AMY-45-WW

~60° wide beam



SPECIFICATION:

Dimensions	Ø
Height	0 mm
Fastening	screw
ROHS compliant	yes

MATERIALS:

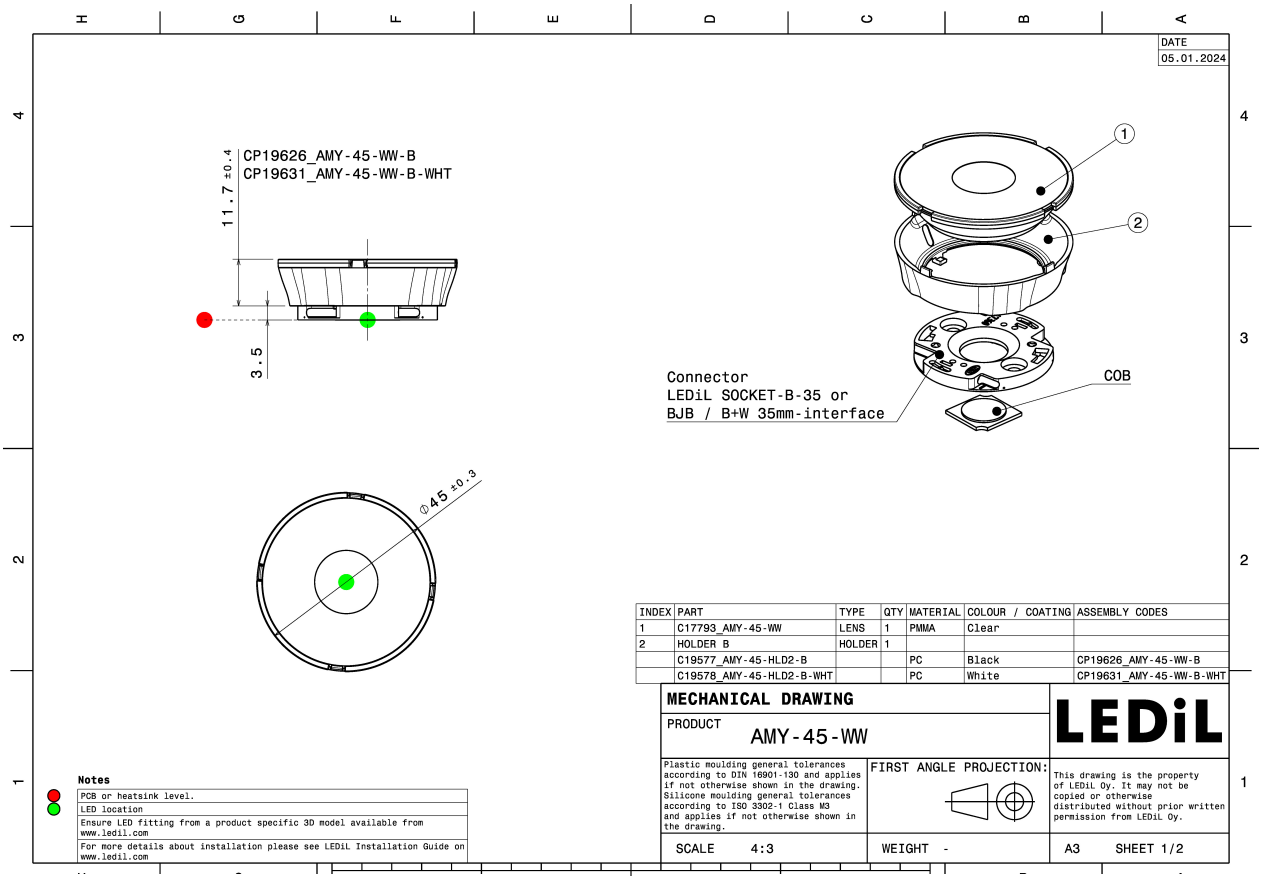
Component	Type	Material	Colour	Finish	Length (mm)
AMY-45-WW	Single lens	PMMA			
AMY-45-HLD2-B	Holder B	PC	black		
AMY-45-HLD2-B-WHT	Holder B	PC	white		

