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		

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ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18491_AMY-35-O » Box size: 480 x 280 x 300 mm	1650	132	66	10.0
CP19171_AMY-35-O-B2-WHT » Box size: 480 x 280 x 300 mm	1320	132	66	10.3
CP19165_AMY-35-O-B2 » Box size: 480 x 280 x 300 mm	1320	132	66	10.3

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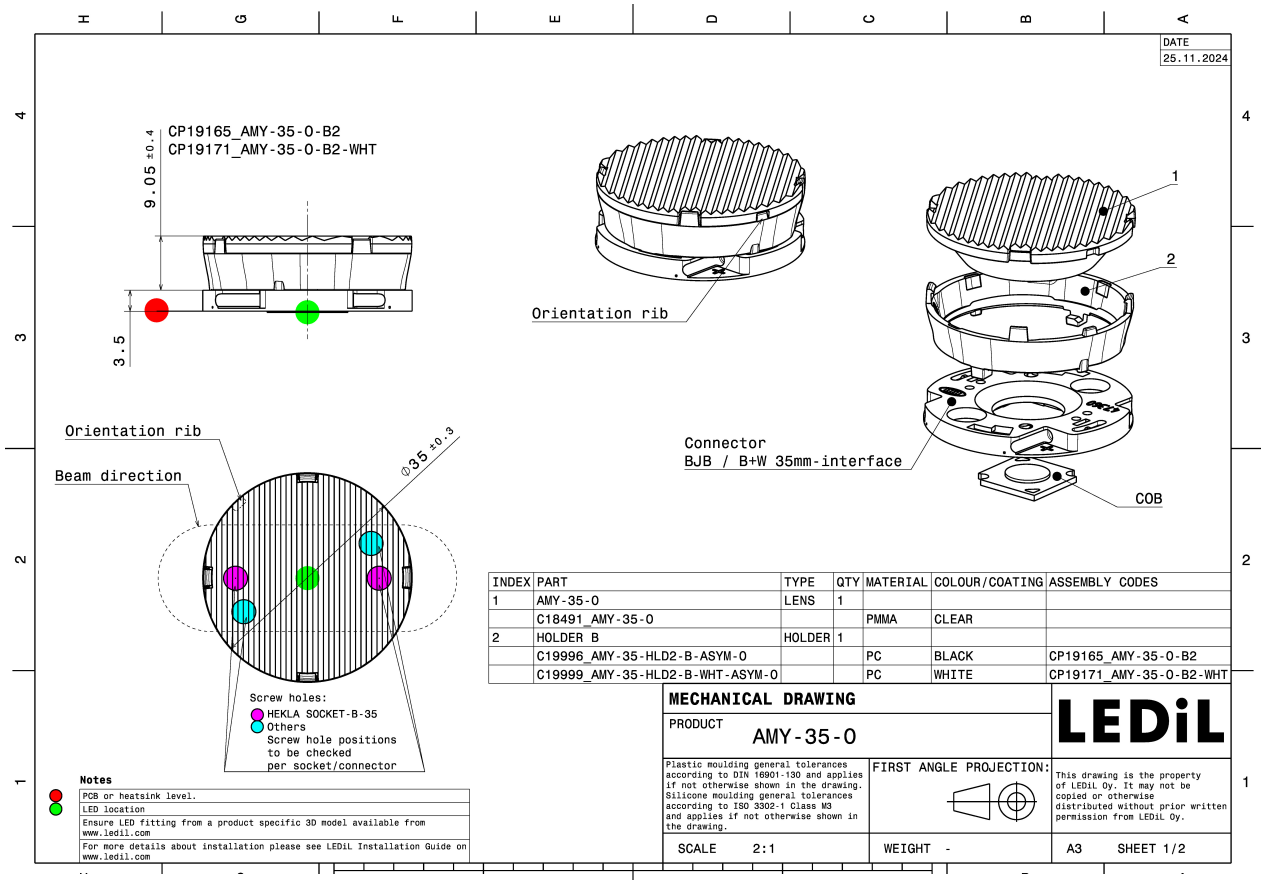
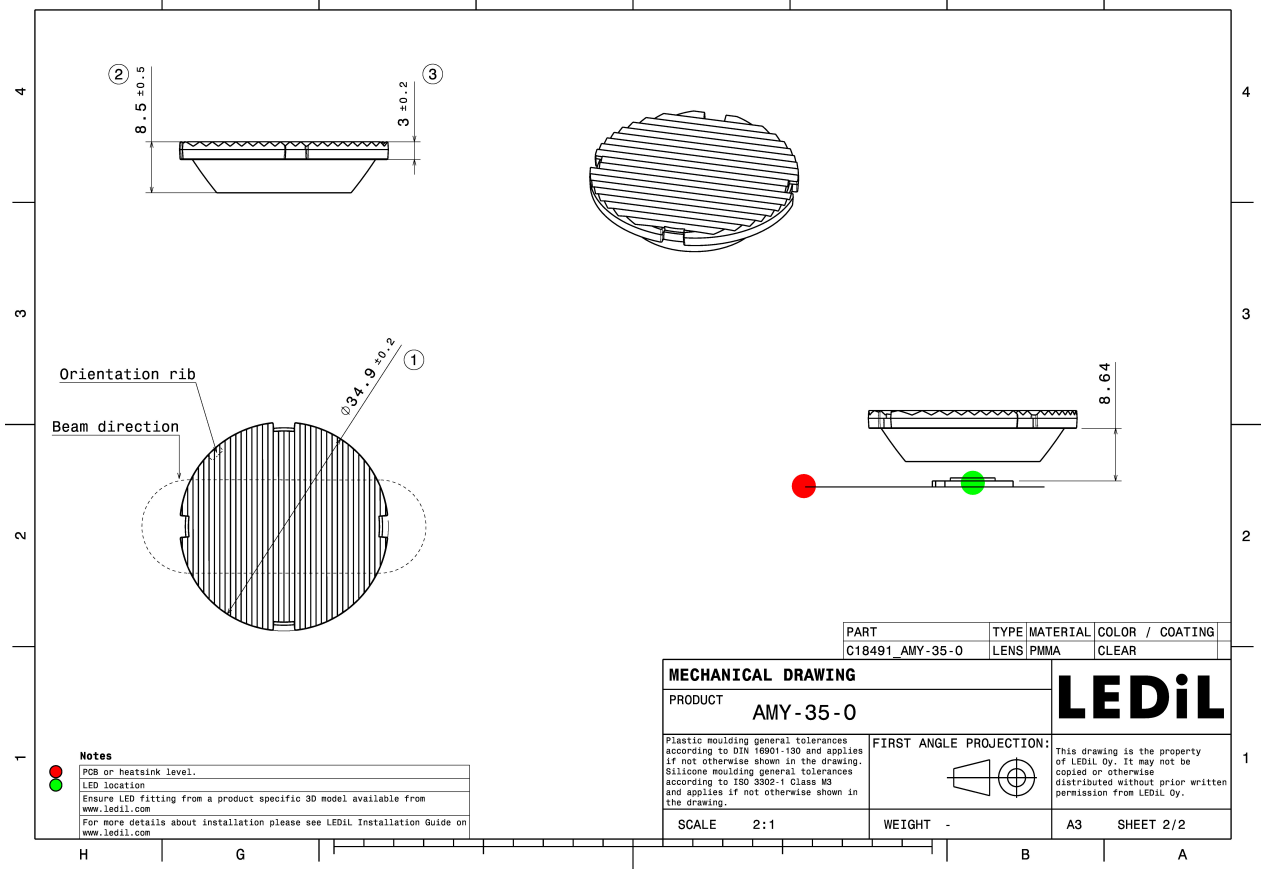


