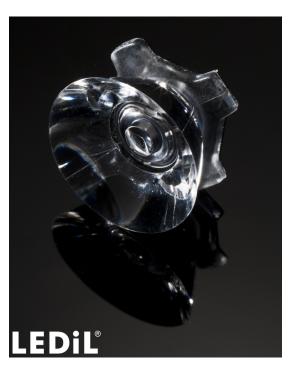


# **HEIDI-RS**

~8° spot beam

#### **TECHNICAL SPECIFICATIONS:**

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



PRODUCT DATASHEET CA12537\_HEIDI-RS

### **MATERIAL SPECIFICATIONS:**

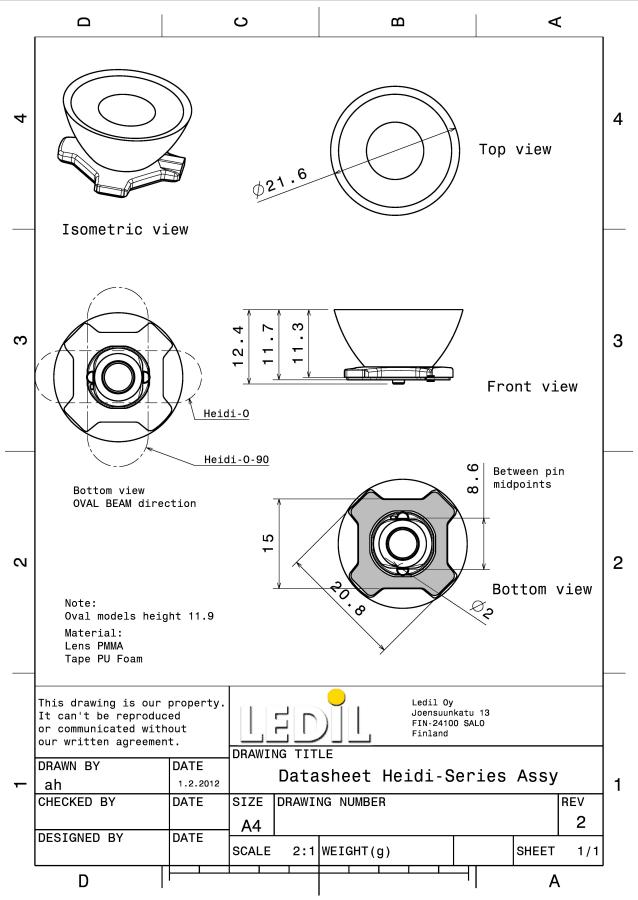
Component	Туре	Material	Colour	Finish
HEIDI-RS	Single lens	PMMA	clear	
HEIDI-TAPE	Таре	PU tape	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12537_HEIDI-RS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					



# PRODUCT DATASHEET CA12537\_HEIDI-RS



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



CREE 4 LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 10.0° / 18.0° 94 % 20 cd/lm 1 White	
CREE 4 ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G3 12.0° / 23.0° 94 % 13 cd/lm 1 White	24 25 25 26 26 26 26 26 26 26 26 26 26 27 26 26 26 27 27 27 26 20 20 20 20 20 20 20 20 20 20 20 20 20
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON A 11.0° / 20.0° 87 % 15.6 cd/lm 1 White	



	EDS	
LED	LUXEON Rebel	
FWHM / FWTM	8.0° / 17.0°	
Efficiency	88 %	
Peak intensity	26 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ints:	
	EDS	
LED FWHM / FWTM	LUXEON Rebel ES 11.0° / 20.0°	
Efficiency	11.0° / 20.0° 86 %	
Peak intensity	86 % 15.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
Required compone		
	SST-10-B130	94 <sup>1</sup>
FWHM / FWTM	8.0° / 16.0°	25
	96 %	
Efficiency		60 <sup>2</sup>
Efficiency Peak intensity		
Peak intensity	27.9 cd/lm	
Peak intensity LEDs/each optic		g
Peak intensity	27.9 cd/lm 1 Blue	
Peak intensity LEDs/each optic Light colour	27.9 cd/lm 1 Blue ints:	
Peak intensity LEDs/each optic Light colour Required compone	27.9 cd/lm 1 Blue ints:	
Peak intensity LEDs/each optic Light colour Required compone	27.9 cd/lm 1 Blue ints: NVSW219D 11.0° / 21.0°	
Peak intensity LEDs/each optic Light colour Required compone	27.9 cd/lm 1 Blue ints: NVSW219D 11.0° / 21.0° 94 %	
Peak intensity LEDs/each optic Light colour Required compone <b>WICHIV</b> LED FWHM / FWTM Efficiency Peak intensity	27.9 cd/lm 1 Blue ints: NVSW219D 11.0° / 21.0° 94 % 14.3 cd/lm	
Peak intensity LEDs/each optic Light colour Required compone <b>WICHIV</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	27.9 cd/lm 1 Blue ints: NVSW219D 11.0° / 21.0° 94 % 14.3 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required compone <b>MICHIM</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.9 cd/lm 1 Blue Ints: NVSW219D 11.0° / 21.0° 94 % 14.3 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compone <b>WICHIV</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	27.9 cd/lm 1 Blue Ints: NVSW219D 11.0° / 21.0° 94 % 14.3 cd/lm 1 White	