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ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17793_AMY-45-WW » Box size: 480 x 280 x 300 mm	1035	180	45	8.8
Assembly				
CP19631_AMY-45-WW-B-WHT » Box size: 480 x 280 x 300 mm	900	180	45	10.2
CP19626_AMY-45-WW-B » Box size: 480 x 280 x 300 mm	900	180	45	10.2

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INDEX	PART	TYPE	QTY	MATERIAL	COLOUR / COATING	ASSEMBLY CODES
1	C17793_AMY-45-WW	LENS	1	PMMA	Clear	
2	HOLDER B	HOLDER	1			
	C19577_AMY-45-HLD2-B			PC	Black	CP19626_AMY-45-WW-B
	C19578_AMY-45-HLD2-B-WHT			PC	White	CP19631_AMY-45-WW-B-WHT

MECHANICAL DRAWING

PRODUCT AMY-45-WW

LEDiL

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

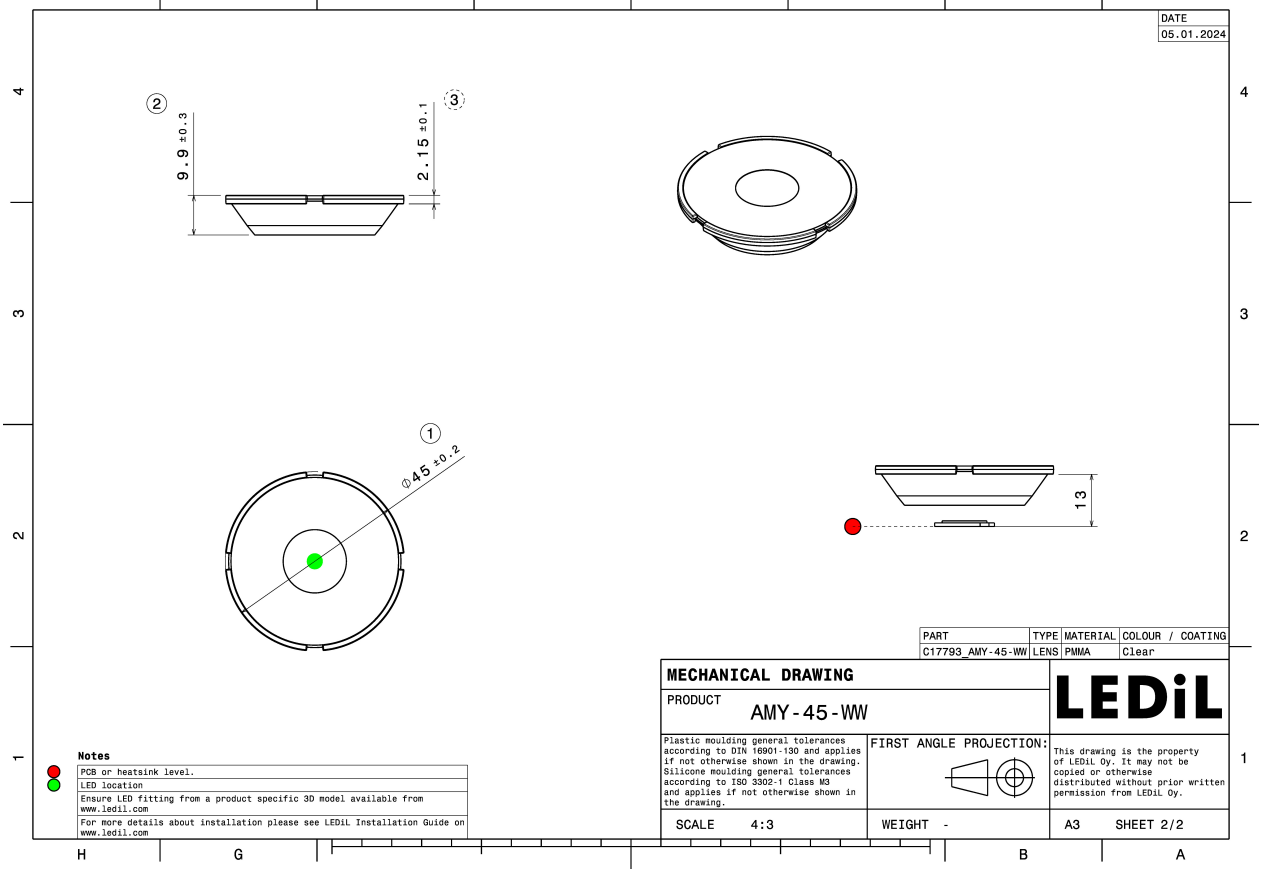
FIRST ANGLE PROJECTION:

