

AMY-50-RS-C

~15° spot beam with tight cutoff. Assembly with holder C compatible with LEDiL HEKLA. Black version.

SPECIFICATION:

Dimensions	Ø 49.9 mm
Height	13 mm
ROHS compliant	yes 🛈



MATERIALS:

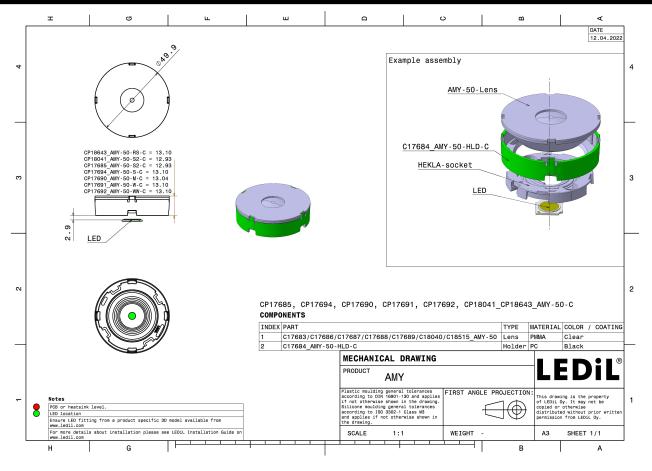
Component	Туре	Material	Colour	Finish
AMY-50-RS	Single lens	PMMA	clear	
AMY-50-HLD-C	Holder	PC	black	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP18643_AMY-50-RS-C	510	120	30	9.1
» Box size: 480 x 280 x 300 mm				



PRODUCT DATASHEET CP18643_AMY-50-RS-C



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



OPTICAL RESULTS (MEASURED):

OTTION		
CITIZE	N	90*
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	17.0° / 31.0°	
Efficiency	85 %	
Peak intensity	5.1 cd/lm	
LEDs/each optic	1	
Light colour	White	gr 2200
Required compone	ents:	
F17435_HEKLA	A-G2-C	
		400
		300
		135° 0 ⁴ 13°
OTTTTT	N T	
CITIZE	N	90* 90*
	N CLU700/701/702/703	
		90° 72° 72°
LED	CLU700/701/702/703	
LED FWHM / FWTM	CLU700/701/702/703 11.0° / 19.0°	37
LED FWHM / FWTM Efficiency	CLU700/701/702/703 11.0° / 19.0° 87 %	37
LED FWHM / FWTM Efficiency Peak intensity	CLU700/701/702/703 11.0° / 19.0° 87 % 11.9 cd/lm	37
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLU700/701/702/703 11.0° / 19.0° 87 % 11.9 cd/lm 1 White	27°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLU700/701/702/703 11.0° / 19.0° 87 % 11.9 cd/lm 1 White ents:	27°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CLU700/701/702/703 11.0° / 19.0° 87 % 11.9 cd/lm 1 White ents:	97°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CLU700/701/702/703 11.0° / 19.0° 87 % 11.9 cd/lm 1 White ents:	77°



OPTICAL RESULTS (SIMULATED):

bridgelux.		50°
LED	V3 HD Gen 8	75.
FWHM / FWTM	8.0° / 15.0 + 16.0°	
Efficiency	89 %	60°
Peak intensity	20.9 cd/lm	
LEDs/each optic	1	
Light colour	White	63° 63°
Required components:		
F15253_HEKLA-SO	CKET-A	
		100
		36° 35°
bridgelux.		50* 50*
LED	V4 HD Gen 7	24*
FWHM / FWTM	8.0° / 16.0°	
Efficiency	87 %	60e 600 are
Peak intensity	19.2 cd/lm	
LEDs/each optic	1	
Light colour	White	43° 43°
Required components:		
F15253_HEKLA-SO	CKET-A	
		36° 13°00 36° 36°
bridgelux.		50* B
bridgelux. LED	V4 HD Gen 8	39°
	V4 HD Gen 8 8.0° / 16.0°	31. 34. 36.
LED		21 21 21 22 22 22
LED FWHM / FWTM	8.0° / 16.0°	51 ⁴ 000 00 ⁴
LED FWHM / FWTM Efficiency	8.0° / 16.0° 87 %	51 ⁴ 600 60 ⁴
LED FWHM / FWTM Efficiency Peak intensity	8.0° / 16.0° 87 % 18.6 cd/lm	c. x, x, x, x, x, x, x, x, x, x,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 16.0° 87 % 18.6 cd/lm 1 White	G. M. M. M. M. M. M. M. M. M. M. M. M. M.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	8.0° / 16.0° 87 % 18.6 cd/lm 1 White	6. 6. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 16.0° 87 % 18.6 cd/lm 1 White	5. 100 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 16.0° 87 % 18.6 cd/lm 1 White	22. 24. 20. 20. 20. 20. 20. 20. 20. 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 16.0° 87 % 18.6 cd/lm 1 White	5° 1000 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15253_HEKLA-SO(8.0° / 16.0° 87 % 18.6 cd/lm 1 White	264 204 264 204 264 204 264 204
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15253_HEKLA-SOG	8.0° / 16.0° 87 % 18.6 cd/lm 1 White CKET-A	30 ⁴ 10 ⁵ 10 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15253_HEKLA-SOG	8.0° / 16.0° 87 % 18.6 cd/lm 1 White CKET-A	264 204 264 204 264 204 264 204
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15253_HEKLA-SOO	8.0° / 16.0° 87 % 18.6 cd/lm 1 White CKET-A V6 HD Gen 7 10.0° / 20.0°	264 204 264 204 264 204 264 204
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15253_HEKLA-SOO bridgeLux. LED FWHM / FWTM Efficiency	8.0° / 16.0° 87 % 18.6 cd/lm 1 White CKET-A V6 HD Gen 7 10.0° / 20.0° 86 %	264 204 264 204 264 204 264 204
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15253_HEKLA-SOO bridgelux. LED FWHM / FWTM Efficiency Peak intensity	8.0° / 16.0° 87 % 18.6 cd/lm 1 White CKET-A V6 HD Gen 7 10.0° / 20.0° 86 % 12.5 cd/lm	264 204 264 204 264 204 264 204
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15253_HEKLA-SOO bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	8.0° / 16.0° 87 % 18.6 cd/lm 1 White CKET-A V6 HD Gen 7 10.0° / 20.0° 86 % 12.5 cd/lm 1	500 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15253_HEKLA-SOO bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	8.0° / 16.0° 87 % 18.6 cd/lm 1 White CKET-A V6 HD Gen 7 10.0° / 20.0° 86 % 12.5 cd/lm 1 White	500 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15253_HEKLA-SOC bridgeLux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 16.0° 87 % 18.6 cd/lm 1 White CKET-A V6 HD Gen 7 10.0° / 20.0° 86 % 12.5 cd/lm 1 White	500 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15253_HEKLA-SOC bridgeLux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 16.0° 87 % 18.6 cd/lm 1 White CKET-A V6 HD Gen 7 10.0° / 20.0° 86 % 12.5 cd/lm 1 White	500 50 50 50 50 50 50 50 50 50