INDEX	PART	TYPE	QTY	MATERIAL	COLOUR/COATING	ASSEMBLY CODES
1	AMY-35-O	LENS	1			
	C18491_AMY-35-O			PMMA	CLEAR	
2	HOLDER B	HOLDER	1			
	C19996_AMY-35-HLD2-B-ASYM-O			PC	BLACK	CP19165_AMY-35-O-B2
	C19999_AMY-35-HLD2-B-WHT-ASYM-O			PC	WHITE	CP19171_AMY-35-O-B2-WHT



PART	TYPE	MATERIAL	COLOR / COATING
C18491_AMY-35-O	LENS	PMMA	CLEAR

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

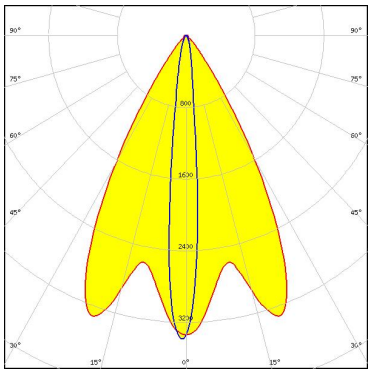
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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	



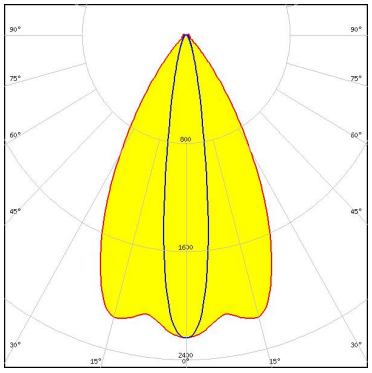


Light distribution files

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	



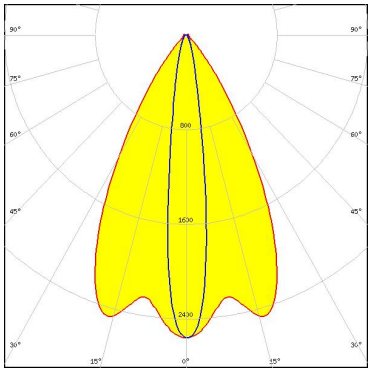


Light distribution files

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	





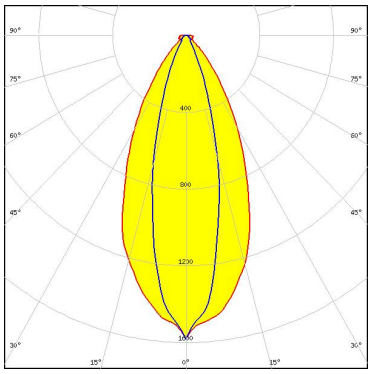
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

bridgelux

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:	

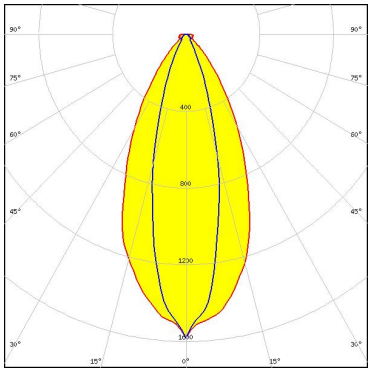


BJB: 47.360.1020

Light distribution files

bridgelux

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:	

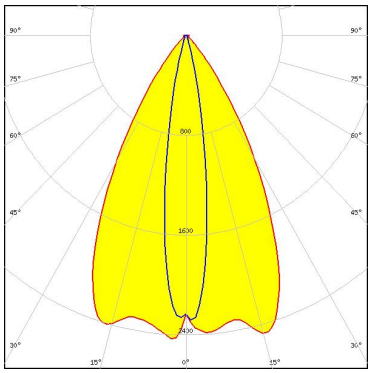


Bender Wirth: 634b Bayonet35L

Light distribution files

bridgelux

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:	



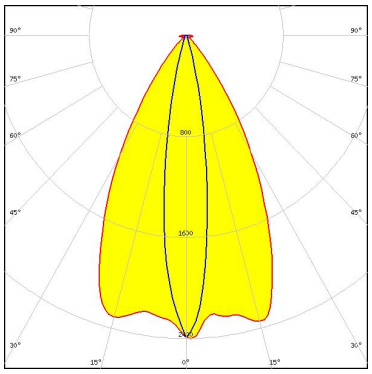
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

bridgelux

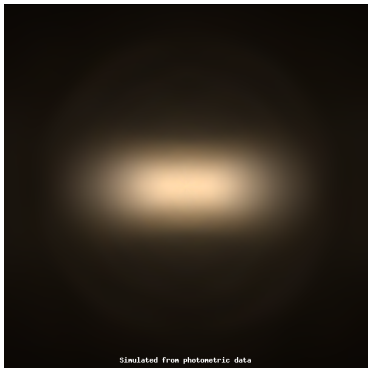
LED	V4 HD Gen 7
Ordering code	C18491_AMY-35-O
FWHM / FWTM	58.0 + 17.0° / 84.0 + 32.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