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SCALE 4:3 | WEIGHT - | A3 | SHEET 1/2

Notes

PCB or heatsink level.
LED location
Ensure LED fitting from a product specific 3D model available from www.ledil.com
For more details about installation please see LEDiL Installation Guide on www.ledil.com



PART	TYPE	MATERIAL	COLOUR / COATING
C17793_AMY-45-WW	LENS	PMMA	Clear

MECHANICAL DRAWING

PRODUCT AMY-45-WW

LEDiL

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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SCALE 4:3 | WEIGHT - | A3 | SHEET 2/2

Notes

PCB or heatsink level.
LED location
Ensure LED fitting from a product specific 3D model available from www.ledil.com
For more details about installation please see LEDiL Installation Guide on www.ledil.com

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

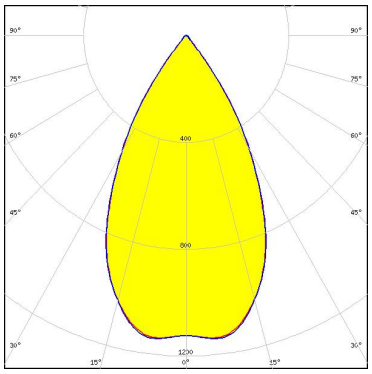
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OPTICAL RESULTS (MEASURED):

bridgelux

LED	V11 HD Gen 8
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	56.0° / 78.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 633d Hekla	



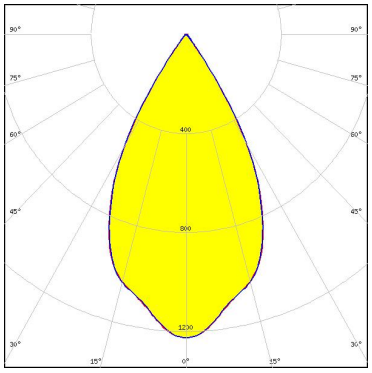


Light distribution files

bridgelux

LED	V6 HD Gen 7
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	56.0° / 74.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



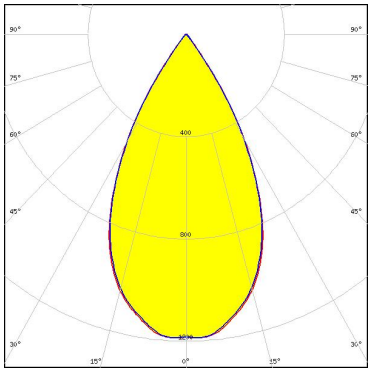


Light distribution files

bridgelux

LED	V9 HD Gen7
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	55.0° / 75.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	





Light distribution files

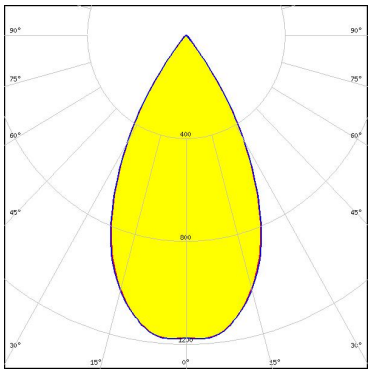
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLU02x (LES10)
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	54.0° / 76.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



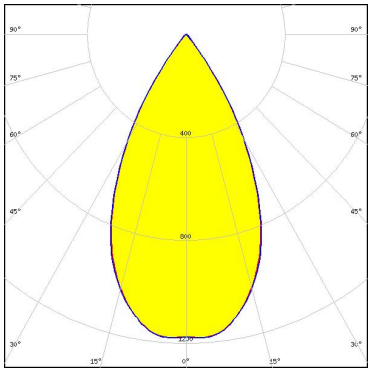


Light distribution files

CITIZEN

LED	CLU02x (LES10)
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	54.0° / 76.0°
Efficiency	89 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



