

# PRODUCT DATASHEET CA11266\_HEIDI-O

# **HEIDI-O**

~50° x 11° oval beam

#### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 21.6 mm
Height	11.9 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



#### **MATERIAL SPECIFICATIONS:**

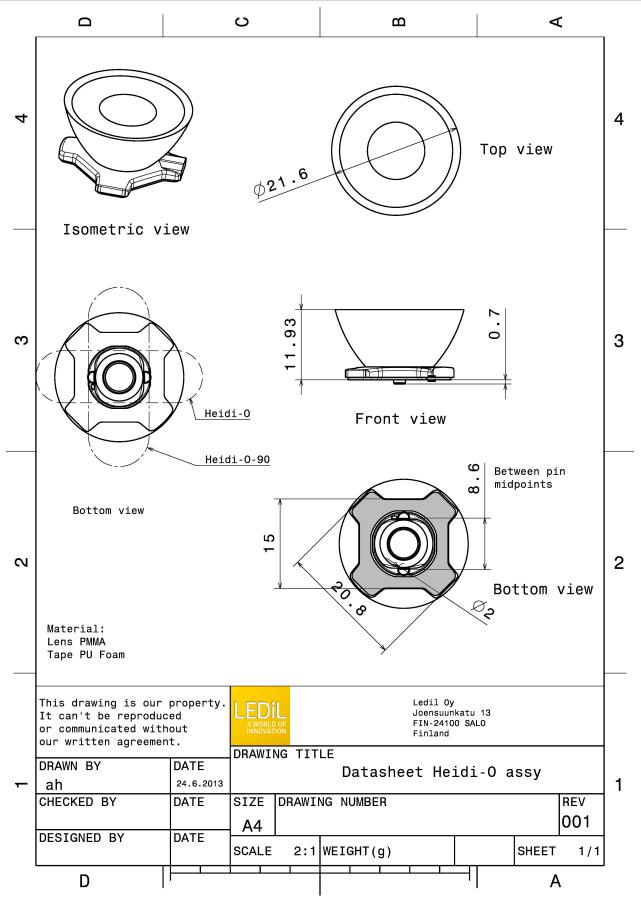
Component	Туре	Material	Colour	Finish
HEIDI-O	Single lens	PMMA	clear	
HEIDI-TAPE	Таре	PU tape	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11266_HEIDI-O	Single lens	3264	204	204	9.7
» Box size: 480 x 280 x 300 mm					



## PRODUCT DATASHEET CA11266\_HEIDI-O



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



CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XB-D White 54.0 + 10.0° / 77.0 + 27.0° 87 % 3.9 cd/lm 1 White	20- 20- 20- 20- 20- 20- 20- 20-
CREE LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XB-H 53.0 + 11.0° / 78.0 + 34.0° 83 % 3.3 cd/lm 1 White	
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XD16 52.0 + 10.0° / 75.0 + 30.0° 89 % 3.2 cd/lm 1 White	
CREE CLED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E 48.0 + 10.0° / 70.0 + 30.0° 87 % 4.1 cd/lm 1 White	20° 0° 12° 0° 12° 30° 12° 60° 12° 10° 10° 10° 10° 10° 10° 10° 10



		90° 90°
LED	 XP-E2	
FWHM / FWTM	54.0 + 9.0° / 75.0 + 23.0°	75.
Efficiency	85 %	
Peak intensity	4.8 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	434 434
Required compone		
		30° 4800 30°
		12, 0, 12,
		90*
LED	XP-G	75*
FWHM / FWTM	47.0 + 14.0° / 72.0 + 36.0°	
Efficiency	87 %	60 <sup>4</sup> 60°
Peak intensity	3.3 cd/lm	
LEDs/each optic	1	
Light colour	White	95* 43*
Required compone	ents:	2430
		30* 30*
		135 <sup>4</sup> 0 <sup>4</sup> 155 <sup>4</sup>
		90°
LED	XP-G2	22. 23. 26. 25. 25. 25. 25.
LED FWHM / FWTM	XP-G2 52.0 + 11.0° / 76.0 + 32.0°	15 <sup>4</sup> 0 <sup>5</sup> 15 <sup>5</sup>
LED FWHM / FWTM Efficiency	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 %	125 <sup>°</sup> 0 <sup>°</sup> 125 <sup>°</sup>
LED FWHM / FWTM Efficiency Peak intensity	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm	800 800 800 900 900 900 900 900
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1	25° 0° 25°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White	120, 0, 120, 0,   121, 0, 122, 12,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White	62, 200 62,   63, 100 64,   100 100 64,   100 100 100,   100 100, 100,   100 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,   100, 100, 100,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White	200 - 200 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White	25° 6° 25° 99° 99° 99° 99° 99° 99° 90° 90° 90° 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White ents:	75' 64' 650 600 600 600 600 600 600 600 600 600
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White ints: XP-G3 51.0 + 13.0° / 77.0 + 37.0°	100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White ints: XP-G3 51.0 + 13.0° / 77.0 + 37.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White ints: XP-G3 51.0 + 13.0° / 77.0 + 37.0° 91 % 3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White ints: XP-G3 51.0 + 13.0° / 77.0 + 37.0° 91 % 3 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 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White xP-G3 51.0 + 13.0° / 77.0 + 37.0° 91 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White xP-G3 51.0 + 13.0° / 77.0 + 37.0° 91 % 3 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 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White xP-G3 51.0 + 13.0° / 77.0 + 37.0° 91 % 3 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 52.0 + 11.0° / 76.0 + 32.0° 91 % 3.5 cd/lm 1 White xP-G3 51.0 + 13.0° / 77.0 + 37.0° 91 % 3 cd/lm 1 White	