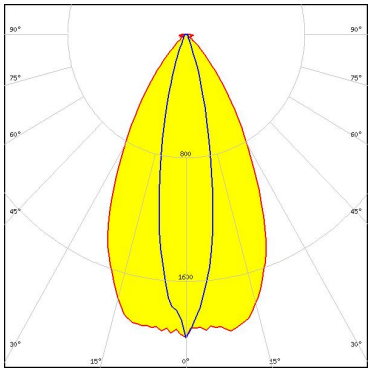


Light distribution files

bridgelux

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:	



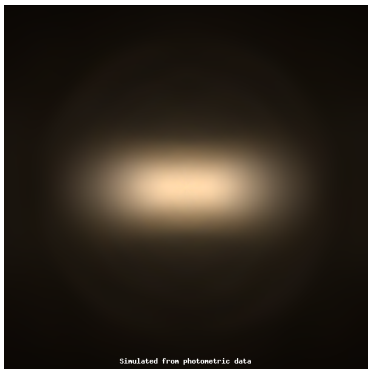


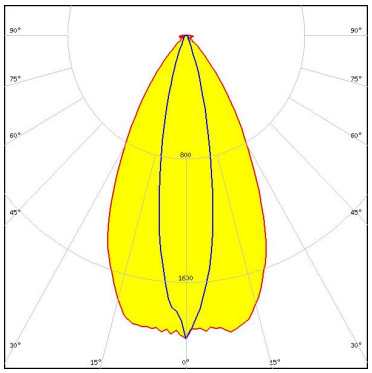
Bender Wirth: 634c Bayonet35L

Light distribution files

bridgelux

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	





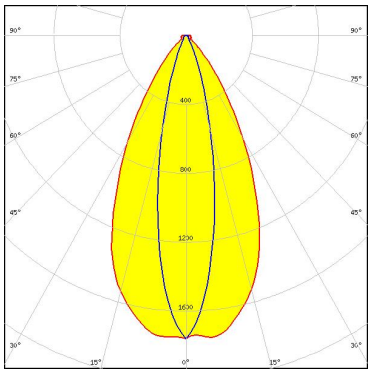
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

bridgelux

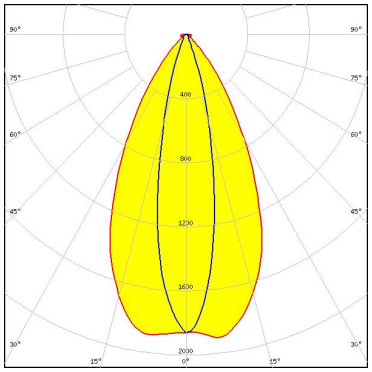
LED	V8 Gen 8-9
Ordering code	CP19165_AMY-35-O-B2
FWHM / FWTM	54.0 + 22.0° / 86.0 + 45.0°
Efficiency	85 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19309_SOCKET-B-35-A	



Light distribution files

bridgelux

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:	

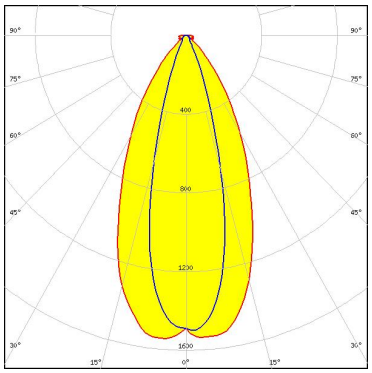


Bender Wirth: 652b Bayonet35L

Light distribution files

bridgelux

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

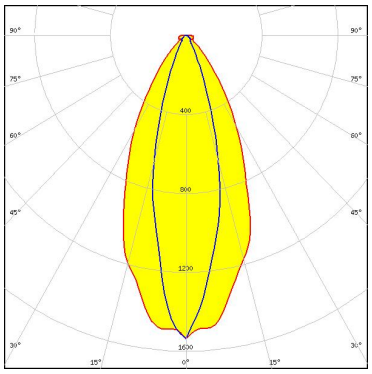
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

CITIZEN

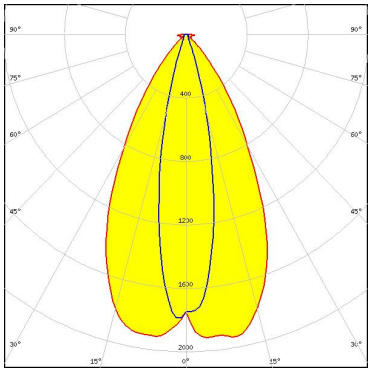
LED	CLU02x (LES10)
Ordering code	CP19165_AMY-35-O-B2
FWHM / FWTM	48.0 + 26.0° / 88.0 + 52.0°
Efficiency	80 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C18968_SOCKET-B-35-C	