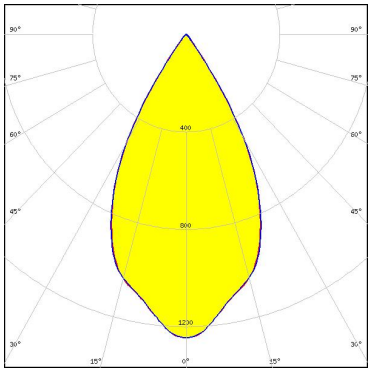


Light distribution files

CITIZEN

LED	CLU700/701/702/703
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	56.0° / 73.0°
Efficiency	90 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	





Light distribution files

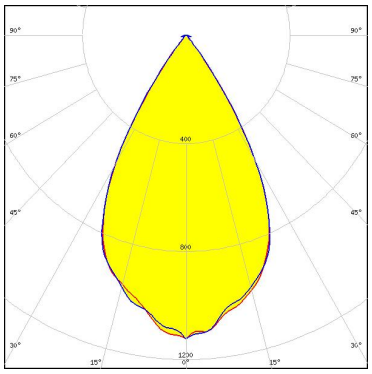
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLU700/701/702/703
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	56.0° / 73.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



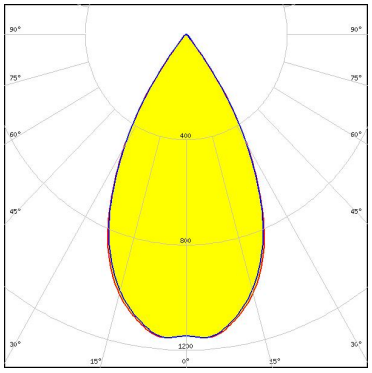


Light distribution files

CREE LEDs

LED	CMA1516
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	56.0° / 76.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17436_HEKLA-G2-D	



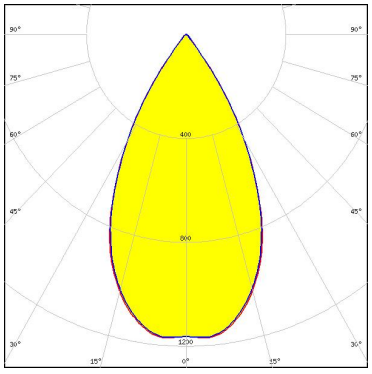


Light distribution files

CREE LEDs

LED	CMT14xx
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	55.0° / 76.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	





Light distribution files

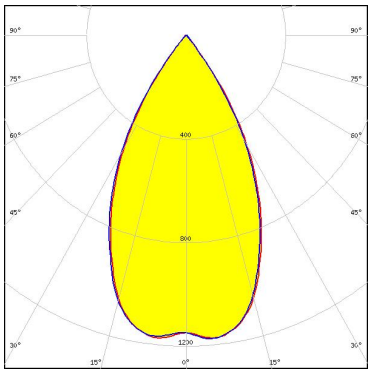
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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	CMU10xx
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	56.0° / 78.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	White
Required components:	
BJB: 47.360.1020	



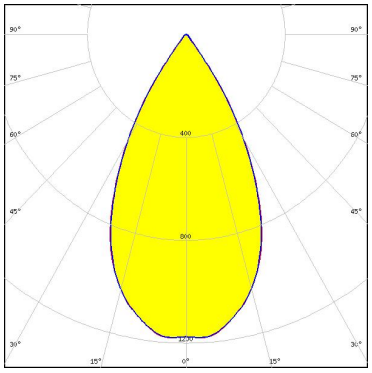


Light distribution files

LUMILEDS

LED	LUXEON CoB 1202/1203
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	54.0° / 75.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17437_HEKLA-G2-H	



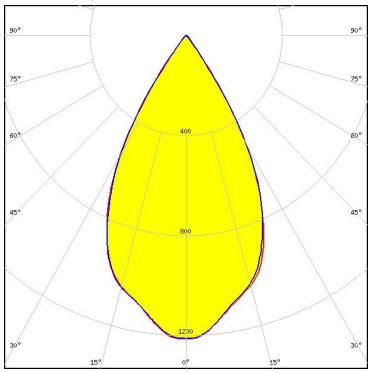


Light distribution files

LUMILEDS

LED	LUXEON CoB 1202s
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	57.0° / 74.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15848_HEKLA-SOCKET-G	





