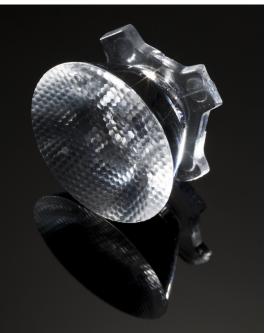


HEIDI-SS

~15° smooth spot beam

SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



PRODUCT DATASHEET CA12242_HEIDI-SS

LEDiL

MATERIALS:

Component **HEIDI-SS** HEIDI-TAPE

Туре Single lens Таре

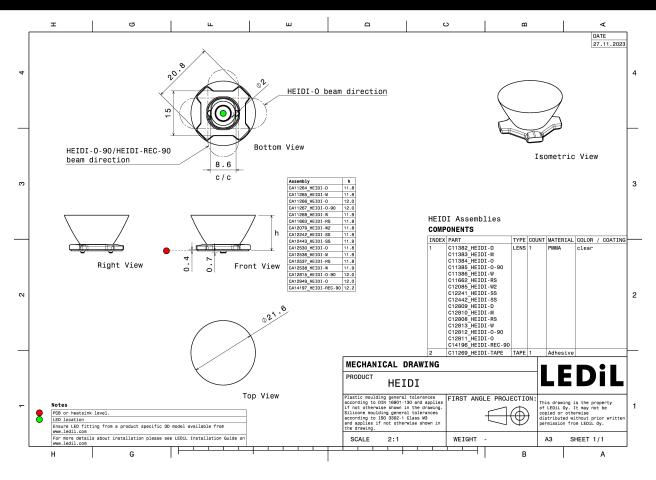
Material	Colour	Finish
PMMA	clear	
Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12242_HEIDI-SS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					

SIZE: 480 X 280 X 300 mm

PRODUCT DATASHEET CA12242_HEIDI-SS



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



		av
LEDS FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E 13.0° / 28.0° 95 % 10.7 cd/lm 1 White nts:	
CREE LED FWHM / FWTM Efficiency Peak intensity	XP-G 15.0° / 33.0° 95 % 8 cd/lm	94 ⁴ 94 72 64 200
LEDs/each optic Light colour Required compone	1 White nts:	
LED	XQ-E HD 12.0° / 27.0°	90 ⁴ 70 ²
Efficiency Peak intensity LEDs/each optic Light colour	94 % 11.1 cd/lm 1 White	
Required compone	nts:	
CREE LED FWHM / FWTM	XQ-E HI 12.0° / 28.0°	95 ³ 95 ⁷ 25
Efficiency Peak intensity LEDs/each optic Light colour	92 % 10 cd/lm 1 White	er 600 er
Required compone	nts:	34° 25' 0° 35'



r			
LUMIL	EDS		90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON C 13.0° / 28.0° 87 % 9.8 cd/lm 1 White		30. 20. 20. 20. 20. 20. 20. 20. 2
	EDS		50° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 15.0° / 33.0° 87 % 7.3 cd/lm 1 White		30° 20° 20° 20° 20° 20° 20° 20° 20° 20° 2
			900
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxx19A 14.0° / 31.0° 95 % 8.8 cd/lm 1 White		20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
Ø NICHI∧		GU121 G_(#2151-52., (802/es1/8)	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxx19B 15.0° / 32.0° 86 % 8.5 cd/lm 1 White nts:		φ. 60 30 30 52 52 52 52 52 52 52 52 52 52



ØNICHI/		5)4 59
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 15.0° / 34.0° 95 % 7.3 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19B/NVSxx19C 18.0° / 38.0° 87 % 6 cd/lm 1 White	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON SSL 150 13.0° / 26.0° 96 % 11.5 cd/lm 1 White ents:	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON SSL 80 13.0° / 30.0° 95 % 9.3 cd/lm 1 White ents:	



