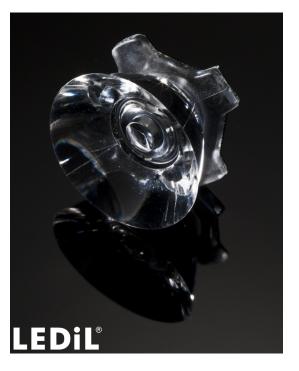


# **HEIDI-RS**

~8° spot beam

#### **SPECIFICATION:**

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



#### **MATERIALS:**

Component **HEIDI-RS** 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)
CA12537_HEIDI-RS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					

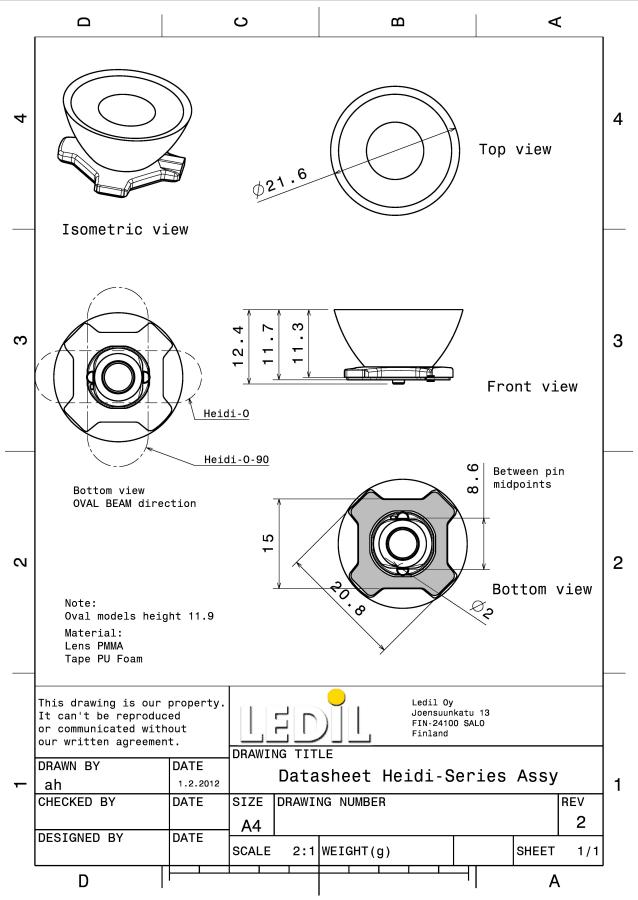
ox size: 480 x 280 x 300 mm

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# PRODUCT DATASHEET CA12537\_HEIDI-RS



# PRODUCT DATASHEET CA12537\_HEIDI-RS



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



	D		90° A 90
LED	XP-G2		
FWHM / FWTM	10.0° / 18.0°		73
Efficiency	94 %		
Peak intensity	20 cd/lm		
LEDs/each optic	1		
Light colour	White		g6
Required compone	ents:		
			30*
	ס		10 <sup>-7</sup> 0 <sup>-</sup> 20 <sup>-</sup>
LED	XP-G3		
FWHM / FWTM	12.0° / 23.0°		73. 73
Efficiency	94 %		
Peak intensity	13 cd/lm		
LEDs/each optic	1		6100
Light colour	White		97 <sup>4</sup> 6
Required compone			
			30° 30 15° 0° 35°
	D		90*
	XP-L HD		90° 90
	XP-L HD 15.0° / 29.0°		25 <sup></sup>
LED FWHM / FWTM Efficiency	XP-L HD 15.0° / 29.0° 89 %		90 <sup>4</sup> 90 25 00 <sup>4</sup> 00
LED FWHM / FWTM Efficiency Peak intensity	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm		90* 90 25 91* 300 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1		90 <sup>4</sup> 90 35 05 1300 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White		91 <sup>-</sup> 91 <sup>-</sup> 91 <sup>-</sup> 91 <sup>-</sup> 51 <sup>-</sup> 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White		91 <sup>4</sup> 91
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White		9°* 200 00 9°* 200 00 9°* 200 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White		9°* 200 00 9°* 200 00 9°* 200 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White		9°* 200 00 9°* 200 00 9°* 200 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White ents:		9°* 200 00 9°* 200 00 9°* 200 00
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 ents:		
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 ents:		
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 ents: EDS LUXEON A		
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 ents: EDS LUXEON A 11.0° / 20.0°		
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 ents: EDS LUXEON A 11.0° / 20.0° 87 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MUMIL LED FWHM / FWTM Efficiency Peak intensity	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White ents: EDS LUXEON A 11.0° / 20.0° 87 % 15.6 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Magnetic compone Efficiency Peak intensity LEDs/each optic	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White ents: EDS LUXEON A 11.0° / 20.0° 87 % 15.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Component Required component Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White ents: EDS LUXEON A 11.0° / 20.0° 87 % 15.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Component Required component Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White ents: EDS LUXEON A 11.0° / 20.0° 87 % 15.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Component Required component Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 15.0° / 29.0° 89 % 8.3 cd/lm 1 White ents: EDS 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		
	.EDS	
LED	LUXEON Rebel ES	
FWHM / FWTM	11.0° / 20.0°	
Efficiency	86 %	
Peak intensity	15.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
LED FWHM / FWTM	SST-10-B130 8.0° / 16.0°	77
Efficiency	96 %	
Peak intensity	90 % 27.9 cd/lm	
LEDs/each optic	27.9 cu/im 1	
	Blue	
		45%
		at, have a
		205 04 122 2 200 200 200 200 200 200 200 200 200
	ents:	
Required compone	ents:	
Required compone	ents:	
Required compone	NVSW219D	
Required compone	NVSW219D 11.0° / 21.0°	
Required compone	NVSW219D 11.0° / 21.0° 94 %	
Required compone	NVSW219D 11.0° / 21.0° 94 % 14.3 cd/lm	
Light colour Required compone <b>NICHI</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 11.0° / 21.0° 94 % 14.3 cd/lm 1 White	
Required compone NICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 11.0° / 21.0° 94 % 14.3 cd/lm 1 White	
Required compone NICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 11.0° / 21.0° 94 % 14.3 cd/lm 1 White	
Required compone <b>NICHI</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 11.0° / 21.0° 94 % 14.3 cd/lm 1 White	



