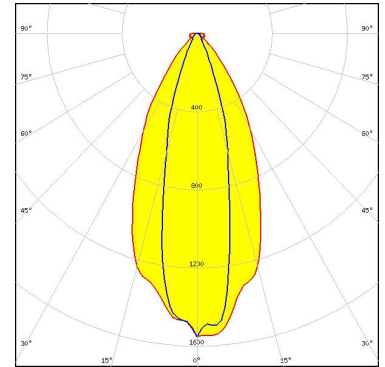
Light distribution files



OPTICAL RESULTS (SIMULATED):

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:

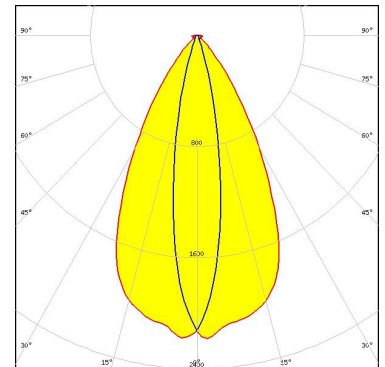


BJB: 47.360.1020

Light distribution files

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:

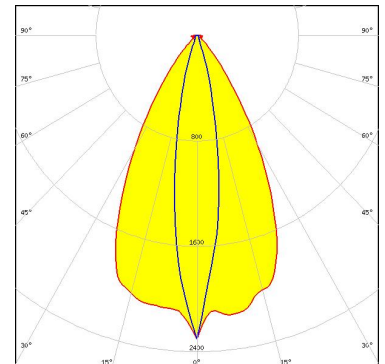


BJB: 47.360.1020

Light distribution files



LED MJT COB LES 6
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM 56.0 + 18.0° / 84.0 + 37.0°
 Efficiency 90 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



BJB: 47.360.1020

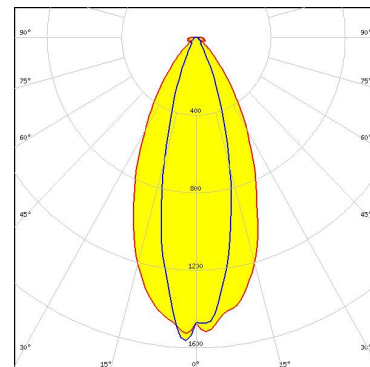
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED MJT COB LES 9.8
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM 50.0 + 27.0° / 88.0 + 54.0°
 Efficiency 86 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

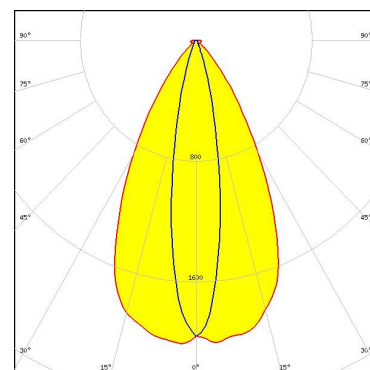
BJB: 47.360.1020



Light distribution files

TRIDONIC

LED SLE 06mm 1600lm xxx R ADV8
 Ordering code CP19165_AMY-35-O-B2
 FWHM / FWTM 56.0 + 20.0° / 86.0 + 39.0°
 Efficiency 86 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C18968_SOCKET-B-35-C



Light distribution files

GENERAL INFORMATION:

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

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

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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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

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Poznan, Poland
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