

AMY-110-WW

~60° wide beam

SPECIFICATION:

Dimensions	Ø 109.7
Height	17.1 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIALS:

Component AMY-110-WW AMY-110-HLD-C AMY-110-HLD-B AMY-110-HLD-C-WHT AMY-110-HLD-B-WHT

Туре	Material	Colour	Finish	Length (mm)
Single lens	PMMA	clear		
Holder C	PC	black		
Holder B	PC	black		
Holder C	PC	white		
Holder B	PC	white		

PRODUCT DATASHEET AMY-110-WW

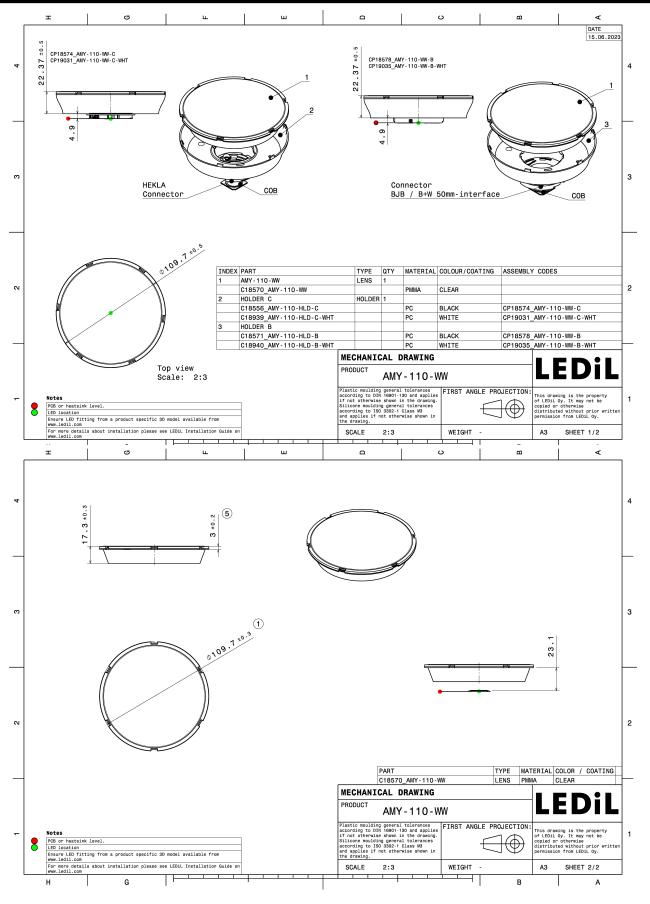


ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18570_AMY-110-WW	128	128	8	12.1
Assembly				
CP19035_AMY-110-WW-B-WHT	77	77	7	9.3
CP19031_AMY-110-WW-C-WHT	77	77	7	9.3
CP18578_AMY-110-WW-B	77	77	7	9.4
CP18574_AMY-110-WW-C	77	77	7	9.3



PRODUCT DATASHEET AMY-110-WW

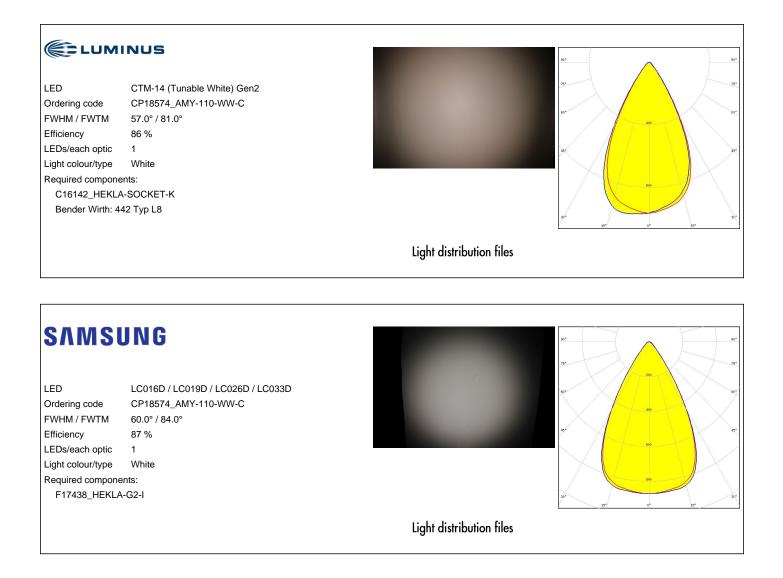


See also our general installation guide: www.ledil.com/installation_guide

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OPTICAL RESULTS (MEASURED):