ØNICHI/		30'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B 13.0° / 25.0° 94 % 11.4 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW3x9A 13.0° / 27.0° 92 % 9.7 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW519A 14.0° / 33.0° 93 % 8 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NWSx229A 16.0° / 32.0° 87 % 7 cd/lm 1 White	



OSRAM		
Opto Semiconductors	OSLON SSL 150	90*
EED FWHM / FWTM	7.0° / 16.0°	75. 73
Efficiency	89 %	
Peak intensity	28.5 cd/lm	
LEDs/each optic	1	
Light colour	White	63 <sup>1</sup>
Required componer	nts:	
		30*
OSRAM Opto Semiconductors		
LED FWHM / FWTM	PLPVEC2 850A 6.0° / 16.0°	
Efficiency	%	
LEDs/each optic	<sup>20</sup> 1	
Light colour	IR	
Required componer		
SENI		
SEGUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	Z5M3 11.0° / 23.0° 94 %	90 <sup>4</sup> 92 70 70 70 70
SEOUL SEMICONDUCTOR		
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 23.0° 94 %	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 23.0° 94 % 12.5 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	11.0° / 23.0° 94 % 12.5 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	11.0° / 23.0° 94 % 12.5 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	11.0° / 23.0° 94 % 12.5 cd/lm 1 White tts:	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	11.0° / 23.0° 94 % 12.5 cd/lm 1 White hts: Z8Y22P	
SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SECOUL SEMICONDUCTOR LED	11.0° / 23.0° 94 % 12.5 cd/lm 1 White tts:	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SEOUL SEMICONDUCTOR LED FWHM / FWTM	11.0° / 23.0° 94 % 12.5 cd/lm 1 White hts: Z8Y22P 12.0° / 25.0°	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	11.0° / 23.0° 94 % 12.5 cd/lm 1 White hts: Z8Y22P 12.0° / 25.0° 94 %	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	11.0° / 23.0° 94 % 12.5 cd/lm 1 White hts: Z8Y22P 12.0° / 25.0° 94 % 10.7 cd/lm	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 23.0° 94 % 12.5 cd/lm 1 White hts: Z8Y22P 12.0° / 25.0° 94 % 10.7 cd/lm 1 White	



CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35 HI 12.0° / 22.0° 96 % 14.2 cd/lm 1 White	24 29 20 20 20 20 20 20 20 20 20 20 20 20 20
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 12.0° / 26.0° 95 % 12 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON IR Domed 150 11.0° / 22.0° 94 % 1 White	
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON IR Domed 90 11.0° / 23.0° 94 % 1 White	



	5	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON R 11.0° / 20.0° 92 % 16.5 cd/lm 1 White	25 0° 12° 0° 12° 0°
	)S	90° A 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (120 deg) 8.0° / 16.0° 96 % 30.1 cd/lm 1 White	57 60 67 70 70 70 70 70 70 70 70 70 70 70 70 70
		36 <sup>4</sup> 33000 35 <sup>4</sup> 35 <sup>4</sup>
	)S	30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (150 deg) 8.0° / 16.0° 92 % 28.9 cd/lm 1 White	25 44 57 57 57 57 57 57 57 57 57 57
	DS	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (150 deg) 7.8° / 17.0° 93 % 29.8 cd/lm 1 White	77 77 60 60 60 70 60 70 60 70 60 70 70 70 70 70 70 70 70 70 70 70 70 70



	DS Contraction of the second se	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 35 Line 7.8° / 17.0° 94 % 31.4 cd/lm 1 White	
<b>ΜΝΙCΗΙΛ</b>		90° A 90'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 16.0° / 30.0° 96 % 8 cd/lm 1 White	
<b>Μ</b> ΝΙCΗΙΛ		157 0° 157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 10.0° / 20.0° 94 % 19.4 cd/lm 1 White	27° 0° 13° 61° 61° 73° 61° 73° 61° 61° 61° 73° 61° 73° 73° 73° 73° 73° 73° 73° 73
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 12.0° / 22.0° 95 % 15 cd/lm 1 White	24 100 120 0. 100 1200 0. 200 00 1200 00 120



