

PRODUCT DATASHEET AMY-50-S2

AMY-50-S2

~15° spot beam with soft cutoff

SPECIFICATION:

Dimensions	Ø 49.9
Height	10.8 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIALS:

Component
AMY-50-S2
AMY-50-HLD2-C
AMY-50-HLD2-B
AMY-50-HLD2-C-WHT
AMY-50-HLD2-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		

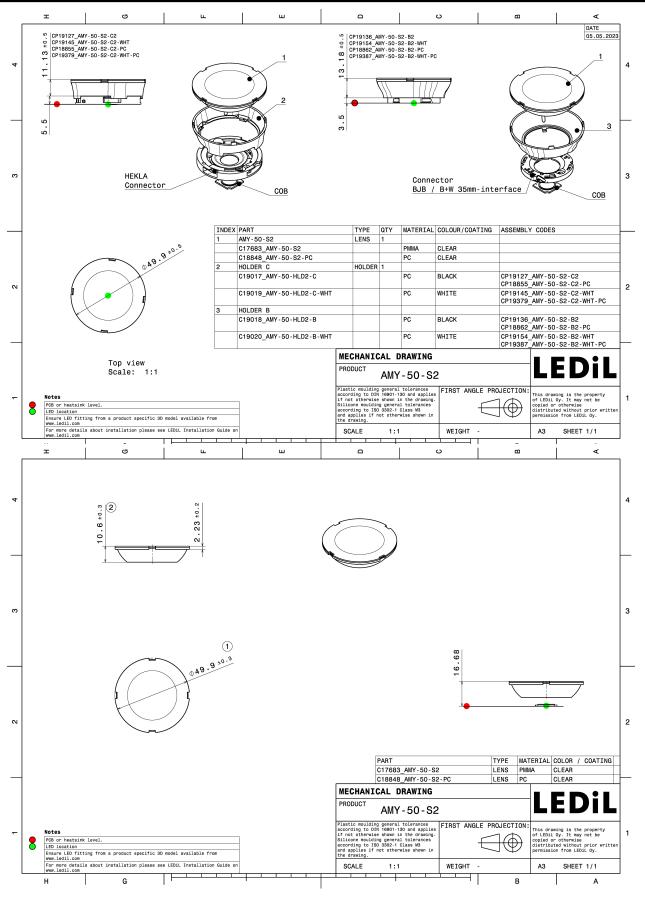


ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18040_AMY-50-S2	690	120	30	9.1
Assembly				
CP19154_AMY-50-S2-B2-WHT	510	120	30	8.5
CP19145_AMY-50-S2-C2-WHT	510	120	30	8.1
CP19136_AMY-50-S2-B2	510	120	30	8.5
CP19127_AMY-50-S2-C2	510	120	30	8.1



PRODUCT DATASHEET AMY-50-S2



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

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LED V10 Gen 8-9 Ordering code CP19127_AMY-50-S2-C2 FWHM / FWTM 16.0° / 42.0° Efficiency 90 % LEDs/each optic 1 Light colour/type White Required components: F15255_HEKLA-SOCKET-C	Light distribution files
Ordering code CP19127_AMY-50-S2-C2 FWHM / FWTM 16.0° / 42.0° Efficiency 90 % LEDs/each optic 1 Light colour/type White Required components: F15255_HEKLA-SOCKET-C	32, 6, 32,
FWHM / FWTM 16.0° / 42.0° Efficiency 90 % LEDs/each optic 1 Light colour/type White Required components: F15255_HEKLA-SOCKET-C	32, 6, 32,
Efficiency 90 % LEDs/each optic 1 Light colour/type White Required components: F15255_HEKLA-SOCKET-C	32, 6, 32,
Light colour/type White Required components: F15255_HEKLA-SOCKET-C	32, 6, 32,
Required components: F15255_HEKLA-SOCKET-C	32, 6, 32,
F15255_HEKLA-SOCKET-C	Light distribution files
	Light distribution files
bridgelux.	
bridgelux	
	50°
LED V11 HD Gen 8	
Ordering code CP19127_AMY-50-S2-C2	
FWHM / FWTM 19.0° / 47.0°	
Efficiency 91 %	
LEDs/each optic 1	324
Light colour/type White	
Required components:	
Bender Wirth: 633d Hekla	32, 04 32.
	Light distribution files

bridgelux.				50° 50°
LED Ordering code FWHM / FWTM Efficiency	V13 Gen 8-9 CP19127_AMY-50-S2-C2 26.0° / 61.0° 89 %			çı (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
LEDs/each optic Light colour/type Required compone F15859_HEKLA	1 White Ints:			30° 2000 2000 2000 2000 2000
		Light distri	bution files	