		Light distribution files	
F15859_HEKLA-S			34 ⁶ 25 ⁵ 0 ⁶ 25 ⁵
Required components			
Light colour/type	White		
LEDs/each optic	1		
Efficiency Peak intensity	88 % 1 cd/lm		ø.
FWHM / FWTM	57.0° / 80.0°		
Ordering code	CP18574_AMY-110-WW-C		60*
LED	V13 Gen 8-9		
			75
bridgelux.			20 ⁴
		Light distribution files	
F15859_HEKLA-S0	DCKET-I		30" 23" 23"
Required components			
Light colour/type	White		
LEDs/each optic	1		
Peak intensity	1.1 cd/lm		60°
Efficiency	88 %		$ \times / $
FWHM / FWTM	55.0° / 78.0°		
Ordering code	CP18574_AMY-110-WW-C		69.6
LED	V11 HD Gen 8		
bridgelux.			85 ⁴
F15255_HEKLA-S	JCKE I-C	Light distribution files	
Required components			36° <u>1250</u> 13° 0° 13°
Light colour/type	White		
LEDs/each optic	1		
Peak intensity	1.2 cd/lm		
Efficiency	89 %		
FWHM / FWTM	53.0° / 78.0°		
Ordering code	CP18574_AMY-110-WW-C		
LED	V10 Gen 8-9		605 400

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bridgelux.			50°
			75
LED	V18 Gen 8-9		
Ordering code	CP18574_AMY-110-WW-C		60×
FWHM / FWTM	60.0° / 84.0°		400
Efficiency	82 %		994
Peak intensity	0.9 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required component C16142_HEKLA-S			300
			15 ⁵ 0 ⁶ 15 ⁵
		Light distribution files	
Bender Wirth: 462	Тур L8		
bridgelux.			90*
0			
			75
LED	V22 Gen 8-9		
Ordering code	CP18574_AMY-110-WW-C		6°* X
FWHM / FWTM	60.0° / 85.0°		
Efficiency	79 %		<u>z</u>
Peak intensity	0.8 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required component	S:		
			30°
Bender Wirth: 631	b Hekla XL	Light distribution files	
			7
brídgelux.			50°
LED	V8 Gen 8-9		73
Ordering code	CP18574_AMY-110-WW-C		605
FWHM / FWTM	50.0° / 75.0°		
Efficiency	89 %		
Peak intensity	1.3 cd/lm		97 000
LEDs/each optic	1		
Light colour/type	White		
Required component			
F15253_HEKLA-S			30° 15° 0° 15°
		Light distribution files	

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bridgelux LED V9 HD Gen 8 CP18574_AMY-110-WW-C Ordering code FWHM / FWTM 53.0° / 77.0° Efficiency 88 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour/type White Required components: F15859_HEKLA-SOCKET-I Light distribution files bridgelux LED Vero SE 29 CP19031_AMY-110-WW-C-WHT Ordering code FWHM / FWTM 63.0° / 95.0° Efficiency 86 % Peak intensity 0.7 cd/lm LEDs/each optic 1 White Light colour/type Required components: Light distribution files bridgelux LED Vero SE 29 Ordering code CP18574_AMY-110-WW-C FWHM / FWTM 62.0° / 88.0° Efficiency 76 % Peak intensity 0.7 cd/lm LEDs/each optic 1 White Light colour/type Required components: Light distribution files Last update: 24/04/2025 Subject to change without prior notice Published: 18/07/2024