r		
OSRAM Opto Semiconductors		90° 90°
LED	OSCONIQ C 2424	
FWHM / FWTM	8.0° / 18.0°	75' 75'
Efficiency	96 %	
Peak intensity	26.6 cd/lm	60.6
LEDs/each optic	1	
Light colour	White	gr or
Required components:		
		200
		30" 30 15" 0° 15"
OSRAM Opto Semiconductors		50° A 50°
LED	OSCONIQ P 3737 Flat	
FWHM / FWTM	10.0° / 22.0°	73"
Efficiency	96 %	
Peak intensity	16.5 cd/lm	6000
LEDs/each optic	1	
Light colour	White	g*
Required components:		
		12800
		30*
OCDAM		
OSRAM Opto Semiconductors		90° 20° 20°
OSRAM Opto Semiconductors LED	OSLON Black	20/ 10/ 20/ 50* 90*
Opto Semiconductors	OSLON Black 11.0° / 22.0°	25 25 25 25 25 25 25 25
Opto Semiconductors		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	11.0° / 22.0°	25 5 20 29 29 29 29 29 29 29 29 29 29
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 93 % 16.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 93 % 16.8 cd/lm 1	30* 30*   90* 90*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.8 cd/lm 1	25 25 25 25 25 25 25 25 25 25
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.8 cd/lm 1	57 57 59 59 59 59 59 59 59 59 59 59
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.8 cd/lm 1	25 0 10 25
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 22.0° 93 % 16.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 22.0° 93 % 16.8 cd/lm 1 White	25 0 0 0 0 0 0 0 0 0 0 0 0 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	11.0° / 22.0° 93 % 16.8 cd/lm 1 White OSLON Black Flat	25 25 25 25 25 25 25 25 25 25
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM	11.0° / 22.0° 93 % 16.8 cd/lm 1 White OSLON Black Flat 7.3° / 15.0°	30,- 30,-   30,- 12,-   60,- 12,-   52,- 12,-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	11.0° / 22.0° 93 % 16.8 cd/lm 1 White OSLON Black Flat 7.3° / 15.0° 94 %	30,- 30,-   30,- 12,-   60,- 12,-   52,- 12,-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	11.0° / 22.0° 93 % 16.8 cd/lm 1 White OSLON Black Flat 7.3° / 15.0° 94 % 38.3 cd/lm	30,- 30,-   30,- 12,-   60,- 12,-   52,- 12,-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 93 % 16.8 cd/lm 1 White OSLON Black Flat 7.3° / 15.0° 94 % 38.3 cd/lm 1	30,- 30,-   30,- 12,-   60,- 12,-   52,- 12,-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.8 cd/lm 1 White OSLON Black Flat 7.3° / 15.0° 94 % 38.3 cd/lm	20.4 20.4   20.4 20.4   20.4 20.4   20.4 20.4   20.4 20.4   20.4 20.4   20.4 20.4
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 93 % 16.8 cd/lm 1 White OSLON Black Flat 7.3° / 15.0° 94 % 38.3 cd/lm 1	30,- 30,-   30,- 12,-   60,- 12,-   52,- 12,-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.8 cd/lm 1 White OSLON Black Flat 7.3° / 15.0° 94 % 38.3 cd/lm 1	No. No.   No. 120. 00. 120. 00.   No. 120. 00. 00. 00. 00.   No. 00. 00. 00. 00. 00. 00.   No. 00. 00. 00. 00. 00. 00. 00.   No. 00.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 93 % 16.8 cd/lm 1 White OSLON Black Flat 7.3° / 15.0° 94 % 38.3 cd/lm 1	No. No.   No. 120. 00. 120. 00.   No. 120. 00. 00. 00. 00.   No. 00. 00. 00. 00. 00. 00.   No. 00. 00. 00. 00. 00. 00. 00.   No. 00.



SAMSUI	NG	90° 90°
LED	LH351D	
FWHM / FWTM	16.0° / 29.0°	73.
Efficiency	94 %	
Peak intensity	8.2 cd/lm	2200
LEDs/each optic	1	
Light colour	White	57 ST
Required components:		
		600
		36° 15° 0° 15° 36°
SECUR		
SEOUL SEOUL SEMICONDUCTOR		90*
	Z5M4	
SEOUL SEMICONDUCTOR	Z5M4 12.0° / 25.0°	34 35
seoul semiconductor LED		
seoul semiconductor LED FWHM / FWTM	12.0° / 25.0°	37
seoul semiconductor LED FWHM / FWTM Efficiency	12.0° / 25.0° 96 %	37
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 25.0° 96 % 13 cd/lm 1 White	64 23 23 24 25
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0° / 25.0° 96 % 13 cd/lm 1 White	60 61 31 30 31 31 31
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 25.0° 96 % 13 cd/lm 1 White	6°
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 25.0° 96 % 13 cd/lm 1 White	57 64 65 65 67 67
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 25.0° 96 % 13 cd/lm 1 White	6°



# PRODUCT DATASHEET CA12537\_HEIDI-RS

#### **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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