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LED Ordering code FWHM / FWTM Efficiency LEDs/each optic Light colour/type Required compone F15253_HEKLA	
	Light distribution files
bridgelux	×*
LED Ordering code FWHM / FWTM Efficiency LEDs/each optic Light colour/type Required compone C16142_HEKL/	91 17 17 17 17 10 10 10 10

bridgelux.			90 [*] 97 [*]
LED Ordering code FWHM / FWTM Efficiency LEDs/each optic	Vesta DTW 15mm (33W) CP19127_AMY-50-S2-C2 23.0° / 57.0° 87 % 1		60° 60° 60° 60°
Light colour/type	White		
Required compone	ents:		200
C16142_HEKLA	A-SOCKET-K		30-
Bender Wirth: 49	91 Typ L8		15% 0 ⁶ 25 ⁹
		Light distribution files	5

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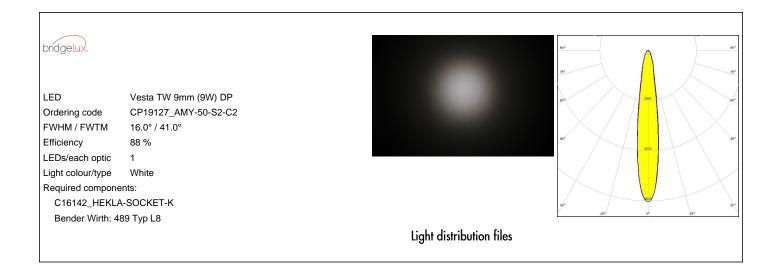


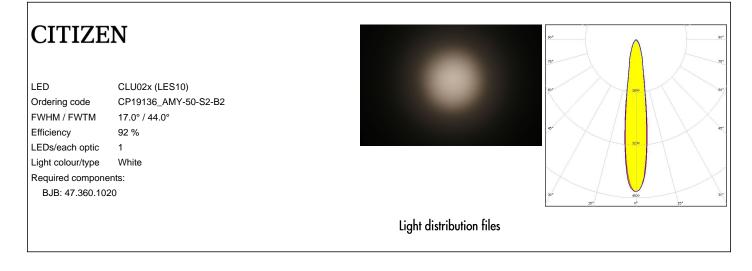
		Light distribution files	S
Bender Wirth: 48			/ ²⁷ 15 ⁵ 0 ⁶ 15 ⁵
Required compone C16142_HEKLA			
ight colour/type	White		
EDs/each optic	1		1500
Efficiency	87 %		
FWHM / FWTM	29.0° / 65.0°		
Drdering code	CP19127_AMY-50-S2-C2		9°°
_ED	Vesta TW 15mm DP		
		and the second second	73
oridgelux.			50×
		Light distribution file:	S
Bender Wirth: 49	92 Тур L8		4157 0" 358
C16142_HEKLA			30°
Required compone			200
_ight colour/type	White		
_EDs/each optic	1		
FWHM / FWTM Efficiency	24.0° / 58.0° 87 %		97 1500
Ordering code	CP19127_AMY-50-S2-C2		
.ED	Vesta TW 13mm (18W) DP		27 gr
pridgelux.			

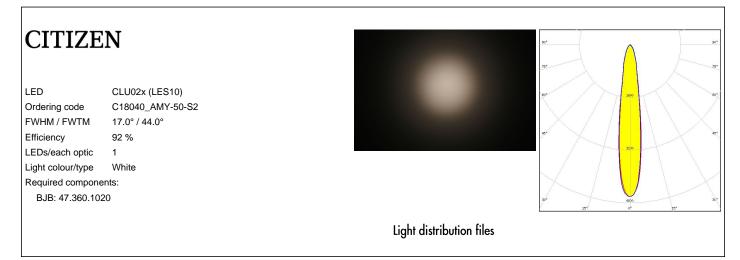
bridgelux.			90*	90*
			75*	
LED	Vesta TW 6mm DP		50°	60.
Ordering code	CP19127_AMY-50-S2-C2		~ 14	
FWHM / FWTM	12.0° / 29.0°			
Efficiency	88 %		434	800
LEDs/each optic	1			
Light colour/type	White			430
Required compone	ents:		\times /	
C16142_HEKLA	A-SOCKET-K		30*	300
Bender Wirth: 50	04 Typ L8		15%	15,
		Light distribution files		