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bridgelux. LED VERO13 CP18574_AMY-110-WW-C Ordering code FWHM / FWTM 58.0° / 82.0° Efficiency 89 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour/type White Required components: C16142_HEKLA-SOCKET-K Light distribution files bridgelux VFRO18 LED CP18574_AMY-110-WW-C Ordering code FWHM / FWTM 64.0° / 86.0° Efficiency 87 % Peak intensity 0.8 cd/lm LEDs/each optic 1 White Light colour/type Required components: C16142_HEKLA-SOCKET-K Light distribution files bridgelux Vesta DTW 13mm (21W) LED Ordering code CP18574_AMY-110-WW-C FWHM / FWTM 51.0° / 76.0° Efficiency 89 % 1.2 cd/lm Peak intensity LEDs/each optic 1 White Light colour/type Required components: Light distribution files Bender Wirth: 632b Hekla XL

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Bender Wirth: 483	Тур L8		
		Light distribution files	
C16142_HEKLA-SC	OCKET-K		30° 15° 0° 15°
Required components			
Light colour/type	White		
LEDs/each optic	1		
Peak intensity	0.9 cd/lm		⁶⁰ (60)
Efficiency	82 %		
FWHM / FWTM	59.0° / 82.0°		
Ordering code	CP18574_AMY-110-WW-C		Eds.
_ED	Vesta TW 18mm (31W) DP		200
Judge <mark>lux.</mark>			77
oridgelux.			**
		Light distribution files	
C16142_HEKLA-SO	OCKET-K		36 ⁴ 10 ⁴
Required components			1200
Light colour/type	Tunable White		
LEDs/each optic	1		
Peak intensity	1.2 cd/lm		
Efficiency	83 %		
FWHM / FWTM	50.0° / 74.0°		
Ordering code	CP18574_AMY-110-WW-C		ee*
LED	Vesta SE 13mm TW		
			23.
oridgelux.			86*
Bender Wirth: 652b	Hekla	Light distribution files	
		the last design of the	30°
Required components			12
Light colour/type	White		
LEDs/each optic	1		
Peak intensity	1.2 cd/lm		
Efficiency	89 %		ar.
FWHM / FWTM	51.0° / 76.0°		
Ordering code	CP18574_AMY-110-WW-C		60°
LED	Vesta DTW 9mm (4W/6W/12W)		
			73.

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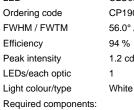


		Light distribution files	
CITTIZEN LED Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: F17438_HEKLA-G2-I	CLU03x CP18574_AMY-110-WW-C 56.0° / 80.0° 87 % 1.1 cd/lm 1 White		50° 79° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60
		Light distribution files	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: F17438_HEKLA-G2-I	57.0° / 81.0° 94 % 1.1 cd/lm 1 White		
CITIZEN LED Drdering code	CLU03x CP19031_AMY-110-WW-C-WHT		39°
Bender Wirth: 489 Ty	p L8		
C16142_HEKLA-SOC	CKET-K	Light distribution files	30° 0° 10°
EDs/each optic .ight colour/type Required components:	1 White		60
Efficiency Peak intensity	89 % 1 cd/lm		5 7
ED Ordering code WHM / FWTM	Vesta TW 9mm (9W) DP CP18574_AMY-110-WW-C 58.0° / 82.0°		64
oridgelux.			34

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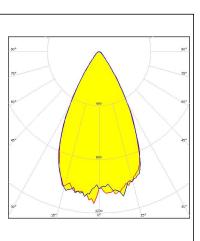


CITIZEN LED CLU03x CP18578_AMY-110-WW-B Ordering code FWHM / FWTM 56.0° / 78.0° Efficiency 89 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files BJB: 47.319.2021 **CITIZEN** LED CI U03x