Light distribution files

CITIZEN

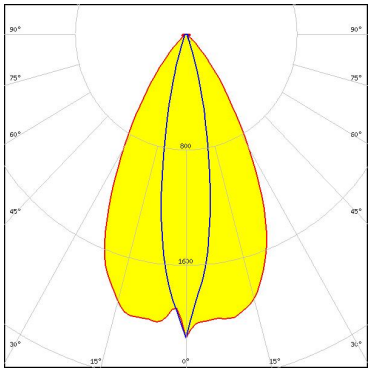
LED	CLU700/701/702/703
Ordering code	C18491_AMY-35-O
FWHM / FWTM	56.0 + 22.0° / 86.0 + 40.0°
Efficiency	90 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
BJB: 47.360.1020	



Light distribution files

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	



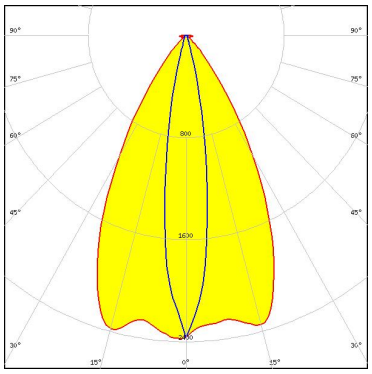
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

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:	

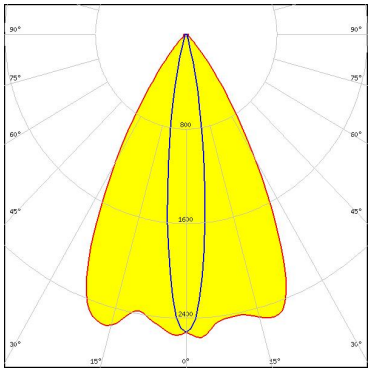


BJB: 47.360.1020

Light distribution files

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:	

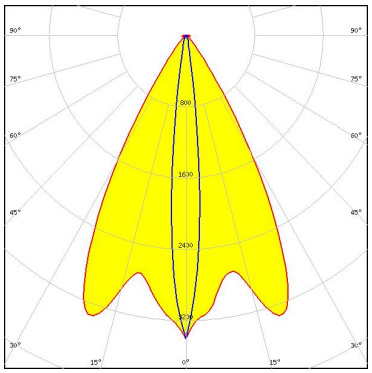


BJB: 47.360.1020

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	



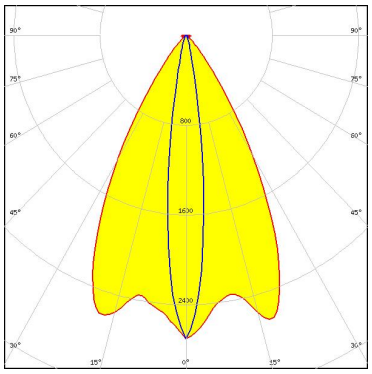
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

CITIZEN

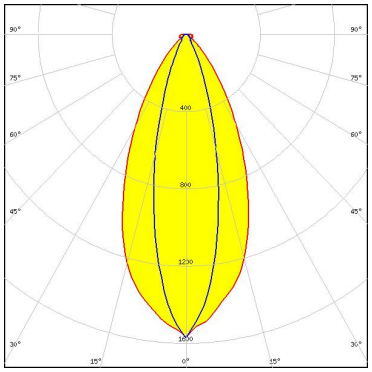
LED	CLU7S3
Ordering code	CP19165_AMY-35-O-B2
FWHM / FWTM	58.0 + 14.0° / 80.0 + 27.0°
Efficiency	87 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C19425_SOCKET-B-35-N	



Light distribution files

CREE LEDs

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:	

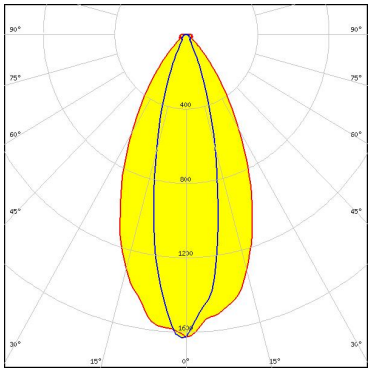


BJB: 47.360.1020

Light distribution files

LUMILEDS

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

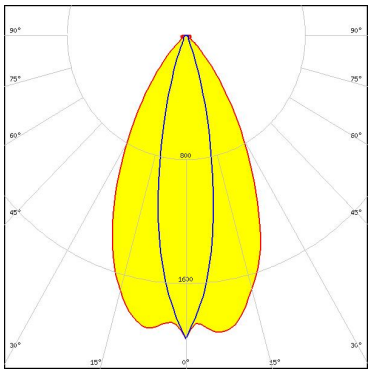
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