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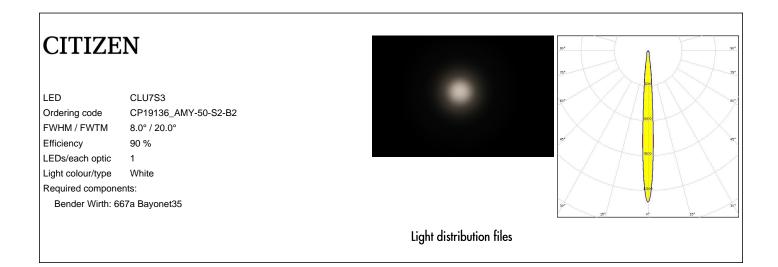




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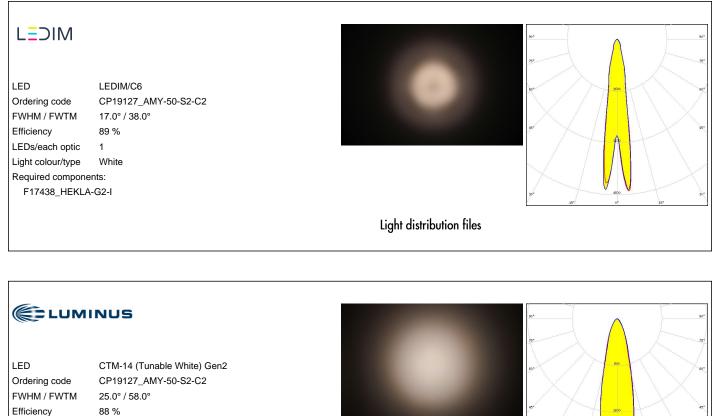


CITIZEN LED CLU02x (LES10) Ordering code CP19145_AMY-50-S2-C2-WHT FWHM / FWTM 16.0° / 40.0° Efficiency 95 % 5 cd/lm Peak intensity LEDs/each optic 1 White Light colour/type Required components: F17435_HEKLA-G2-C Light distribution files **CITIZEN** LED CLU02x (LES10) Ordering code CP19127_AMY-50-S2-C2 FWHM / FWTM 17.0° / 45.0° Efficiency 91 % LEDs/each optic 1 Light colour/type White Required components: F17435_HEKLA-G2-C Light distribution files

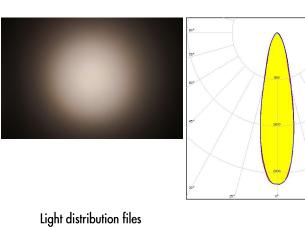


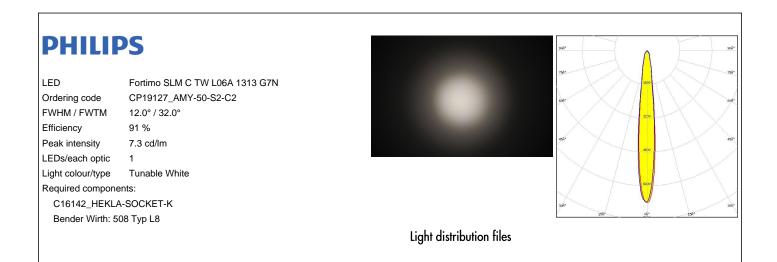
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LEDs/each optic 1 Light colour/type White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 442 Typ L8





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PHILIPS 90Å' LED Fortimo SLM C TW L09A 1919 G7N CP19127_AMY-50-S2-C2 Ordering code FWHM / FWTM 17.0° / 45.0° Efficiency 91 % 158 Peak intensity 4.5 cd/lm LEDs/each optic 1 Light colour/type Tunable White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8 Light distribution files



bridgelux. LED Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components	V10 Gen 8-9 CP19136_AMY-50-S2-B2 14.0° / 38.0° 90 % 5.6 cd/lm 1 White		99 ¹ 77 61 61 62 60 60 60 60 60 60 60 60 60 60 60 60 60
BJB: 47.360.1020		Light distribution files	
bridgelux.			50 ⁺
			785
LED	V6 HD Gen 8		
Ordering code FWHM / FWTM	CP19127_AMY-50-S2-C2 11.0° / 28.0°		60°
Efficiency	93 %		
Peak intensity	8.8 cd/lm		gr
LEDs/each optic	1		6400
Light colour/type	White		
Required components	5:		
F15255_HEKLA-S	OCKET-C		30° 5800 15°
		Light distribution files	
bridgelux.			9) ⁴
LED	V8 Gen7		
Ordering code	CP19127_AMY-50-S2-C2		605
FWHM / FWTM	13.0° / 34.0°		300
Efficiency	90 %		
Peak intensity	6.6 cd/lm		22.
LEDs/each optic	1		4800
Light colour/type	White		
Required components F15253_HEKLA-S			30° 15° 0° 11°
		Light distribution files	<u> </u>