Light distribution files

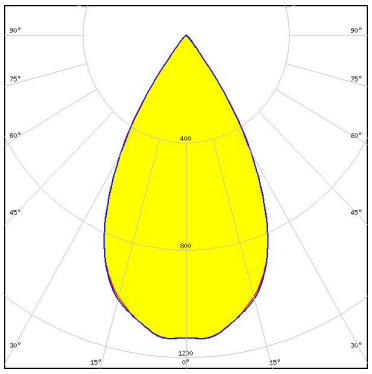
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OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB M02 / M03 (Gen2)
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	58.0° / 76.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15256_HEKLA-SOCKET-D	



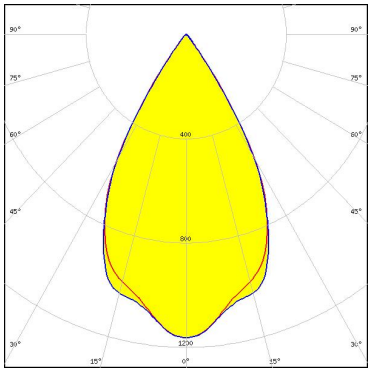


Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB S01 (Gen2)
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	59.0° / 75.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15956_HEKLA-SOCKET-J	



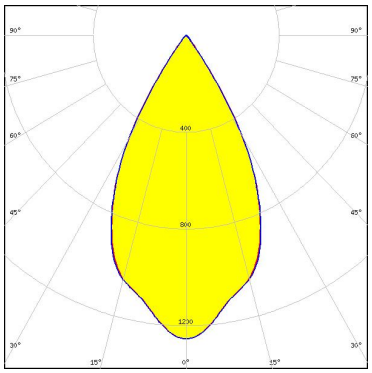


Light distribution files

LUMINUS

LED	CxM-6 (13.5x13.5)
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	55.0° / 73.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	





Light distribution files

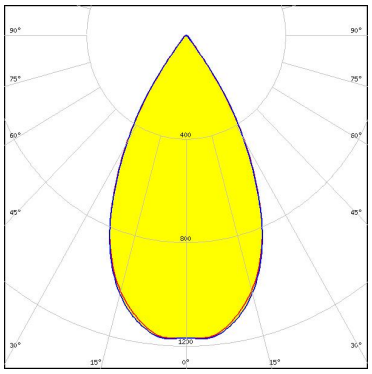
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OPTICAL RESULTS (MEASURED):

LUMINUS

LED	CxM-9 (13.5x13.5)
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	54.0° / 76.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



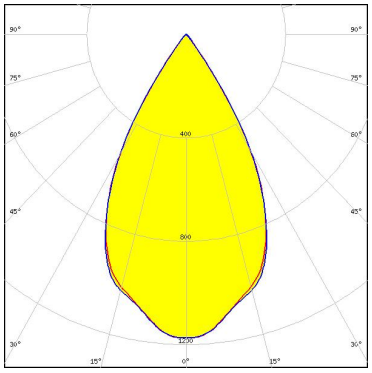


Light distribution files

NICHIA

LED	COB S-Type (LES 7)
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	58.0° / 75.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15848_HEKLA-SOCKET-G	



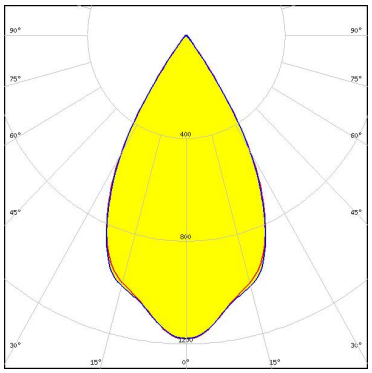


Light distribution files

NICHIA

LED	COB T-Type
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	58.0° / 74.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15848_HEKLA-SOCKET-G	