SAMSUNG LED LH181A FWHM / FWTM 15.0° / 36.0° Efficiency 88 % Peak intensity 5.6 cd/lm	90°
FWHM / FWTM 15.0° / 36.0° Efficiency 88 %	
Efficiency 88 %	
Peak intensity 5.6 cd/lm	1000 Fee
LEDs/each optic 1	
Light colour White	42*
Required components:	
	400
306	00 250 300
SAMSUNG	N 90*
LED LH181B	
FWHM / FWTM 15.0° / 36.0°	
Efficiency 93 %	1600
Peak intensity 6.3 cd/lm	
LEDs/each optic 1	320
Light colour White	43.
Required components:	$X \to X$
	4600
	$I \setminus X$
34	6450 30°
35	0° 25°
SEOUL SEMICONDUCTOR	90*
LED Z5	
FWHM / FWTM 13.0° / 28.0°	
Efficiency 95 %	3200 60°
Peak intensity 10.1 cd/lm	$// \land \land \bigtriangledown $
LEDs/each optic 1	
Light colour White	6430
Required components:	X
Required components:	
Required components:	1000
Required components:	0° 15°
	0, 72, 92,
seoul semiconductor	of 127 30'
seous semiconductor LED Z5M1/Z5M2	0 ⁴ 252 34
secure 25M1/25M2	1000 64 722 95
store 25500/2500/2000/2500/2000/2000/2000/2000/2000/200000000	
stout stanconductor LED Z5M1/Z5M2 FWHM / FWTM 14.0° / 32.0° Efficiency 91 % Peak intensity 7.9 cd/lm	225 25 25
SEGUE SEMICONDUCTOR 25M1/Z5M2 FWHM / FWTM 14.0° / 32.0° Efficiency 91 % Peak intensity 7.9 cd/lm LEDS/each optic 1	2000 2000 2000 2000 2000 2000 200 200 2
SECUL SEMICONDUCTOR LED Z5M1/Z5M2 FWHM / FWTM 14.0° / 32.0° Efficiency 91 % Peak intensity 7.9 cd/m LEDs/each optic 1 Light colour White	
SEQUE SEMICONDUCTOR LED Z5M1/Z5M2 FWHM / FWTM 14.0° / 32.0° Efficiency 91 % Peak intensity 7.9 cd/m LEDs/each optic 1 Light colour White	200 200 90 90 90 90 90 90 90 90 90 90 90 90
SEQUE SEMICONDUCTOR LED Z5M1/Z5M2 FWHM / FWTM 14.0° / 32.0° Efficiency 91 % Peak intensity 7.9 cd/m LEDs/each optic 1	2000 2000 2000 2000 2000 2000 200 200 2
SEGUL SEMICONDUCTOR LED Z5M1/Z5M2 FWHM / FWTM 14.0° / 32.0° Efficiency 91 % Peak intensity 7.9 cd/m LEDs/each optic 1 Light colour White	200 200 90 90 90 90 90 90 90 90 90 90 90 90



r		
CREE ≑		90° 90°
LEDS	XP-G2 HE	
FWHM / FWTM	16.0° / 32.0°	75* 75*
Efficiency	94 %	
Peak intensity	7.5 cd/lm	60* / 60*
LEDs/each optic	1	
Light colour	White	g
Required components:	white	
		600
		30° 32°
		30" 30" 30" 15" 0° 15"
		90* 90*
LED	XP-G3	
FWHM / FWTM	17.0° / 32.0°	25 751
Efficiency	94 %	
Peak intensity	7.8 cd/lm	60.5
LEDs/each optic	1	
Light colour	White	430 4000 40 ⁴
Required components:		
		6430
		30° 000 20°
		15° 0° 15°
	DS	90 ⁴ 99 ⁴
		9)* 9)*
	LUXEON 3030 HE Plus 14.0° / 28.0°	99 ² 99 ²
LED	LUXEON 3030 HE Plus	99 ¹ 75 ² 64 ⁴ 2000
LED FWHM / FWTM	LUXEON 3030 HE Plus 14.0° / 28.0°	97 97 25 00 ⁴ 120 00 ⁴ 0 ²
LED FWHM / FWTM Efficiency	LUXEON 3030 HE Plus 14.0° / 28.0° 95 %	99 ⁵ 99 ⁵
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm	99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1	97 ⁴ 610 97 ⁴ 60 ² 97 ⁴ 60 ² 97 ⁴ 60 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1	91 ⁵ 95 ⁵ 95 ⁶ 95 ⁷ 95 ⁷
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1	9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1	30 ¹ 91
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White	94 ⁴ 95 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White	30- 30- 30-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White S LUXEON HL2Z	25 25 25 25 25 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White S LUXEON HL2Z 14.0° / 28.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White S LUXEON HL2Z 14.0° / 28.0° 96 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White S LUXEON HL2Z 14.0° / 28.0° 96 % 11.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White S LUXEON HL2Z 14.0° / 28.0° 96 % 11.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White S LUXEON HL2Z 14.0° / 28.0° 96 % 11.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White S LUXEON HL2Z 14.0° / 28.0° 96 % 11.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White S LUXEON HL2Z 14.0° / 28.0° 96 % 11.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White S LUXEON HL2Z 14.0° / 28.0° 96 % 11.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CONTINUES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 HE Plus 14.0° / 28.0° 95 % 11 cd/lm 1 White S LUXEON HL2Z 14.0° / 28.0° 96 % 11.1 cd/lm 1	