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LED Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: F15616_HEKLA-SO	VERO10 CP19127_AMY-50-S2-C2 14.0° / 37.0° 91 % 5.9 cd/lm 1 White		50* 75 61 62 63 65 65 65 65 65 65 65 65 65 65
		Light distribution files	25 ⁷ (969) 25 ⁸
LED Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: C16142_HEKLA-SO	VERO13 CP19127_AMY-50-S2-C2 22.0° / 56.0° 92 % 3.2 cd/lm 1 White CKET-K	Light distribution files	54 55 55 55 55 55 55 55 55 55
bridgelux. LED	Vesta DTW 6mm		95°
Ordering code FWHM / FWTM Efficiency Peak intensity	CP19127_AMY-50-S2-C2 12.0° / 30.0° 93 % 8.1 cd/lm		g. 300
LEDs/each optic Light colour/type Required components:	1 White		24° 60 13°
Bender Wirth: 652b I	Hekia	Light distribution files	

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Ordering codeOFWHM / FWTM2Efficiency8Peak intensity2	Vesta SE 13mm TW CP19127_AMY-50-S2-C2 26.0° / 55.0°		
FWHM / FWTM2Efficiency8Peak intensity2			
Efficiency & Effic	26.0° / 55.0°		69×
Peak intensity 2	20.0 / 55.0		
	36 %		1600
LEDa/aaah aatia	2.8 cd/lm		
LEDs/each optic	1		
Light colour/type	Tunable White		2000
Required components:			
C16142_HEKLA-SOCK	ΣΕΤ-K		304
		Light distribution files	<u> </u>
Ordering code 0 FWHM / FWTM 1 Efficiency 2 Peak intensity 3 LEDs/each optic 1	CLU02Q Type-F CP19127_AMY-50-S2-C2 18.0° / 48.0° 92 % 3.8 cd/lm 1 White	Light distribution files	5° 6° 6° 5° 50 50 50 50 50 50 50 50 50 50 50 50 50
CITIZEN			39°
LED (CLU02x (LES10)		75
	CL002X (LES10) CP19145_AMY-50-S2-C2-WHT		
	15.0° / 38.0°		
-	96 % 5.7 cd/lm		42*
•	1		
• •	White		
Required components: F17435_HEKLA-G2-C			30 ⁴ 0 ⁴
		Light distribution files	

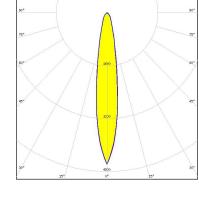
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CITIZEN LED CLU700/701/702/703 Ordering code CP19136_AMY-50-S2-B2 FWHM / FWTM 10.0° / 26.0° Efficiency 87 % Peak intensity 9.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files BJB: 47.360.1020 **CITIZEN** CLU712/713 LED CP19127_AMY-50-S2-C2 Ordering code FWHM / FWTM 14.0° / 34.0° Efficiency 90 % Peak intensity 6.1 cd/lm LEDs/each optic 1 White Light colour/type Required components: F17438_HEKLA-G2-I Light distribution files **CITIZEN**

LED Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic 1 Light colour/type Required components: F17438_HEKLA-G2-I





Light distribution files

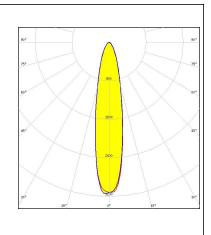
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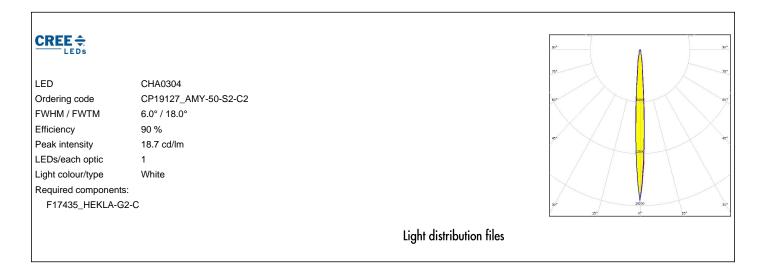
CITIZEN

