

PRODUCT DATASHEET CA12530_HEIDI-D

HEIDI-D

~10° diffused spot beam optimized for LUXEON Rebel ES

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

Component	
HEIDI-D	
HEIDI-TAPE	

Туре	Material
Single lens	PMMA
Таре	PU tape

Colour	
clear	
black	

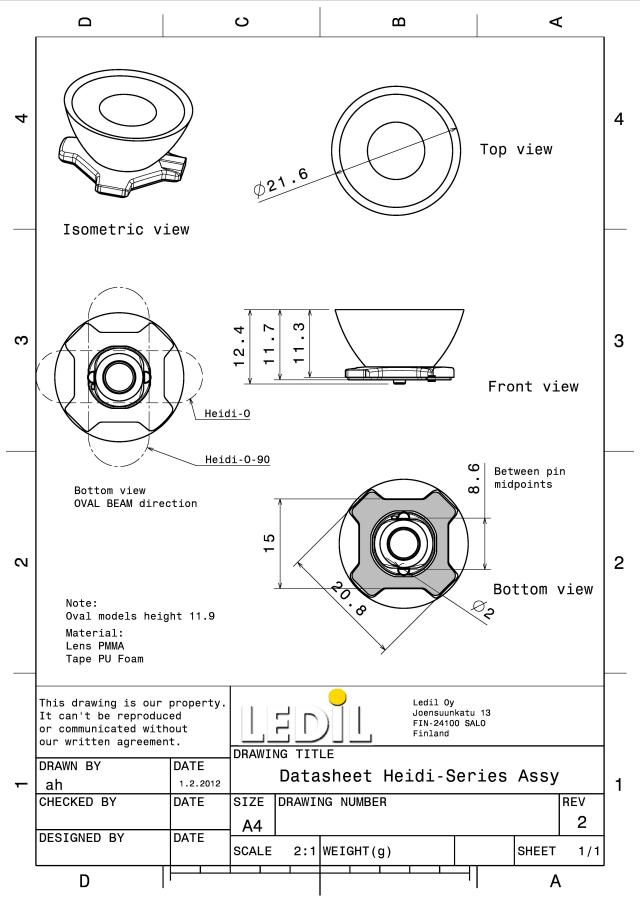
Finish

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12530_HEIDI-D	Single lens	3264	204	204	10.3
» Box size: 480 x 280 x 300 mm					



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



	D	50° A 50°
LED	XHP35 HD	
FWHM / FWTM	20.0° / 46.0°	77
Efficiency	83 %	
Peak intensity	4.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		345
	_	227 00 227
	D	99 ⁴ 90 ⁴
LED	XHP35 HI	72
FWHM / FWTM	17.0° / 38.0°	
Efficiency	94 %	60
Peak intensity	5.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		400
		30-
	D	5) ³
		90* 90
LED	XP-G2	25
LED FWHM / FWTM		
LED FWHM / FWTM Efficiency	XP-G2 15.0° / 36.0°	
LED FWHM / FWTM	XP-G2 15.0° / 36.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents: 2 XP-G3 17.0° / 40.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents: XP-G3 17.0° / 40.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE Compone LED FWHM / FWTM Efficiency Peak intensity	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents: XP-G3 17.0° / 40.0° 94 % 5.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents: XP-G3 17.0° / 40.0° 94 % 5.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents: XP-G3 17.0° / 40.0° 94 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents: XP-G3 17.0° / 40.0° 94 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents: XP-G3 17.0° / 40.0° 94 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 15.0° / 36.0° 94 % 6.6 cd/lm 1 White ents: XP-G3 17.0° / 40.0° 94 % 5.1 cd/lm 1 White	



ODEE +	_		
CREE 🖨 LEI	D		90° 90
LED	XP-L HD		
FWHM / FWTM	18.0° / 41.0°		
Efficiency	85 %		1600
Peak intensity	4.8 cd/lm		
LEDs/each optic	1		
Light colour	White		95 ⁴ et
Required compone	nts:		
			30. 30
	0		
LED FWHM / FWTM	XT-E 14.0° / 32.0°		70
Efficiency	94 %		
Peak intensity	94 % 7.9 cd/lm		60 ¹ 520
LEDs/each optic	1		
Light colour	White		97 4600
Required compone			
			6430
		 	30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
M LUMIL	EDS		
LED	LUXEON A		
FWHM / FWTM	12.0° / 26.0°		
Efficiency	86 %		
Peak intensity	10 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		
1			
			50°
			94 [*]
	EDS		34 ⁴ 75 100
LED	EDS LUXEON Rebel		39 ⁴ 75 600
LED FWHM / FWTM	EDS LUXEON Rebel 14.0° / 34.0°		99 ⁴ 75 ⁵ 60 ⁶ 1000 1000 1000 1000 1000 1000
LED FWHM / FWTM Efficiency	EDS LUXEON Rebel 14.0° / 34.0° 86 %		75' 2000
LED FWHM / FWTM Efficiency Peak intensity	EDS LUXEON Rebel 14.0° / 34.0° 86 % 7.5 cd/lm		77 100 77 90 ⁴ 329
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	EDS LUXEON Rebel 14.0° / 34.0° 86 % 7.5 cd/lm 1 White		75' 2000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	EDS LUXEON Rebel 14.0° / 34.0° 86 % 7.5 cd/lm 1 White		5° 400 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	EDS LUXEON Rebel 14.0° / 34.0° 86 % 7.5 cd/lm 1 White		77 100 77 90 ⁴ 329
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	EDS LUXEON Rebel 14.0° / 34.0° 86 % 7.5 cd/lm 1 White		5° 400 40