UMILEC)S	90* 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (120 deg) 14.0° / 26.0° 96 % 12.4 cd/lm 1 White	27 61 57 61 60 60 60 60 60 60 60 60 60 60
)S	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (150 deg) 14.0° / 26.0° 92 % 12.3 cd/lm 1 White	30, 10, 12, 2 30, 1000 20, 2 22, 00, 00, 00, 00, 00, 00, 00, 00, 00,
		15 ⁵ 0 ⁶ 15 ⁵
CUMILEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z ES 13.0° / 24.0° 94 % 14.9 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 14.0° / 28.0° 95 % 10.8 cd/lm 1 White	30° 30° 30° 40° 40° 40° 40° 40° 40° 40° 40° 40° 4



OSRAM		50 ⁴
Opto Semiconductors	OSCONIQ S 3030 (QSLR31)	
FWHM / FWTM	15.0° / 28.0°	251 251
Efficiency	95 %	300
Peak intensity	11.2 cd/lm	69°
LEDs/each optic	1	
Light colour	White	55° 5600 65°
Required components:	white	
required components.		
		300
		30° 15° 0° 35° 30°
OSRAM Opto Semiconductors		50°
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	17.0° / 33.0°	73.
Efficiency	94 %	
Peak intensity	8.3 cd/lm	50° 50°
LEDs/each optic	1	
Light colour	White	97°
Required components:		
		6130
		15° 0° 15°
OSRAM Oto Semiconductors		90° 0 ¹ 20°
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	39* 39*
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3 15.0° / 29.0°	25. 26. 26. 26. 26. 26. 26. 26. 26. 26.
Opto Semiconductors LED FWHM / FWTM	15.0° / 29.0°	200 201 201 201 201 201 201 201 201 201
opto Semiconductors LED FWHM / FWTM Efficiency	15.0° / 29.0° 95 %	64 530 65 32 25 25 86 25 25 86 55 55
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	15.0° / 29.0°	64 220 66, 32 220 23, 36, 23, 24, 36, 20, 26, 36, 20, 26, 36, 20, 26, 36, 20, 26, 36, 20, 26, 36, 20, 26, 36, 20, 26, 36, 26, 26, 36, 26, 26, 36, 26, 26, 36, 26, 26, 36, 26, 26, 36, 26, 26, 36, 26, 26, 36, 26, 26, 36, 26, 26, 36, 26, 26, 36, 26, 26, 37, 26, 26, 36, 26, 26, 37, 26, 26, 36, 26, 26, </th
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	15.0° / 29.0° 95 % 10.4 cd/lm	a. a.a a.a a.a b. 200 66. 25. b. 200 25. 25.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 95 % 10.4 cd/lm 1	22. 60. 62. 23. 200. 65. 25. 200. 65. 25. 200. 65.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	15.0° / 29.0° 95 % 10.4 cd/lm 1	60. 60. 90. 90. 90. 90. 90. 90. 90. 9
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 95 % 10.4 cd/lm 1	62. 623 63. 520 53. 520 53. 52 53. 52
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 95 % 10.4 cd/lm 1	200 600 600 600 600 600 600 600
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 95 % 10.4 cd/lm 1	12. 0, 12. 30. 600 600 61. 600 600 62. 600 600 63. 600 600 64. 520 600 53. 520 600 53. 520 520 54. 520 520
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 95 % 10.4 cd/lm 1	900 900 900 900 900 900 900 900 900 900
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 95 % 10.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 95 % 10.4 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 95 % 10.4 cd/lm 1 White SFH 4170S	<u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u>
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	15.0° / 29.0° 95 % 10.4 cd/lm 1 White SFH 4170S 15.0° / 23.0°	<u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u> <u>20.</u>
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	15.0° / 29.0° 95 % 10.4 cd/lm 1 White SFH 4170S 15.0° / 23.0° 88 %	20- 20- 20- 20- 20- 20- 20- 20- 20- 20-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic	15.0° / 29.0° 95 % 10.4 cd/lm 1 White SFH 4170S 15.0° / 23.0° 88 % 1	64 55 55 55 55 55 55 55 55 55 5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour	15.0° / 29.0° 95 % 10.4 cd/lm 1 White SFH 4170S 15.0° / 23.0° 88 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic	15.0° / 29.0° 95 % 10.4 cd/lm 1 White SFH 4170S 15.0° / 23.0° 88 % 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour	15.0° / 29.0° 95 % 10.4 cd/lm 1 White SFH 4170S 15.0° / 23.0° 88 % 1	2. 6. 6. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour	15.0° / 29.0° 95 % 10.4 cd/lm 1 White SFH 4170S 15.0° / 23.0° 88 % 1	2. 6. 6. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7



OSRAM Opto Semiconductors		
LED	SFH 4170S	
FWHM / FWTM	14.0° / 24.0°	
Efficiency	88 %	
LEDs/each optic	1	600
Light colour	IR	
Required components	s:	500 300 1200



PRODUCT DATASHEET CA12242_HEIDI-SS

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.

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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