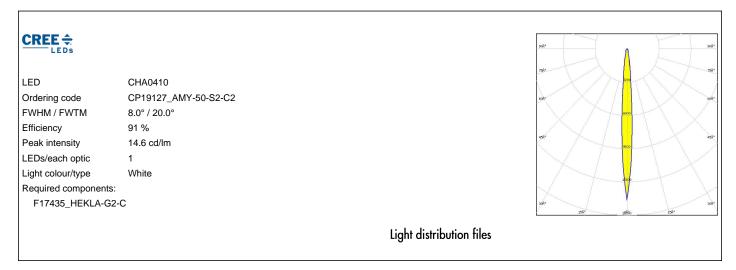
LED
Ordering code
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour/type
Required components:
F17438_HEKLA-G2-I

CLU723 Type-F CP19127_AMY-50-S2-C2 22.0° / 56.0 + 54.0° 92 % 3.2 cd/lm 1 White



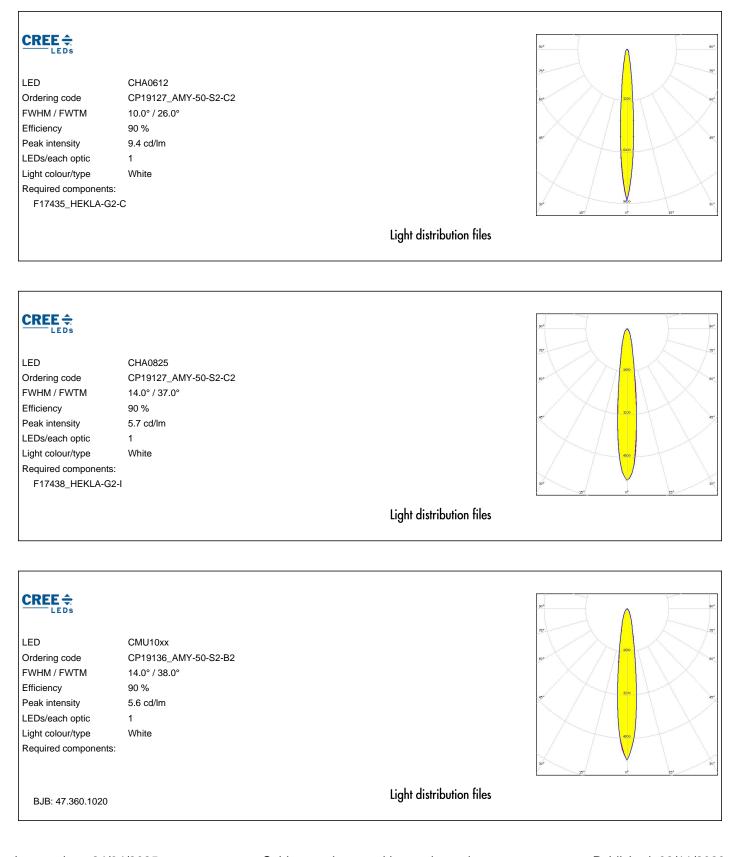
Light distribution files





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LED CMU15xx CP19127_AMY-50-S2-C2 Ordering code FWHM / FWTM 24.0° / 56.0° Efficiency 88 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour/type White Required components: F17438_HEKLA-G2-I Light distribution files LUMILEDS LED LUXEON CX Plus CoB L08 (Gen2) CP19127_AMY-50-S2-C2 Ordering code FWHM / FWTM 26.0° / 58.0° Efficiency 92 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Bender Wirth: 637a Hekla LUXEON CoB 1204HD LED Ordering code CP19127_AMY-50-S2-C2 FWHM / FWTM 15.0° / 39.0° Efficiency 93 % 5.5 cd/lm Peak intensity LEDs/each optic 1 White Light colour/type Required components: F15858_HEKLA-SOCKET-H

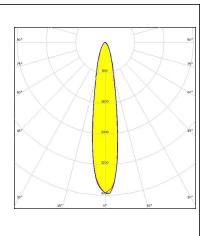
Light distribution files

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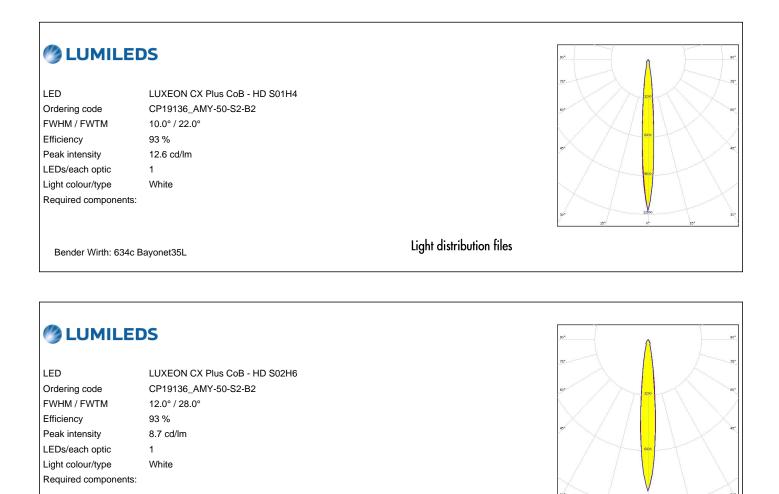