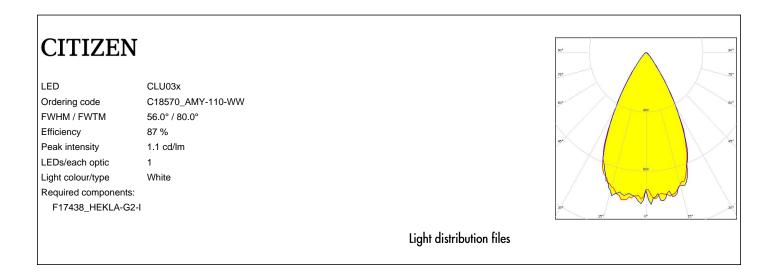


CLU03x CP19035_AMY-110-WW-B-WHT 56.0° / 80.0° 94 % 1.2 cd/lm 1 White

BJB: 47.319.2021



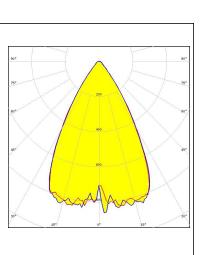
Light distribution files



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CITIZEN LED CLU04x CP18578_AMY-110-WW-B Ordering code FWHM / FWTM 60.0° / 83.0° Efficiency 85 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour/type White Required components: BJB: 47.319.2030 CI U04x

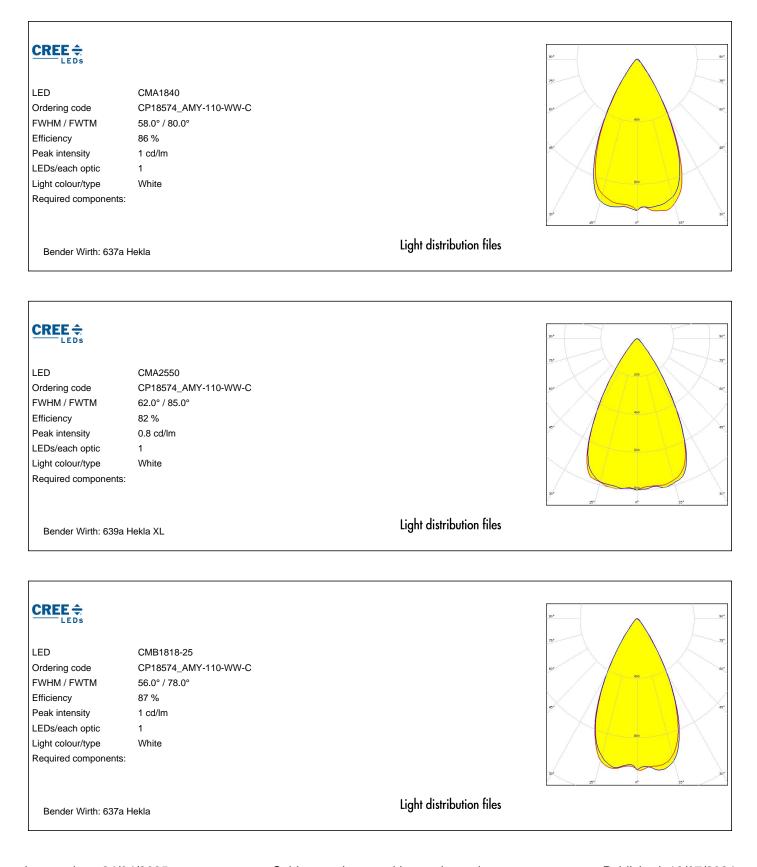


Light distribution files

CITIZEN LED CP19035_AMY-110-WW-B-WHT Ordering code FWHM / FWTM 60.0° / 85.0° Efficiency 93 % Peak intensity 1 cd/lm LEDs/each optic 1 White Light colour/type Required components: Light distribution files BJB: 47.319.2030 **CITIZEN** LED CLU04x Ordering code C18570_AMY-110-WW FWHM / FWTM 60.0° / 83.0° Efficiency 85 % 0.9 cd/lm Peak intensity LEDs/each optic 1 White Light colour/type Required components: Light distribution files BJB: 47.319.2030