<b>ØNICHI</b>		201
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 hts:	
EED 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/Im 1 White	



OSRAM		
Opto Semiconductors		90* 90*
LED	OSLON SSL 150	75*
FWHM / FWTM	7.0° / 16.0°	
Efficiency	89 %	ege ege
Peak intensity	28.5 cd/lm	
LEDs/each optic	1	
Light colour	White	ez. ez.
Required compone	nts:	
		30° 30°
OSRAM Opto Semiconductors		
LED	PLPVEC2 850A	
FWHM / FWTM	6.0° / 16.0°	
Efficiency	%	
LEDs/each optic	1	
Light colour	IR	
Required compone	nts:	
SECUL SEMICONDUCTOR	Z5M3	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>
FWHM / FWTM	25M3 11.0° / 23.0°	75-
Efficiency	94 %	300
Peak intensity	12.5 cd/lm	60°
LEDs/each optic	1	
Light colour	White	gr
Required compone		
		800
		$\times$ / $\times$ /
		30° 12800 30°
		 125 <sup>0</sup> 0 <sup>4</sup> 125 <sup>0</sup>
SEOUL SEMICONDUCTOR		90*
LED	Z8Y22P	
FWHM / FWTM	12.0° / 25.0°	
Efficiency	94 %	60 <sup>5</sup>
Peak intensity	10.7 cd/lm	$\Gamma \setminus / / \Box \setminus \setminus \land$
LEDs/each optic	1	
Light colour	White	45 <sup>4</sup> 6600 45
Required compone		$\mathbb{N}$
		X   V X
		9830
		300 / 300
		15° 0° 15°



CREESILED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35 HD 16.0° / 32.0° 94 % 7.2 cd/lm 1 White	200 200 200 200 200 200 200 200
	XHP35 HI	50°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 96 % 14.2 cd/lm 1 White	77
CREE LED 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	20 20 20 20 20 20 20 20 20 20
	LUXEON CZ	90°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.0° / 14.0° 96 % 48.9 cd/lm 1 White	



EUMILEE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X 14.0° / 26.0° 95 % 11.6 cd/lm 1 White	3° 3° 4° 4° 50° 50° 50° 50° 50° 50° 50° 50
	5	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2Z 10.0° / 20.0° 95 % 19.4 cd/lm 1 White	27 27 27 27 27 27 27 27 27 27 27 27 27 2
	)S	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON IR Domed 150 11.0° / 22.0° 94 % 1 White	
	<b>)</b> S	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON IR Domed 90 11.0° / 23.0° 94 % 1 White	



	S	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	20 0 0 0 0 0 0 0 0 0 0 0 0 0
	)S	90° 6 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	
		36° 25° 36
	)S	50° 50°
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	20 20 20 20 20 20 20 20 20 20
	)S	90° A 90'
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	