LUMILEDS

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:	

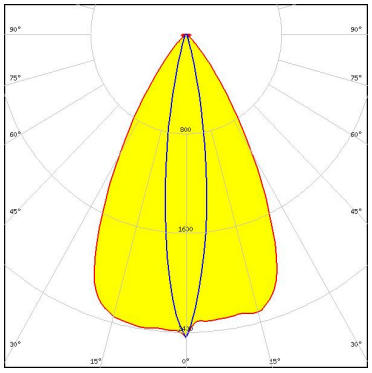


Bender Wirth: 652a Bayonet35L

Light distribution files

LUMILEDS

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:	

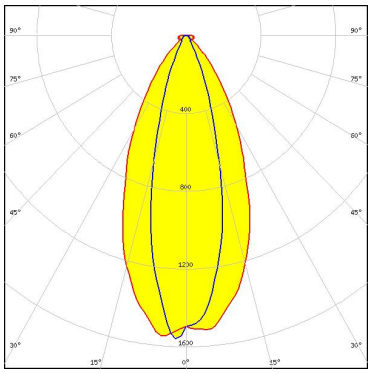


Bender Wirth: 634c Bayonet35L

Light distribution files

LUMILEDS

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

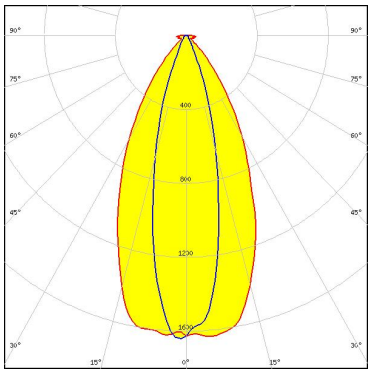
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

LUMINUS

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:	

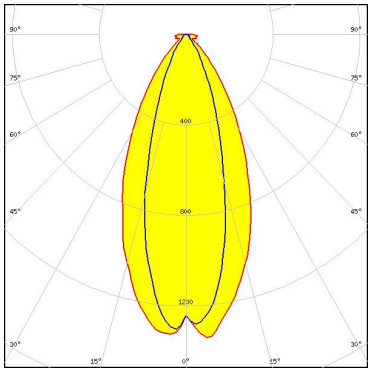


Bender Wirth: 495 Typ B35L

Light distribution files

LUMINUS

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:	

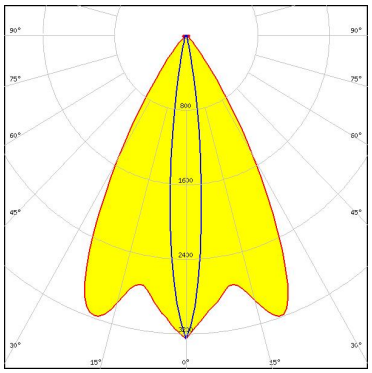


Bender Wirth: 495 Typ B35L

Light distribution files

LUMINUS

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

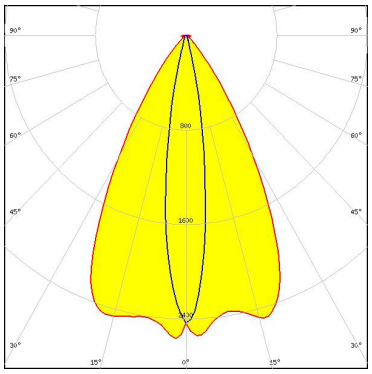
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

LUMINUS

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:	

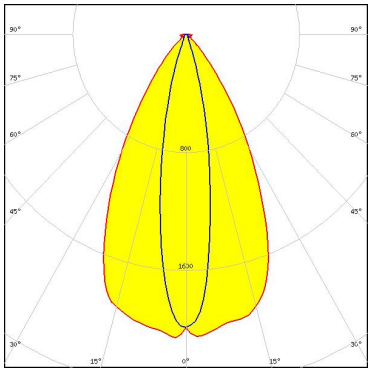


Bender Wirth: 634a Bayonet35L

Light distribution files

LUMINUS

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:	

