

PRODUCT DATASHEET C17792_AMY-45-W

AMY-45-W

~36° wide beam

SPECIFICATION:

Dimensions	Ø 45.0 mm
Height	10 mm
ROHS compliant	yes 🛈



MATERIALS:

Component AMY-45-W **Type** Single lens

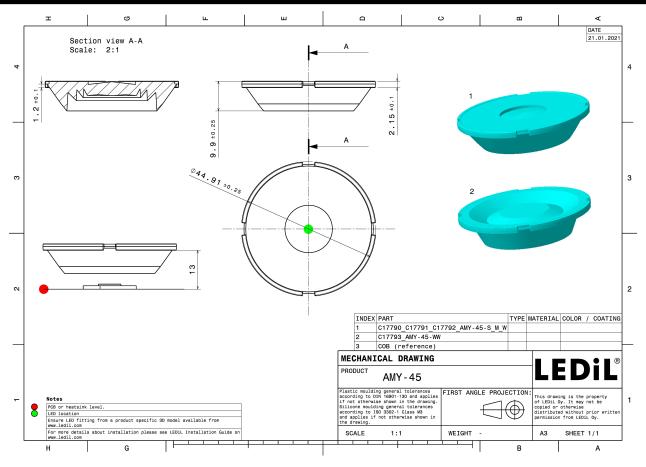
Material	Colour	Finish
PMMA		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17792_AMY-45-W	690	120	30	7.4
» Box size: 480 x 280 x 300 mm				



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



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15255_HEKLA-		20- 20- 20- 20- 20- 20- 20- 20-
bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA-		90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17435_HEKLA-	CLL02x/CLU02x (LES10) 35.0° / 60.0° 84 % 2 cd/lm 1 White ts:	25 ⁻ 25 ⁻



CITIZE		
CITIZE		90* 90*
LED	CLU700/701/702/703	75*
FWHM / FWTM	36.0° / 56.0°	
Efficiency	86 %	60* 60*
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	e.
Required componen		
F17435_HEKLA-	G2-C	
		30° 15° 0° 15°
		90° 50°
LED	CMA1516	
FWHM / FWTM	35.0° / 59.0°	
Efficiency	84 %	60 ⁵
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	6
Required componen	ls:	
F17436_HEKLA-	G2-D	1000
		30. 30.
		90 ⁴ 90 ⁴
LED	CMT14xx	
FWHM / FWTM	35.0° / 60.0°	75' 400
Efficiency	84 %	
Peak intensity	2 cd/lm	60 ⁴
LEDs/each optic	1	
Light colour	White	43* 43*
Required componen		
F17435_HEKLA-		
		1630
_		
_		94°
		20 ⁵ 0 ⁶ 10 ⁵ 0 ⁶
		90°
	CMU10xx	20 ⁵ 0 ⁶ 10 ⁵ 0 ⁶
CREE CLED	CMU10xx 35.0° / 61.0°	20 ⁵ 0 ⁶ 10 ⁵ 0 ⁶
LED FWHM / FWTM Efficiency	CMU10xx 35.0° / 61.0° 88 %	30 ⁶ 25 ⁵ 0 ⁶ 15 ⁶ 30 ⁶
CREE CLED LED FWHM / FWTM Efficiency Peak intensity	CMU10xx 35.0° / 61.0° 88 % 2 cd/lm	30 ⁶ 25 ⁵ 0 ⁶ 15 ⁶ 30 ⁶
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CMU10xx 35.0° / 61.0° 88 % 2 cd/lm 1	30 ⁶
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CMU10xx 35.0° / 61.0° 88 % 2 cd/lm 1 White	30 ⁶ 255 ⁶ 6 ⁴ 25 ⁶ 36 ⁴
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CMU10xx 35.0° / 61.0° 88 % 2 cd/lm 1 White ts:	30 ⁶ 255 ⁶ 25 ⁴ 35 ⁴
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CMU10xx 35.0° / 61.0° 88 % 2 cd/lm 1 White ts:	30 ⁶ 255 ⁶ 25 ⁴ 35 ⁴
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CMU10xx 35.0° / 61.0° 88 % 2 cd/lm 1 White ts:	30 ⁶ 255 ⁶ 25 ⁴ 35 ⁴



M LUMIL	EDS	30* 90*
LED	LUXEON CoB 1202/1203	
FWHM / FWTM	35.0° / 59.0°	75*
Efficiency	83 %	
Peak intensity	2 cd/lm	50* 50* 50*
LEDs/each optic	1	
Light colour	White	g2*
Required componer		
F17437_HEKLA-		1600
		13° 0° 15°
	EDS	90° 90'
LED	LUXEON CoB 1202s	
FWHM / FWTM	36.0° / 57.0°	
Efficiency	87 %	692 602
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	95* 65
Required componer	its:	
F15848_HEKLA-	SOCKET-G	200
		30* 30.
	EDS	90* D
		50° 50'
LUMIL	EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0°	23. 24. 25.
LED	LUXEON CX Plus CoB M02 / M03 (Gen2)	99 [,] 33 34 35 35 35 35 35 35 35 35
LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0°	64 00 00 00
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 %	99* 94 95 95 96 96 96 96 96 96 97 96 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm	gr 997
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White tts:	99 ⁴ 99 ⁴ 99 99 99 99 99 99 99 99 99 99 99 99 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White tts:	99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White tts:	30 30 30 30 30 30 30 30 40 40 40 40 40 40 40 40 40 4
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White nts: SOCKET-D	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White tts: SOCKET-D	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White tts: SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White hts: SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 36.0° / 56.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White hts: SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 36.0° / 56.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White tts: SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 36.0° / 56.0° 88 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White tts: SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 36.0° / 56.0° 88 % 2.1 cd/lm 1	37 - 72 69 - 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White hts: SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 36.0° / 56.0° 88 % 2.1 cd/lm 1 White	37 - 72 69 - 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White hts: SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 36.0° / 56.0° 88 % 2.1 cd/lm 1 White hts:	500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White hts: SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 36.0° / 56.0° 88 % 2.1 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15256_HEKLA-	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 59.0° 87 % 2 cd/lm 1 White hts: SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 36.0° / 56.0° 88 % 2.1 cd/lm 1 White hts:	500 500