UMILEC	DS S	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	
	)S	90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX 10.0° / 20.0° 96 % 19.3 cd/lm 1 White	27 - 27 en en e
~~~~~		
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 16.0° / 30.0° 96 % 8 cd/lm 1 White	
<b>WHM / FWTM</b> Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW719AC 12.0° / 20.0° 97 % 19.2 cd/lm 1 White	50 <sup>1</sup>



MICHIΛ		50° 50°
LED	NVSxE21A	
FWHM / FWTM	10.0° / 20.0°	75
Efficiency	94 %	
Peak intensity	19.4 cd/lm	60* / / / / / / / / / / / / / / / / / / /
LEDs/each optic	1	
Light colour	White	95° 43°
Required components:		12300
		30* 1990 30*
		15° 0° 35°
<b>ΜΝΙCΗΙΛ</b>		90° 90°
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	12.0° / 22.0°	
Efficiency	95 %	60°
Peak intensity	15 cd/lm	6130
LEDs/each optic	1	
Light colour	White	5°
Required components:		
		12800
		$\times$ / $\vee$ $\times$
		36* 36* 36*
OSRAM Opto Semiconductors		50° 50°
Onto Semiconductore		
LED	OSCONIQ C 2424	73'
LED FWHM / FWTM	8.0° / 18.0°	
LED FWHM / FWTM Efficiency	8.0° / 18.0° 96 %	
LED FWHM / FWTM Efficiency Peak intensity	8.0° / 18.0° 96 % 26.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	8.0° / 18.0° 96 % 26.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	8.0° / 18.0° 96 % 26.6 cd/lm	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	8.0° / 18.0° 96 % 26.6 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	8.0° / 18.0° 96 % 26.6 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	8.0° / 18.0° 96 % 26.6 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1 White	No. No.   20. 0. 20.   20. 0. 20.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1	25° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0° 10° 0°° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1 White	No. No.   20. 0. 20.   20. 0. 20.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1 White OSCONIQ P 3737 Flat 10.0° / 22.0°	No. No.   20. 0. 20.   20. 0. 20.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1 White OSCONIQ P 3737 Flat 10.0° / 22.0° 96 %	No. No.   30. 30. 30.   30. 50. 50.   60. 1000 60.   53. 60. 50.   53. 60. 50.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	8.0° / 18.0° 96 % 26.6 cd/lm 1 White OSCONIQ P 3737 Flat 10.0° / 22.0° 96 % 16.5 cd/lm	No. No.   20. 0. 20.   20. 0. 20.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1 White OSCONIQ P 3737 Flat 10.0° / 22.0° 96 % 16.5 cd/lm 1	No. No.   20. 0. 20.   20. 0. 20.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.   0. 0. 0.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1 White OSCONIQ P 3737 Flat 10.0° / 22.0° 96 % 16.5 cd/lm 1	No. No.   30. 10.   30. 10.   30. 10.   60. 10.00   60. 10.00   60. 10.00   13. 10.00   13. 10.00   13. 10.00   13. 10.00   13. 10.00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1 White OSCONIQ P 3737 Flat 10.0° / 22.0° 96 % 16.5 cd/lm 1	30, 30, 30, 30,   30, 10, 10, 30,   30, 10, 10, 30,   40, 10,000 60, 60,   10,000 10,000 60, 60,   10,000 10,000 10,000 60,   10,000 10,000 10,000 60,   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	8.0° / 18.0° 96 % 26.6 cd/lm 1 White OSCONIQ P 3737 Flat 10.0° / 22.0° 96 % 16.5 cd/lm 1	30, 30, 30, 30,   30, 10, 10, 30,   30, 10, 10, 30,   40, 10,000 60, 60,   10,000 10,000 60, 60,   10,000 10,000 10,000 60,   10,000 10,000 10,000 60,   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000   10,000 10,000 10,000 10,000



[		
OSRAM Opto Semiconductors		90° 90°
LED	OSLON Black	
FWHM / FWTM	11.0° / 22.0°	75°
Efficiency	93 %	
Peak intensity	16.8 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	gr at
Required components:		$\times$
		12800
		37 15° 0° 15°
OSRAM Opto Semiconductors		90° 90°
LED	OSLON Black Flat	
FWHM / FWTM	7.3° / 15.0°	<u>N</u>
Efficiency	94 %	
Peak intensity	38.3 cd/lm	
LEDs/each optic	1	
Light colour	White	97°
Required components:		
		30° 3300 30°
		15° 0° 15°
SAMSUN	IG	50° <b>A</b>
	LH351D	50° 50°
		20°
LED	LH351D	
LED FWHM / FWTM	LH351D 16.0° / 29.0°	50° 50°
LED FWHM / FWTM Efficiency	LH351D 16.0° / 29.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1	79 69 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1	79 69 69 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1	79 69 69 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1	79 69 69 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1	79 69 79 79 60 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1 White	79 69 69 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seoul semiconouctor LED FWHM / FWTM Efficiency	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1 White Z5M4 12.0° / 25.0° 96 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1 White Z5M4 12.0° / 25.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1 White Z5M4 12.0° / 25.0° 96 % 13 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seous semiconouctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1 White Z5M4 12.0° / 25.0° 96 % 13 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351D 16.0° / 29.0° 94 % 8.2 cd/lm 1 White Z5M4 12.0° / 25.0° 96 % 13 cd/lm 1	
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## 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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