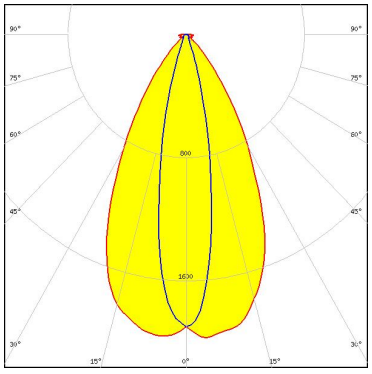


BJB: 47.360.1020

Light distribution files

LUMINUS

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

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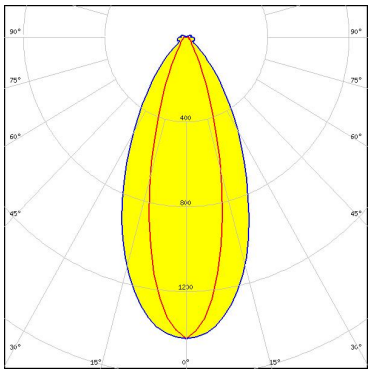
OPTICAL RESULTS (SIMULATED):

LUMINUS

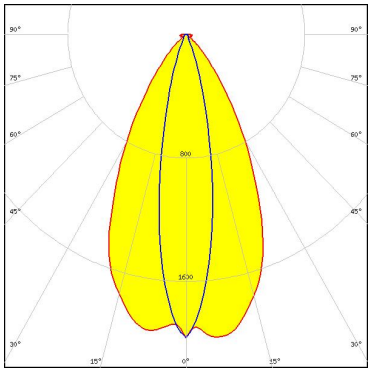
LED	CxM-9 (13.5x13.5)
Ordering code	CP19165_AMY-35-O-B2
FWHM / FWTM	48.0 + 28.0° / 88.0 + 56.0°
Efficiency	87 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C18968_SOCKET-B-35-C	



Light distribution files

NICHIA

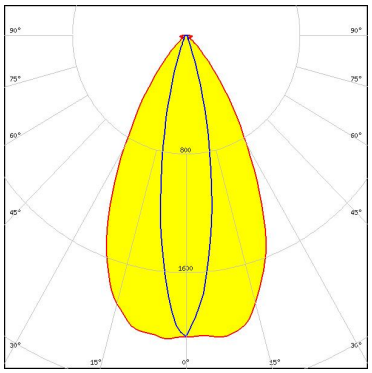
LED	COB S-Type (LES 7)
Ordering code	CP19165_AMY-35-O-B2
FWHM / FWTM	54.0 + 20.0° / 86.0 + 42.0°
Efficiency	88 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 652a Bayonet35L	



Light distribution files

NICHIA

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

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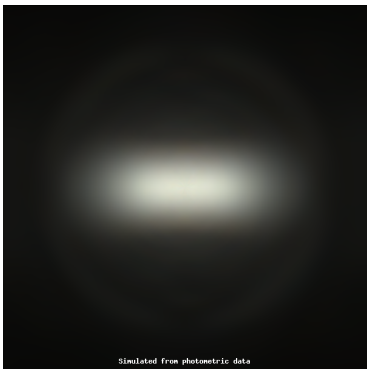
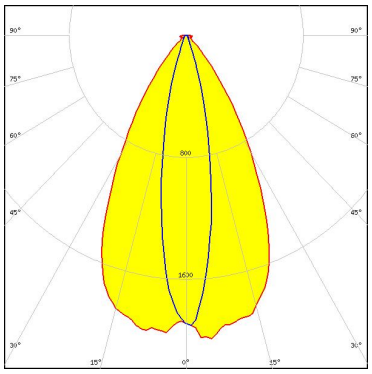
OPTICAL RESULTS (SIMULATED):