UMILEDS

LED	LUXEON CoB 1205HD
Ordering code	CP19127_AMY-50-S2-C2
FWHM / FWTM	20.0° / 48.0°
Efficiency	92 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15858_HEKLA-SOC	KET-H



Light distribution files



Bender Wirth: 634c Bayonet35L

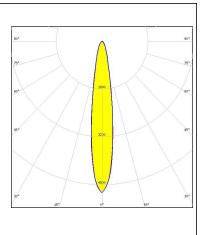
Light distribution files

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UMILEDS

LED Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: LUXEON CX Plus CoB - HD S04H9 CP19136_AMY-50-S2-B2 16.0° / 40.0° 93 % 5.1 cd/lm 1 White

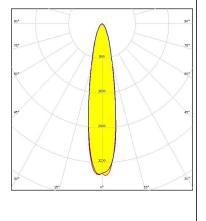


Light distribution files

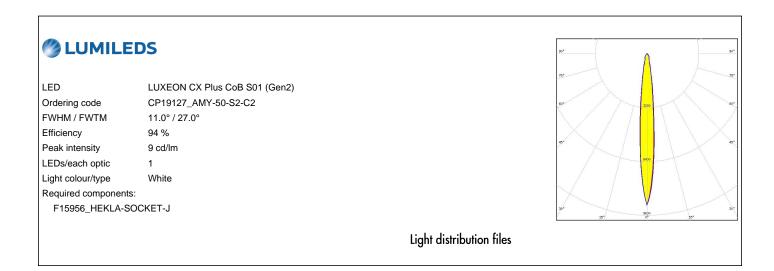
Bender Wirth: 634a Bayonet35L

LED LUXEON Ordering code CP19127 FWHM / FWTM 20.0° / 51 Efficiency 91 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: F15254_HEKLA-SOCKET-B

LUXEON CX Plus CoB L04 / L05 (Gen2) CP19127_AMY-50-S2-C2 20.0° / 51.0° 91 % 3.5 cd/lm 1 White



Light distribution files

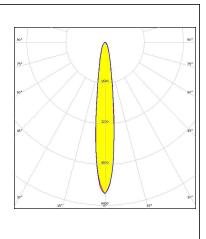


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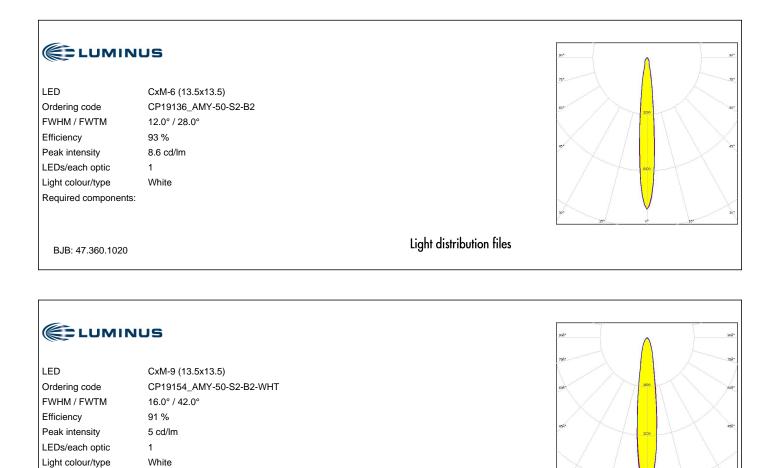
LED	CHM-9 XH (19x19)
Ordering code	CP19127_AMY-50-S2-C2
FWHM / FWTM	14.0° / 37.0°
Efficiency	93 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOC	KET-I

Required components: C18968_SOCKET-B-35-C



Light distribution files

Light distribution files



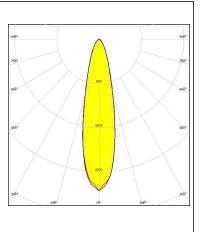
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ΜΝΙCΗΙΛ

