

PRODUCT DATASHEET C17791_AMY-45-M

AMY-45-M

~24° medium beam

SPECIFICATION:

Dimensions	Ø 45.0 mm
Height	10 mm
ROHS compliant	yes 🛈



MATERIALS:

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

Qty in box

1035

Material	Colour	Finish
PMMA		

MPQ

45

Box weight (kg)

10.1

MOQ

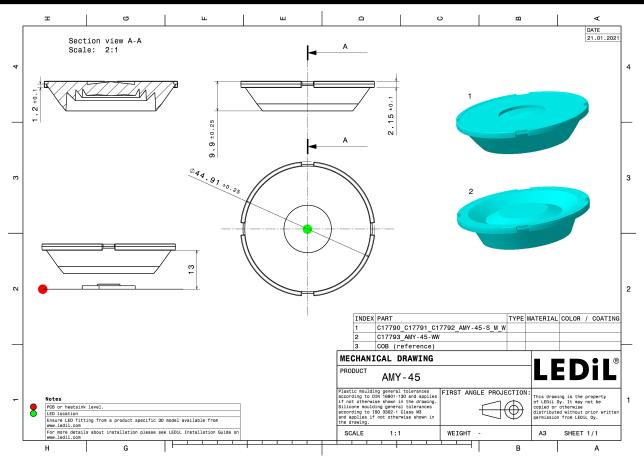
180

ORDERING INFORMATION:

Component C17791_AMY-45-M » Box size: 480 x 280 x 300 mm



PRODUCT DATASHEET C17791_AMY-45-M



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



bridgelux.			100°
LED	V11 HD Gen 8		
FWHM / FWTM	29.0° / 54.0°		
Efficiency	89 %		60°
Peak intensity	2.8 cd/lm		
LEDs/each optic	1		
Light colour	White		45° 4630 45°
Required compone	nts:		
Bender Wirth: 63			
			2000
			30°
			155 00 155
bridgelux.			90°
LED	V6 HD Gen 7		75
FWHM / FWTM	26.0° / 44.0°		
Efficiency	89 %		50 ⁴ 50 ⁴
Peak intensity	3.9 cd/lm		
LEDs/each optic	1		
Light colour	White		47 ² 2430 47 ⁴
Required compone			
F15255_HEKLA	-SOCKET-C		330
			30° 000 30°
bridgelux.			50° A 50°
bridgelux.	V9 HD Gen7		9 ²
LED	V9 HD Gen7 27.0° / 48.0°		72
LED FWHM / FWTM	V9 HD Gen7 27.0° / 48.0° 86 %		90° 90°
LED FWHM / FWTM Efficiency	27.0° / 48.0° 86 %		72
LED FWHM / FWTM Efficiency Peak intensity	27.0° / 48.0°		72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	27.0° / 48.0° 86 % 3.3 cd/lm		73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 48.0° 86 % 3.3 cd/lm 1 White		77. 000 60* 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts:		79. 60 60 5057 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts:		79. 60 60 5057 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts:		79. 60 60 5057 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I		79. 60 60 5057 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I N CLL02x/CLU02x (LES10)		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA CITTIZE LED FWHM / FWTM	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I N CLL02x/CLU02x (LES10) 28.0° / 51.0°		72 60 72 60* 60* 60* 9* 53% 53% 9* 53% 53%
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA CITTIZE LED FWHM / FWTM Efficiency	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I N CLL02x/CLU02x (LES10) 28.0° / 51.0° 86 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA CITTIZE LED FWHM / FWTM Efficiency Peak intensity	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	27.0° / 48.0° 86 % 3.3 cd/lm 1 White nts: -SOCKET-I		



CITIZE	N	90° 90'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU700/701/702/703 25.0° / 43.0° 88 % 3.9 cd/lm 1 White hts:	20 20 20 20 20 20 20 20 20 20
CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA		99 ⁴ 99 ⁴ 99 ⁴ 99 ⁴ 99 ⁴ 99 ⁴ 99 ⁴ 90 ⁴ 9
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA		
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.360.102		