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LED CMU22xx CP18574_AMY-110-WW-C Ordering code FWHM / FWTM 64.0° / 88.0° Efficiency 77 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Bender Wirth: 631b Hekla XL LUMILEDS LUXEON CX Plus CoB L08 (Gen2) LED CP18574_AMY-110-WW-C Ordering code FWHM / FWTM 56.0° / 80.0° Efficiency 88 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Bender Wirth: 637a Hekla LUXEON CoB 1204/1205 LED Ordering code CP18574_AMY-110-WW-C FWHM / FWTM 56.0° / 78.0° Efficiency 89 % Peak intensity 1.1 cd/lm LEDs/each optic 1 White Light colour/type Required components: Light distribution files Bender Wirth: 632a Hekla XL

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LUMILEDS LED LUXEON CoB 1208 Ordering code CP18574_AMY-110-WW-C FWHM / FWTM 56.0° / 80.0° Efficiency 88 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Bender Wirth: 632a Hekla XL LUMILEDS LUXEON CoB 1211 LED CP18574_AMY-110-WW-C Ordering code FWHM / FWTM 62.0° / 86.0° Efficiency 86 % Peak intensity 0.9 cd/lm LEDs/each optic 1 White Light colour/type Required components: Light distribution files Bender Wirth: 631b Hekla XL LUXEON CoB 1213/1216/1812 LED Ordering code CP18574_AMY-110-WW-C FWHM / FWTM 68.0° / 92.0° Efficiency 79 %

Bender Wirth: 631b Hekla XL

Peak intensity LEDs/each optic

Light colour/type Required components: 0.7 cd/lm

1 White

Light distribution files

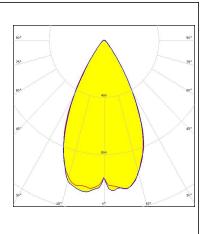
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UMILEDS

LED	LUXEO
Ordering code	CP1857
FWHM / FWTM	55.0° / 7
Efficiency	88 %
Peak intensity	1.1 cd/lr
LEDs/each optic	1
Light colour/type	White
Required components:	
F15254_HEKLA-SOC	KET-B

LUXEON CX Plus CoB L04 / L05 (Gen2) CP18574_AMY-110-WW-C 55.0° / 78.0° 38 % 1.1 cd/lm 1 White



Light distribution files

ΜΝΙCΗΙΛ LED COB J-Type CP18574_AMY-110-WW-C Ordering code FWHM / FWTM 55.0° / 80.0° Efficiency 88 % Peak intensity 1.1 cd/lm LEDs/each optic 1 White Light colour/type Required components: Light distribution files Bender Wirth: 663a Hekla XL

SAMSUN	IG		9)* 92* 72* 75*
LED	LC016D / LC019D / LC026D / LC033D		
Ordering code	CP18578_AMY-110-WW-B		60° 60°
FWHM / FWTM	56.0° / 79.0°		
Efficiency	88 %		
Peak intensity	1.1 cd/lm		63°
LEDs/each optic	1		000
Light colour/type	White		
Required components:			Dody Vand
			30° 15° 0° 15° 30°
BJB: 47.319.2021		Light distribution files	

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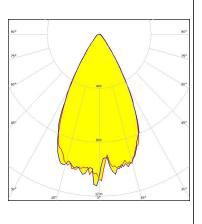


SAMSUNG

I FD Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:

BJB: 47.319.2021

LC016D / LC019D / LC026D / LC033D CP19035_AMY-110-WW-B-WHT 56.0° / 80.0° 94 % 1.1 cd/lm 1 White

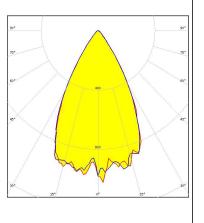


Light distribution files

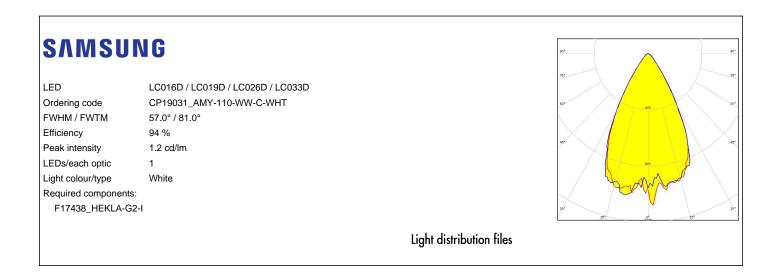
SAMSUNG

I FD Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: F17438_HEKLA-G2-I

LC016D / LC019D / LC026D / LC033D C18570_AMY-110-WW 57.0° / 80.0° 87 % 1.1 cd/lm 1 White