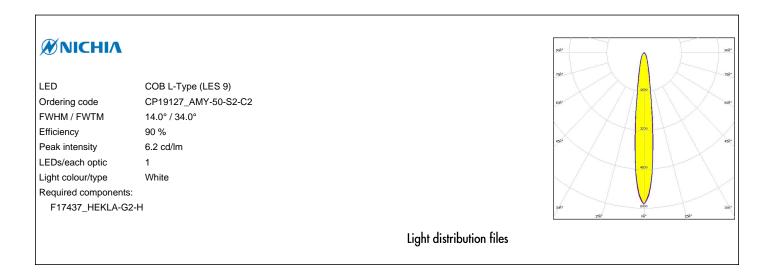
LED	COB J-Type
Ordering code	CP19127_AMY-50-S2-C2
FWHM / FWTM	24.0° / 57.0°
Efficiency	89 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 663a Hekla XL



Light distribution files

ΜΝΙCΗΙΛ LED COB L-Type (LES 11) CP19127_AMY-50-S2-C2 Ordering code FWHM / FWTM 19.0° / 48.0° Efficiency 92 % Peak intensity 3.9 cd/lm LEDs/each optic 1 White Light colour/type Required components: F15858_HEKLA-SOCKET-H Light distribution files



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ΜΝΙCΗΙΛ 90Å 75Â' LED COB L-Type (LES 9) CP19136_AMY-50-S2-B2 Ordering code FWHM / FWTM 14.0° / 34.0° Efficiency 90 % Peak intensity 6.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files BJB: 47.360.1110 **Μ**ΝΙCΗΙΛ 90Å LED COB L-Type (LES 9) CP19127_AMY-50-S2-C2 Ordering code FWHM / FWTM 14.0° / 34.0° Efficiency 91 % Peak intensity 6.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Bender Wirth: 638a Hekla **ΜΝΙCΗΙΛ** LED COB S-Type (LES 6) Ordering code CP19136_AMY-50-S2-B2 FWHM / FWTM 10.0° / 26.0° Efficiency 93 % 9.9 cd/lm Peak intensity LEDs/each optic 1 White Light colour/type Required components: Light distribution files Bender Wirth: 652a Bayonet35L

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ΜΝΙCΗΙΛ LED COB S-Type (LES 7) CP19127_AMY-50-S2-C2 Ordering code FWHM / FWTM 12.0° / 28.0° Efficiency 89 % Peak intensity 8.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Bender Wirth: 652a Hekla **Μ**ΝΙCΗΙΛ LED COB S-Type (LES 7) CP19136_AMY-50-S2-B2 Ordering code FWHM / FWTM 12.0° / 28.0° Efficiency 93 % Peak intensity 8.1 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Bender Wirth: 652a Bayonet35L **ΜΝΙCΗΙΛ** LED COB T-Type Ordering code CP19136_AMY-50-S2-B2

 FWHM / FWTM
 12.0° / 27.0°

 Efficiency
 93 %

 Peak intensity
 8.9 cd/lm

 LEDs/each optic
 1

 Light colour/type
 White

 Required components:
 1

Bender Wirth: 652a Bayonet35L

DB T-Type P19136_AMY-50-S2-B2 2.0° / 27.0° 3 % 9 cd/lm hite

Light distribution files

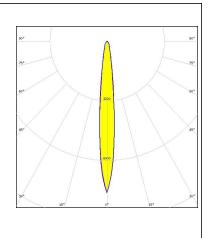
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ΜΝΙCΗΙΛ

LED	NJCWL024Z
Ordering code	CP19127_A
FWHM / FWTM	12.0° / 30.0°
Efficiency	92 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	Tunable Whi
Required components:	
C16142_HEKLA-SOC	KET-K

NJCWL024Z-V1MT: COB L-Type Tunable White CP19127_AMY-50-S2-C2 12.0° / 30.0° 92 % 8.1 cd/lm 1 Tunable White

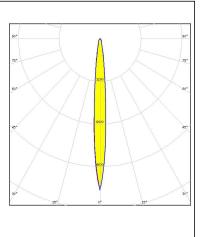


Light distribution files

Bender Wirth: 497 Typ L8 HV

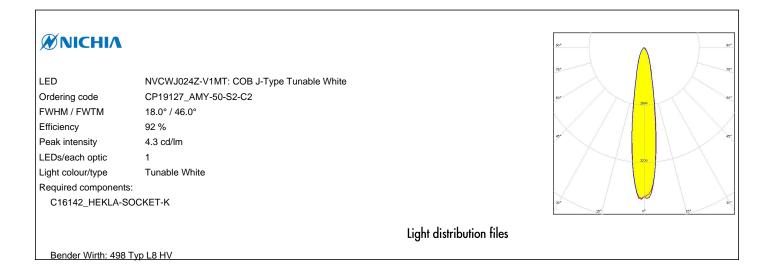
ΜΝΙCΗΙΛ

LED	NJNWS012Z-V1MT: COB S-Type Tunable White
Ordering code	CP19127_AMY-50-S2-C2
FWHM / FWTM	10.0° / 24.0°
Efficiency	92 %
Peak intensity	11.4 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOC	KET-K