COMIL	EDS	50*
LED	LUXEON CoB 1202/1203	
FWHM / FWTM	27.0° / 49.0°	79
Efficiency	85 %	
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
F17437_HEKLA	-G2-H	200
		\times / \setminus / \times
		304 305 30
	FDS	
		80° 50
	LUXEON CoB 1202s	13:
FWHM / FWTM	26.0° / 44.0° 89 %	
Efficiency		60*
Peak intensity LEDs/each optic	3.8 cd/lm 1	
LEDS/each oplic	ı White	
-		
Required compone F15848_HEKLA		
		30 ⁴ 4000 30 25 ⁵ 0 ⁴ 15 ⁵
UMIL	EDS	59*
		90* 90
	EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0°	90 ⁴
LED	LUXEON CX Plus CoB M02 / M03 (Gen2)	
LED FWHM / FWTM	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0°	
LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White ents: -SOCKET-D	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White ents: -SOCKET-D	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White white SOCKET-D LUXEON CX Plus CoB S01 (Gen2)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White ents: -SOCKET-D LUXEON CX Plus CoB S01 (Gen2) 26.0° / 44.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White ents: -SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 26.0° / 44.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White ents: -SOCKET-D LUXEON CX Plus CoB S01 (Gen2) 26.0° / 44.0° 90 % 4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White ents: -SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 26.0° / 44.0° 90 % 4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White ents: -SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 26.0° / 44.0° 90 % 4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White white SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 26.0° / 44.0° 90 % 4 cd/lm 1 White mts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White white SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 26.0° / 44.0° 90 % 4 cd/lm 1 White mts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	LUXEON CX Plus CoB M02 / M03 (Gen2) 27.0° / 49.0° 89 % 3.3 cd/lm 1 White white SOCKET-D EDS LUXEON CX Plus CoB S01 (Gen2) 26.0° / 44.0° 90 % 4 cd/lm 1 White mts:	



	NUS	20 ⁴ 20 ³
LED	CxM-6 (13.5x13.5)	
FWHM / FWTM	25.0° / 44.0°	
Efficiency	88 %	
Peak intensity	3.9 cd/lm	60 ⁴
LEDs/each optic	1	
Light colour	White	ar <u>340</u> ar
Required compone		
F17435_HEKLA		322
		30" 2000 30
	NUS	
LED	CxM-9 (13.5x13.5)	
FWHM / FWTM	28.0° / 50.0°	73
Efficiency	86 %	
Peak intensity	3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
F17435_HEKLA		200
		27 <u>200</u>
		90,9
LED	COB S-Type (LES 7)	24°
		90 95 90 90 90
LED FWHM / FWTM	COB S-Type (LES 7)	
LED FWHM / FWTM Efficiency Peak intensity	COB S-Type (LES 7) 26.0° / 45.0°	95 ⁴ 92 95 95 96 96 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	COB S-Type (LES 7) 26.0° / 45.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts:	
LED	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G COB T-Type 25.0° / 43.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G COB T-Type 25.0° / 43.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G COB T-Type 25.0° / 43.0° 90 % 4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G COB T-Type 25.0° / 43.0° 90 % 4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G COB T-Type 25.0° / 43.0° 90 % 4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G COB T-Type 25.0° / 43.0° 90 % 4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	COB S-Type (LES 7) 26.0° / 45.0° 89 % 3.7 cd/lm 1 White nts: -SOCKET-G COB T-Type 25.0° / 43.0° 90 % 4 cd/lm 1 White nts:	



SΛΜSι	JNG	90*
LED	LC003D / LC006D / LC009D / LC013D	
FWHM / FWTM	28.0° / 52.0°	
Efficiency	95 %	
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	
Light colour	White	g
Required compone	nts:	
		200
		\times / \setminus λ
		3)* 2200
		201 - 201 -
SEOUL SEMICONDUCTOR		90 ⁴
LED	MJT COB LES 6	
FWHM / FWTM	25.0° / 43.0°	
Efficiency	88 %	
Peak intensity	3.9 cd/lm	
LEDs/each optic	1	
Light colour	White	¢*
Required compone	nts:	
F17435_HEKLA	-G2-C	200
		\times / \times / \times
		30*
		125 ¹ 40
SEOUL SEMICONDUCTOR		w [*]
LED	MJT COB LES 9.8	
FWHM / FWTM	28.0° / 51.0°	
Efficiency	86 %	60
Peak intensity	3 cd/lm	\sim
LEDs/each optic	1	
Light colour	White	gr.
Required compone	nts:	
F17435_HEKLA	-G2-C	



OPTICAL RESULTS (SIMULATED):

CITIZEN	J	90*
LED	CLU712/713	27
FWHM / FWTM	26.0° / 48.0°	
Efficiency	93 %	
Peak intensity	3.6 cd/lm	100
LEDs/each optic	1	
Light colour	White	5° 6°
Required component	5:	200
F17438_HEKLA-0	2-I	
		220
		34 36
		27 <u>26</u> 25 ⁷ 59 ⁴ 39 ⁵
LED	CMA1825	
FWHM / FWTM	29.0° / 59.0°	72 7
Efficiency	90 %	
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	9 ¹⁴ 400
Required component	5:	
F15254_HEKLA-S	OCKET-B	
		1200



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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