Light distribution files



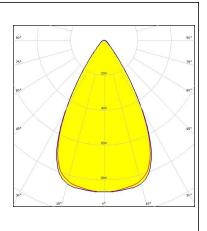
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SAMSUNG

I FD Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: F17438_HEKLA-G2-I

LC016D / LC019D / LC026D / LC033D CP18574_AMY-110-WW-C 58.0° / 80.0° 87 % 1.1 cd/lm 1 White



Light distribution files

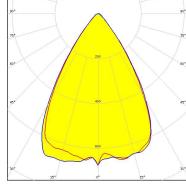
SAMSUNG LC020T (Tunable white) I FD CP18574_AMY-110-WW-C Ordering code FWHM / FWTM 54.0° / 78.0° Efficiency 88 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour/type Tunable White Required components: C16142_HEKLA-SOCKET-K Light distribution files Bender Wirth: 501 Typ L8 SAMSUNG

LED Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:

Bender Wirth: 631b Hekla XL

1

LC040D / LC060D / LC080D CP18574_AMY-110-WW-C 66.0° / 90.0° 78 % 0.7 cd/lm White



Light distribution files

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SEOUL SEMICONDUCTOR			59 ⁴
LED	MJT COB LES 14.5		25
Ordering code	CP18574_AMY-110-WW-C		60*
FWHM / FWTM	56.0° / 80.0°		400
Efficiency	88 %		
Peak intensity	1 cd/lm		æ*
LEDs/each optic	1		
Light colour/type	White		
Required components:			
F15859_HEKLA-SO	CKET-I		30° 0° 15°
		Light distribution files	
SEOUL SEOUL SEMICONDUCTOR			50°
LED	MJT COB LES 22		
Ordering code	CP18578_AMY-110-WW-B		60%
FWHM / FWTM	61.0° / 84.0°		
Efficiency	87 %		
Peak intensity	0.9 cd/lm		934
LEDs/each optic	1		
Light colour/type	White		
Required components:			30 137 07 137
BJB: 47.319.2030		Light distribution files	
TRIDONI	C		9984
LED	SLE 21mm 6000lm xxx R ADV8		
Ordering code	CP18574_AMY-110-WW-C		50Å*
FWHM / FWTM	65.0° / 88.0°		
Efficiency	80 %		400
Peak intensity	0.7 cd/lm		est.
LEDs/each optic	1		
Light colour/type	White		
Required components:			344
			100 00 100

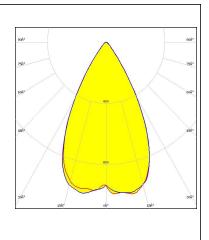
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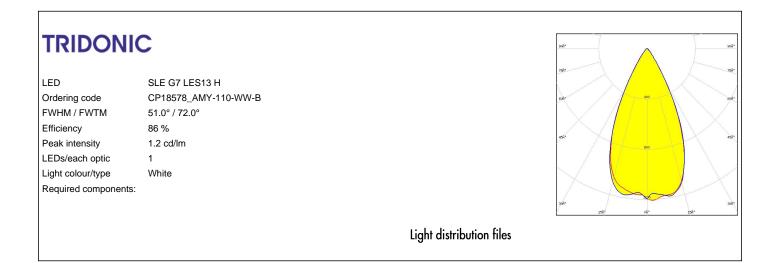
TRIDONIC

LED Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: F17438_HEKLA-G2-I

SLE G7 LES13 CP18574_AMY-110-WW-C 57.0° / 79.0° 87 % 1 cd/lm 1 White



Light distribution files





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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