EDS	30 ³
LUXEON Rebel ES 15.0° / 36.0° 91 % 6.5 cd/lm 1 White nts:	
NUS	90 ⁴
SST-10-B130 14.0° / 32.0° 93 % 7.9 cd/lm 1 Blue	
	35 ⁴
NVSW219D 16.0° / 39.0° 94 % 5.8 cd/lm 1 White nts:	
NVSW319B 18.0° / 41.0° 93 % 5.2 cd/lm 1 White	
	LUXEON Rebel ES 15.0° / 36.0° 91 % 6.5 cd/lm 1 White nts: NUS SST-10-B130 14.0° / 32.0° 93 % 7.9 cd/lm 1 Blue nts: NVSW219D 16.0° / 39.0° 94 % 5.8 cd/lm 1 White nts: NVSW319B 18.0° / 41.0° 93 % 5.2 cd/lm 1



ØNICHI		50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW3x9A 18.0° / 41.0° 90 % 4.8 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW519A 20.0° / 45.0° 94 % 4.4 cd/lm 1 White	
		50' 50'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NWSx229A 20.0° / 45.0° 84 % 4.1 cd/lm 1 White	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON SSL 150 13.0° / 30.0° 87 % 9.1 cd/lm 1 White nts:	



SEOUL SEMICONDUCTOR		so.,	90°
LED	Z5M3		
FWHM / FWTM	17.0° / 40.0°		- POT
Efficiency	94 %	501	60*
Peak intensity	5.2 cd/lm		
LEDs/each optic	1		
Light colour	White	g. 220	45°
Required compone	ents:		
		400	
		20° - 15°	30.0
		10/ 0 10	
SEGUI			
SEOUL SEMICONDUCTOR		90*	90°
	Z8Y22P		90*
SEOUL SEMICONDUCTOR	Z8Y22P 17.0° / 39.0°	30* 75	90°
SEOUL SEMICONDUCTOR		30 ⁴	90° 75° 60°
seoul semiconductor LED FWHM / FWTM	17.0° / 39.0°		90° 75° 60°
seoul seniconductor LED FWHM / FWTM Efficiency	17.0° / 39.0° 92 %		90* 25* 60*
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	17.0° / 39.0° 92 % 5 cd/lm		90° 25° 60°
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0° / 39.0° 92 % 5 cd/lm 1 White	75- 50 ⁴ 100 55 ⁴	50°
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 39.0° 92 % 5 cd/lm 1 White	75- 50 ⁴ 100 55 ⁴	50°
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 39.0° 92 % 5 cd/lm 1 White	75- 50 ⁴ 100 55 ⁴	50°
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 39.0° 92 % 5 cd/lm 1 White	75- 50 ⁴ 100 55 ⁴	50°



PHOTOMETRIC DATA (SIMULATED):

CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 14.0° / 28.0° 95 % 10.7 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
)S	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON R 12.0° / 26.0° % 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (120 deg) 9.0° / 18.0° 96 % 26.1 cd/lm 1 White	30°
C LUMILEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (150 deg) 8.7° / 18.0° 93 % 25.6 cd/lm 1 White	



PHOTOMETRIC DATA (SIMULATED):

)S	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (150 deg) 8.0° / 18.0° 92 % 24.9 cd/lm 1 White	20, 0, 12, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10
)S	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 35 Line 8.5° / 18.0° 94 % 27.2 cd/lm 1 White	27 47 47 47 47 47 47 47 47 47 4
	5	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z ES 10.0° / 21.0° 94 % 20.5 cd/lm 1 White	27. 0, 12, 27, 26, 27, 27, 26, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxE17A 10.0° / 20.0° 92 % 18.2 cd/lm 1 White	



PHOTOMETRIC DATA (SIMULATED):

r		
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 16.0° / 32.0° 96 % 7.8 cd/lm 1 White	50° 000 50° 50° 000 00° 50° 000 00° 50° 000 00° 50° 000 00° 50° 00° 50
MICHIΛ		90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 10.0° / 22.0° 94 % 17.5 cd/lm 1 White	9°
OSRAM		25 ⁻ 19 ⁽¹⁾ 25 ⁻
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3737 Flat 11.0° / 23.0° 97 % 15.3 cd/lm 1 White	12, 0, 12, 22, 22, 22, 22, 22, 25, 22, 22, 25, 24, 25, 0, 25, 26, 0, 26, 26, 0, 26, 26, 0, 26, 26, 0,
SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	G LH351C 14.0° / 26.0° 96 % 11.8 cd/lm 1 White	30, 30, 42, 43, 44, 40, 40, 40, 40, 40, 40, 40



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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:

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