		90°
LED	XQ-E HD	
FWHM / FWTM	55.0 + 8.0° / 75.0 + 22.0°	77
Efficiency	93 %	
Peak intensity	4.7 cd/lm	
LEDs/each optic	1	
Light colour	White	gr d
Required compone		
		24 600
		90°
LED	XQ-E HI	
FWHM / FWTM	53.0 + 7.0° / 73.0 + 21.0°	
Efficiency	90 %	
Peak intensity	4.5 cd/lm	
LEDs/each optic	1	
Light colour	White	9°
Required compone	ints:	
		30"
	3	
		×*
LED	ХТ-Е	90°
LED FWHM / FWTM	XT-E 52.0 + 12.0° / 78.0 + 35.0°	
LED FWHM / FWTM Efficiency	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White	97. 69.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White	97. 69.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White ints: EDS LUXEON C 53.0 + 9.0° / 75.0 + 25.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White ints: EDS LUXEON C 53.0 + 9.0° / 75.0 + 25.0° 81 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Weak intensity	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White ints: EDS LUXEON C 53.0 + 9.0° / 75.0 + 25.0° 81 % 4.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Weak intensity LEDs/each optic	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White ints: EDS LUXEON C 53.0 + 9.0° / 75.0 + 25.0° 81 % 4.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White I White LUXEON C 53.0 + 9.0° / 75.0 + 25.0° 81 % 4.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White I White LUXEON C 53.0 + 9.0° / 75.0 + 25.0° 81 % 4.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Weak intensity LEDs/each optic	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White I White LUXEON C 53.0 + 9.0° / 75.0 + 25.0° 81 % 4.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 52.0 + 12.0° / 78.0 + 35.0° 91 % 3 cd/lm 1 White I White LUXEON C 53.0 + 9.0° / 75.0 + 25.0° 81 % 4.1 cd/lm 1 White	



🤭 LUMIL	EDS	90 <sup>+</sup> 90 <sup>+</sup>
LED	LUXEON CZ	
FWHM / FWTM	53.0 + 7.0° / 72.0 + 20.0°	
Efficiency	92 %	
Peak intensity	5.2 cd/lm	
LEDs/each optic	1	
Light colour	White	87 - 1000 - 57 - 57 - 57 - 57 - 57 - 57 - 57 -
Required compone		
		30* 15° 0° 15°
UMIL	EDS	90°
LED	LUXEON T	77
FWHM / FWTM	52.0 + 12.0° / 76.0 + 33.0°	
Efficiency	81 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	
Light colour	White	42°
Required compone	nts:	
		30.
<u>_</u>		125 0 125
🕙 LUMIL	EDS	50* 50*
LED	LUXEON TX	
FWHM / FWTM	54.0 + 12.0° / 77.0 + 31.0°	
Efficiency	82 %	60
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	
Light colour	White	er at
Required compone	nts:	
		227
		200 200
	EDC	250 - 250 -
UMIL		20° - 20° - 20°
LED	LUXEON Z	75 25 25 25 25 25 25 25 25 25 2
LED FWHM / FWTM	LUXEON Z 55.0 + 7.5° / 73.0 + 20.0°	25
LED FWHM / FWTM Efficiency	LUXEON Z 55.0 + 7.5° / 73.0 + 20.0° 87 %	900 000 000 900 000 900 9
LED FWHM / FWTM Efficiency Peak intensity	LUXEON Z 55.0 + 7.5° / 73.0 + 20.0° 87 % 4.9 cd/lm	250 25 25 25 25 25 25 25 25 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Z 55.0 + 7.5° / 73.0 + 20.0° 87 % 4.9 cd/lm 1	25° 0° 25° 0° 25° 0° 25° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z 55.0 + 7.5° / 73.0 + 20.0° 87 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Z 55.0 + 7.5° / 73.0 + 20.0° 87 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z 55.0 + 7.5° / 73.0 + 20.0° 87 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z 55.0 + 7.5° / 73.0 + 20.0° 87 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z 55.0 + 7.5° / 73.0 + 20.0° 87 % 4.9 cd/lm 1 White	