OPTICAL RESULTS (SIMULATED):

bridgelux.		50° 50°
LED	VERO13	75'
FWHM / FWTM	22.0° / 42.0°	
Efficiency	87 %	60* 60*
Peak intensity	3.4 cd/lm	
LEDs/each optic	1	
Light colour	White	42* 42*
Required components:		- 000
C16142_HEKLA-SO	CKET-K	\times / \times
		3230
		30° 15° 0° 15°
bridgelux.		90* 90*
LED	Vesta DTW 6mm	
FWHM / FWTM	12.0° / 22.0°	70
Efficiency	88 %	
Peak intensity	9.3 cd/lm	80 ¹¹
LEDs/each optic	1	$ \times / / \wedge \times $
Light colour	White	42. 42.
Required components:		6130
Bender Wirth: 652b H	lekla	
		30° 30° 30° 30°
CITIZEN		90°
CITIZEN	CLL03x/CLU03x	<u>99*</u>
	CLL03x/CLU03x 26.0° / 49.0°	34 35 36 36
LED		99* 99* 99* 900 900 90*
LED FWHM / FWTM	26.0° / 49.0°	60 ⁴ 90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency	26.0° / 49.0° 83 %	69* 000 60* 73* 000 000
LED FWHM / FWTM Efficiency Peak intensity	26.0° / 49.0° 83 % 2.6 cd/lm	gr 300 60° 30° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	26.0° / 49.0° 83 % 2.6 cd/lm 1	g. 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 49.0° 83 % 2.6 cd/lm 1	6. 6. 6. 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 49.0° 83 % 2.6 cd/lm 1	5° 5° 60° 80° 80° 80° 80° 80° 80° 80° 80° 80° 8
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 49.0° 83 % 2.6 cd/lm 1	30° 50° 50° 50° 50° 50° 50° 50° 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	26.0° / 49.0° 83 % 2.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	26.0° / 49.0° 83 % 2.6 cd/lm 1 White	39.4 30.4 39.4 30.4 39.4 30.4 39.4 30.4 39.4 30.4 39.4 30.4 39.4 30.4 39.4 30.4 39.4 30.4 39.4 30.4 39.4 30.4
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED	26.0° / 49.0° 83 % 2.6 cd/lm 1 White	32 22 24 36 200 26 60 90 65 35 90 95 36 200 95 90 90 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM	26.0° / 49.0° 83 % 2.6 cd/lm 1 White CLU7B2 8.0° / 14.0°	22 24 26 26 26 26 26 26 26 26 26 26
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency	26.0° / 49.0° 83 % 2.6 cd/lm 1 White CLU7B2 8.0° / 14.0° 84 %	99* 90* 90* 99* 90* 90* 99* 90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity	26.0° / 49.0° 83 % 2.6 cd/lm 1 White CLU7B2 8.0° / 14.0° 84 % 21.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	26.0° / 49.0° 83 % 2.6 cd/lm 1 White CLU7B2 8.0° / 14.0° 84 % 21.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 49.0° 83 % 2.6 cd/lm 1 White CLU7B2 8.0° / 14.0° 84 % 21.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	26.0° / 49.0° 83 % 2.6 cd/lm 1 White CLU7B2 8.0° / 14.0° 84 % 21.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 49.0° 83 % 2.6 cd/lm 1 White CLU7B2 8.0° / 14.0° 84 % 21.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	26.0° / 49.0° 83 % 2.6 cd/lm 1 White CLU7B2 8.0° / 14.0° 84 % 21.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	26.0° / 49.0° 83 % 2.6 cd/lm 1 White CLU7B2 8.0° / 14.0° 84 % 21.7 cd/lm 1 White	



OPTICAL RESULTS (SIMULATED):

CREE LED	CMA1516 15.0° / 29.0° 86 % 6.1 cd/lm 1 White s:	
	DS	50*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F15858_HEKLA-S	LUXEON CoB 1204HD 16.0° / 30.0° 87 % 5.8 cd/lm 1 White S:	
Μ ΝΙCΗΙΛ		90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component: Bender Wirth: 652		



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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