Light distribution files

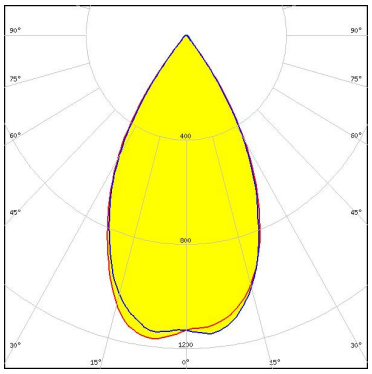
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OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	56.0° / 78.0°
Efficiency	95 %
LEDs/each optic	1
Light colour/type	White
Required components:	



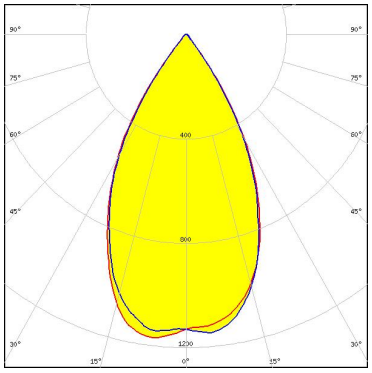


Light distribution files

SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	56.0° / 78.0°
Efficiency	95 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
BJB: 47.360.1020	



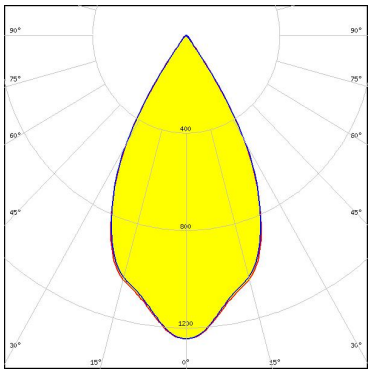


Light distribution files

SEOUL SEMICONDUCTOR

LED	MJT COB LES 6
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	56.0° / 73.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	





Light distribution files

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OPTICAL RESULTS (MEASURED):

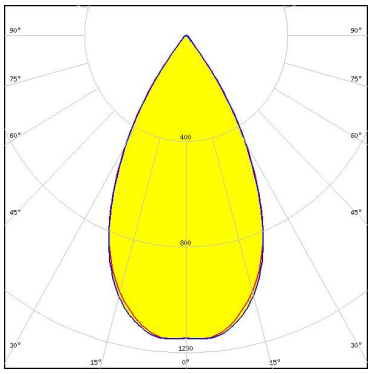
SEOUL SEMICONDUCTOR

LED	MJT COB LES 9.8
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	55.0° / 76.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White

Required components:

F17435_HEKLA-G2-C





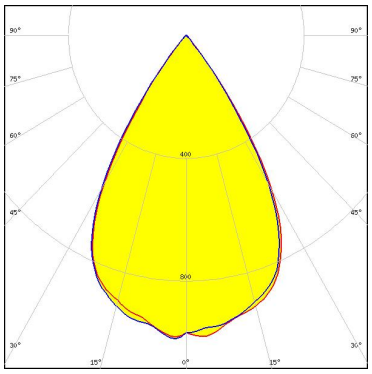
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

bridgelux

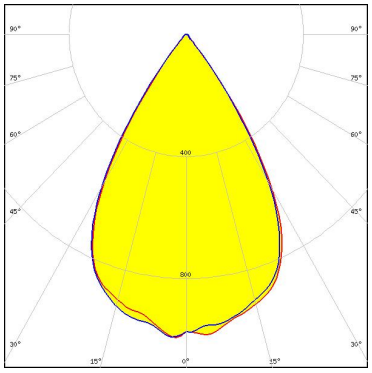
LED	V6 HD Gen 8
Ordering code	CP19626_AMY-45-WW-B
FWHM / FWTM	63.0° / 79.0°
Efficiency	90 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C18968_SOCKET-B-35-C	



Light distribution files

bridgelux

LED	V6 HD Gen 8
Ordering code	CP19631_AMY-45-WW-B-WHT
FWHM / FWTM	63.0° / 80.0°
Efficiency	93 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C18968_SOCKET-B-35-C	