Light distribution files

Bender Wirth: 495 Typ L8 HV



Last update: 24/04/2025 Subject to change without prior notice Published: LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



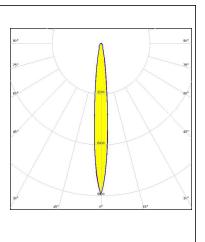
SAMSUNG

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

BJB: 47.360.1020

BJB: 47.360.1010

LC010C G2 CP19136_AMY-50-S2-B2 10.0° / 26.0° 93 % 9.5 cd/lm 1 White



Light distribution files

SAMSUNG LC010T (Tunable White) LED CP19127_AMY-50-S2-C2 Ordering code FWHM / FWTM 14.0° / 34.0° Efficiency 92 % Peak intensity 6.6 cd/lm LEDs/each optic 1 Light colour/type Tunable White Required components: Light distribution files Bender Wirth: 501 Typ L8 SAMSUNG LC016D / LC019D / LC026D / LC033D LED Ordering code CP19136_AMY-50-S2-B2 FWHM / FWTM 26.0° / 60.0° Efficiency 89 % 2.5 cd/lm Peak intensity LEDs/each optic 1 White Light colour/type Required components:

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Light distribution files

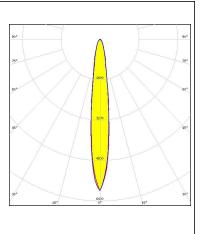


SAMSUNG

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

BJB: 47.360.1010

LC020C G2 CP19136_AMY-50-S2-B2 14.0° / 37.0° 91 % 6 cd/lm 1 White



Light distribution files

SAMSUNG LED LC030C/040C G2 CP19136_AMY-50-S2-B2 Ordering code FWHM / FWTM 20.0° / 50.0° Efficiency 90 % Peak intensity 3.7 cd/lm LEDs/each optic 1 White Light colour/type Required components: Light distribution files BJB: 47.360.1010 SEOUL SEOUL SEMICONDUCTOR MJT COB LES 14.5 LED Ordering code CP19127_AMY-50-S2-C2 FWHM / FWTM 28.0° / 61.0° Efficiency 91 % 2.5 cd/lm Peak intensity LEDs/each optic 1 White Light colour/type Required components: F15859_HEKLA-SOCKET-I Light distribution files

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SEOUL SEOUL SEMICONDUCTOR			90 ⁴
LED	MJT COB LES 6		75
Ordering code	CP19127_AMY-50-S2-C2		50° 3200 F6
FWHM / FWTM	10.0° / 24.0°		
Efficiency	91 %		
Peak intensity	10.4 cd/lm		45° 6430 42
LEDs/each optic	1		
Light colour/type	White		
Required component	s:		
F17435_HEKLA-0	62-C		30 ⁺ 15 ⁺ 0 ⁺ 15 ⁺
		Light distribution files	
CECUL SEOUL SEMICONDUCTOR			90°
SEOUL SEMICONDUCTOR			90 ⁴
SEOUL SEMICONDUCTOR	MJT COB LES 9.8		75
seoul semiconductor LED Ordering code	CP19127_AMY-50-S2-C2		7
stoul semiconductor LED Ordering code FWHM / FWTM	CP19127_AMY-50-S2-C2 16.0° / 40.0°		75
seoul semiconductor LED Ordering code FWHM / FWTM Efficiency	CP19127_AMY-50-S2-C2 16.0° / 40.0° 91 %		73°
stoul semiconductor LED Ordering code FWHM / FWTM Efficiency Peak intensity	CP19127_AMY-50-S2-C2 16.0° / 40.0° 91 % 5.1 cd/lm		73. 94. 200 - C
SEOUL SEMICONDUCTOR LED Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CP19127_AMY-50-S2-C2 16.0° / 40.0° 91 % 5.1 cd/lm 1		30°
SEOUL SEMICONDUCTOR LED Ordering code FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	CP19127_AMY-50-S2-C2 16.0° / 40.0° 91 % 5.1 cd/lm 1 White		73. 94. 200 - C
	CP19127_AMY-50-S2-C2 16.0° / 40.0° 91 % 5.1 cd/lm 1 White S:		73 94 100 100 0



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.

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