	INUS	30'
LED	CxM-6 (13.5x13.5)	
FWHM / FWTM	36.0° / 56.0°	R.
Efficiency	86 %	
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
F17435_HEKLA		
T TT 400_TIERER		
		20 ⁶⁰ 10 ⁵ 0 ⁵ 10 ⁵
	INUS	39*
LED	CxM-9 (13.5x13.5)	
FWHM / FWTM	35.0° / 60.0°	
Efficiency	84 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	9
Required compone	nts:	
F17435_HEKLA		
		se /
		135 ⁴ 0 ⁴ 135 ⁴
		90.0
		90 ⁴
LED	COB S-Type (LES 7)	39'
LED FWHM / FWTM	COB S-Type (LES 7) 36.0° / 57.0°	30'
LED FWHM / FWTM Efficiency	COB S-Type (LES 7) 36.0° / 57.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm	99 ⁴ 173 60 ⁴ 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White	59' 75 69' 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/Im 1 White Ints:	59' 79 60' 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/Im 1 White Ints:	50° 73 63° 74 75 75 75 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/Im 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/Im 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White Ints: -SOCKET-G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White Ints: -SOCKET-G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/Im 1 White ints: -SOCKET-G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White Ints: -SOCKET-G COB T-Type	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White ints: -SOCKET-G COB T-Type 36.0° / 56.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White I SOCKET-G COB T-Type 36.0° / 56.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White mts: -SOCKET-G COB T-Type 36.0° / 56.0° 87 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White mts: -SOCKET-G COB T-Type 36.0° / 56.0° 87 % 2.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White ints: -SOCKET-G COB T-Type 36.0° / 56.0° 87 % 2.1 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White ints: -SOCKET-G COB T-Type 36.0° / 56.0° 87 % 2.1 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 36.0° / 57.0° 87 % 2.1 cd/lm 1 White ints: -SOCKET-G COB T-Type 36.0° / 56.0° 87 % 2.1 cd/lm 1 White ints:	



SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC003D / LC006D / LC009D / LC013D 36.0° / 62.0° 94 % 2 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required compone F17435_HEKLA		



OPTICAL RESULTS (SIMULATED):

LED CLU712/713 FWHM / FWTM 34.0° / 61.0° Efficiency 92 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: F17438_HEKLA-G2-1 CREE©LED LED CMA1825 FWHM / FWTM 34.0° / 67.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15254_HEKLA-SOCKET-B	90
FWHM / FWTM 34.0° / 61.0° Efficiency 92 % Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components: F17438_HEKLA-G2-I F17438_HEKLA-G2-I Image: CMA1825 FWHM / FWTM 34.0° / 67.0° Efficiency 88 % Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: F175254_HEKLA-SOCKET-B	
Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: F17438_HEKLA-G2-I CREE©LED LED CMA1825 FWHM / FWTM 34.0° / 67.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15254_HEKLA-SOCKET-B	1
Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: F17438_HEKLA-G2-I F17438_HEKLA-G2-I Image: CREE Image	$\langle \ \rangle_{a}$
Light colour White Required components: F17438_HEKLA-G2-I F17438_HEKLA-G2-I CREE©LED LED CMA1825 FWHM / FWTM 34.0° / 67.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15254_HEKLA-SOCKET-B	
Required components: F17438_HEKLA-G2-I LED LED CMA1825 FWHM / FWTM 34.0° / 67.0° Efficiency 88 % Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: F15254_HEKLA-SOCKET-B	
F17438_HEKLA-G2-I Image: constraint of the second seco	e
F17438_HEKLA-G2-I Image: Cree in the second secon	
CREE LED CMA1825 FWHM / FWTM 34.0° / 67.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: " F15254_HEKLA-SOCKET-B "	
CREE LED CMA1825 FWHM / FWTM 34.0° / 67.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: " F15254_HEKLA-SOCKET-B "	
CREE LED CMA1825 FWHM / FWTM 34.0° / 67.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: " F15254_HEKLA-SOCKET-B "	34
LED CMA1825 FWHM / FWTM 34.0° / 67.0° Efficiency 88 % Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: F15254_HEKLA-SOCKET-B	35'
FWHM / FWTM 34.0° / 67.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: ** F15254_HEKLA-SOCKET-B **	90
Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15254_HEKLA-SOCKET-B	
Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15254_HEKLA-SOCKET-B	X
LEDs/each optic 1 Light colour White Required components: F15254_HEKLA-SOCKET-B	
Light colour White Required components: F15254_HEKLA-SOCKET-B	
Required components: F15254_HEKLA-SOCKET-B	
Required components: F15254_HEKLA-SOCKET-B	e e
100	
314 129 44.	1



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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LEDiL Oy

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