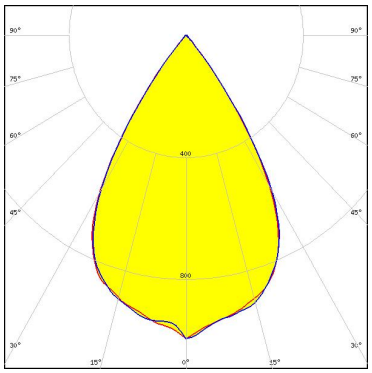


Light distribution files

bridgelux

LED	Vesta DTW 6mm
FWHM / FWTM	64.0° / 80.0°
Efficiency	91 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 652b Bayonet35



Light distribution files

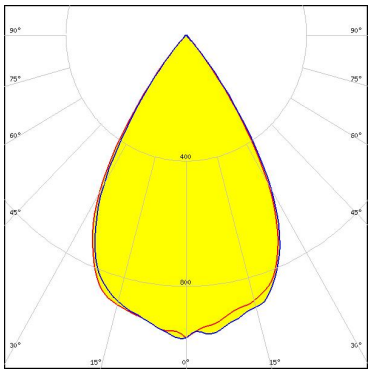
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	Vesta DTW 9mm (4W/6W/12W)
FWHM / FWTM	63.0° / 81.0°
Efficiency	91 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 652b Bayonet35

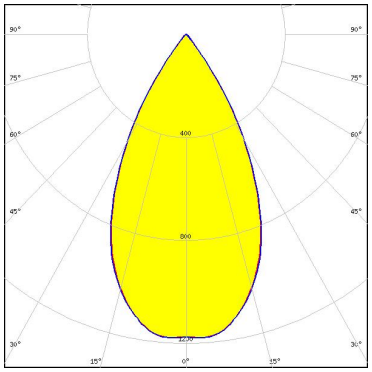


Light distribution files

CITIZEN

LED	CLU02x (LES10)
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	60.0° / 80.0°
Efficiency	93 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

F17435_HEKLA-G2-C

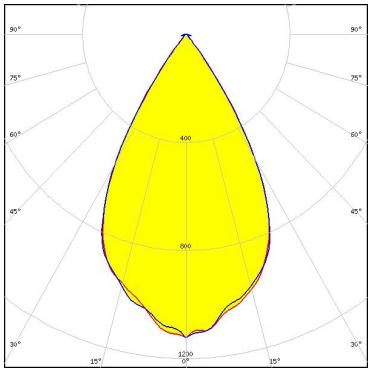


Light distribution files

CITIZEN

LED	CLU700/701/702/703
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	59.0° / 76.0°
Efficiency	93 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

F17435_HEKLA-G2-C



Light distribution files

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

OPTICAL RESULTS (SIMULATED):

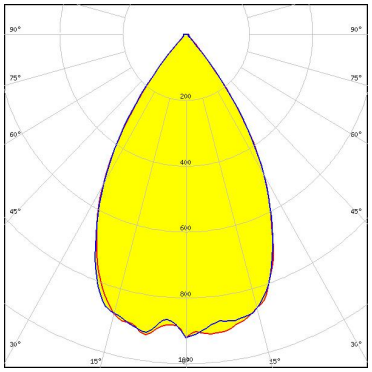
CITIZEN

LED	CLU712/713
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	58.0° / 78.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	

Light distribution files

CREE LEDs

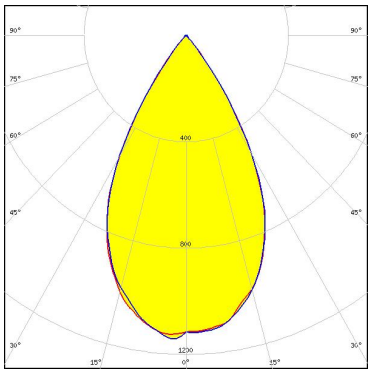
LED	CMA1825
Ordering code	C17793_AMY-45-WW
FWHM / FWTM	63.0° / 85.0°
Efficiency	91 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15254_HEKLA-SOCKET-B	



Light distribution files

CREE LEDs

LED	CXA/B 15xx
Ordering code	CP19626_AMY-45-WW-B
FWHM / FWTM	58.0° / 78.0°
Efficiency	92 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



BJB: 47.360.1030

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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