NICHIA

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	

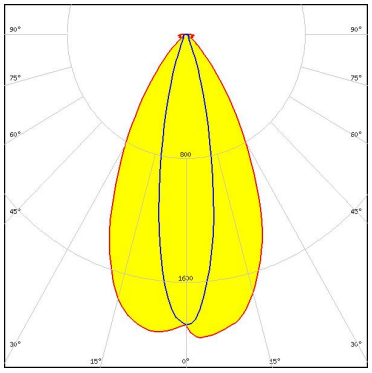




Light distribution files

PHILIPS

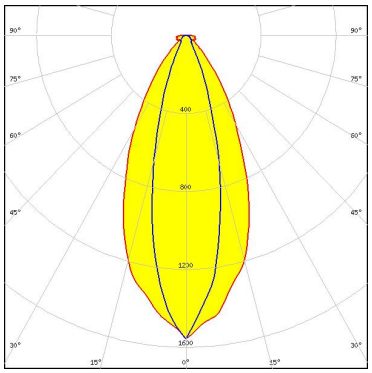
LED	Fortimo SLM L06 CoB
Ordering code	CP19171_AMY-35-O-B2-WHT
FWHM / FWTM	54.0 + 22.0° / 86.0 + 42.0°
Efficiency	91 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 634a Bayonet35L	



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

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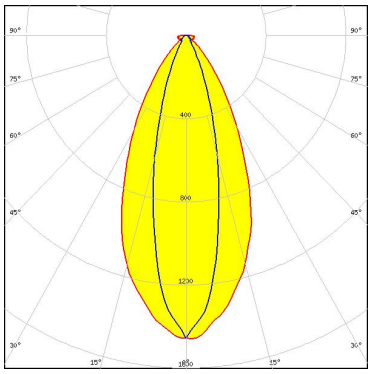
OPTICAL RESULTS (SIMULATED):

SAMSUNG

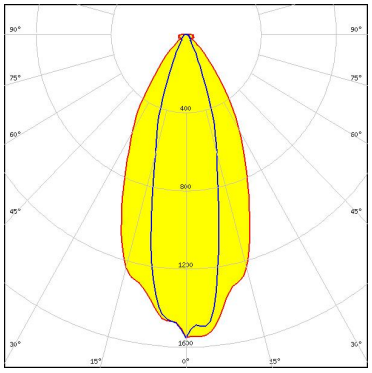
LED	LC003D / LC006D / LC009D / LC013D
Ordering code	CP19165_AMY-35-O-B2
FWHM / FWTM	50.0 + 26.0° / 88.0 + 54.0°
Efficiency	79 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C18968_SOCKET-B-35-C	



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:	

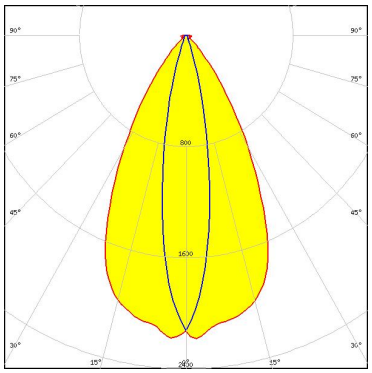


BJB: 47.360.1020

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

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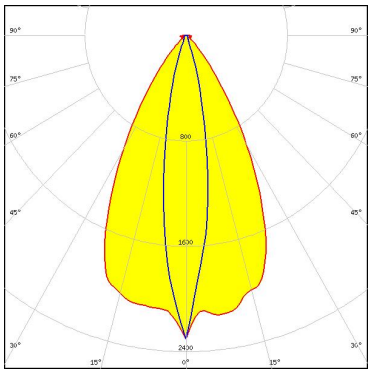
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

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

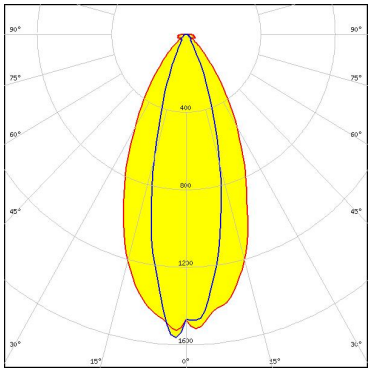


Light distribution files

SEOUL SEMICONDUCTOR

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:	

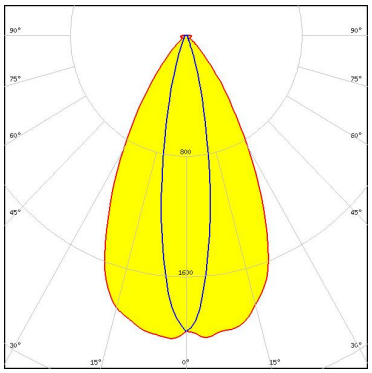
BJB: 47.360.1020



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

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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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