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🕙 LUMIL	.EDS			90*	906
LED	LUXEON Z ES				
FWHM / FWTM	54.0 + 9.6° / 74.0 + 25.0°			25	
Efficiency	85 %				
Peak intensity	3.8 cd/lm			500 July 1600	> 1 > 1
LEDs/each optic	1				
Light colour	White			10°   2430	435
Required compone	ents:				
					$\rightarrow X$
				30° 4000	3(*
				15% 0%	15°
				90*	90*
LED	NCSxx19A			75	
FWHM / FWTM	46.0 + 12.0° / 70.0 + 34.0°				
Efficiency	82 %			60°	604
Peak intensity	3.3 cd/lm				
LEDs/each optic	1			1500	
Light colour	White			95°	434
Required compone	ents:			2430	
				30.	30
				90°	30,
LED	NCSxx19B	CA11364_HEIDT-O_INCBX	x1981		
FWHM / FWTM	55.0 + 11.0° / 77.0 + 29.0°			75	27
Efficiency	83 %				
Peak intensity	3.6 cd/lm		_	60 <sup>4</sup>	
LEDs/each optic	1				$ \times $
Light colour	White			œr i i i i i i i i i i i i i i i i i i i	435
				2430	
Required compone	ents:				
Required compone	ents:				
kequirea compone	nts.				
kequirea compone	nts:			94°	
				34 <sup>4</sup> 35 <sup>7</sup> 49,0	13°
<i>∭</i> NICHI∕	•			20°	12 <sup>2</sup> 30
	NVSxx19A				35"
ED FWHM / FWTM	NVSxx19A 50.0 + 12.0° / 76.0 + 35.0°			90°	350
ED FWHM / FWTM Efficiency	NVSxx19A 50.0 + 12.0° / 76.0 + 35.0° 82 %			50°	35°
ED FWHM / FWTM Efficiency Peak intensity	NVSxx19A 50.0 + 12.0° / 76.0 + 35.0° 82 % 3 cd/lm			50 <sup>1</sup>	19°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSxx19A 50.0 + 12.0° / 76.0 + 35.0° 82 % 3 cd/lm 1			50°	EP K
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A 50.0 + 12.0° / 76.0 + 35.0° 82 % 3 cd/lm 1 White			50 <sup>1</sup>	EP K
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSxx19A 50.0 + 12.0° / 76.0 + 35.0° 82 % 3 cd/lm 1 White			50 <sup>1</sup>	19°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A 50.0 + 12.0° / 76.0 + 35.0° 82 % 3 cd/lm 1 White			50 <sup>1</sup>	19°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A 50.0 + 12.0° / 76.0 + 35.0° 82 % 3 cd/lm 1 White			50 <sup>1</sup>	19°



Mauri		
		90°
LED	NVSxx19B/NVSxx19C	77
FWHM / FWTM	48.0 + 15.0° / 74.0 + 36.0°	
Efficiency	82 %	50* · · · · · · · · · · · · · · · · · · ·
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts.	
		200
		30 <sup>4</sup> 15 <sup>4</sup> 0 <sup>4</sup> 15 <sup>4</sup>
<b>ØNICHI</b>		»· <b>7</b> 5
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	54.0 + 12.0° / 78.0 + 33.0°	
Efficiency	92 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	
Light colour	White	54
Required compone	nts:	200
		30.
OSRAM Opto Semiconductors		894
Onto Semiconductors		90°
	OSLON Square CSSRM2/CSSRM3	
Opto Semiconductors LED FWHM / FWTM	OSLON Square CSSRM2/CSSRM3 52.0 + 13.0° / 80.0 + 32.0°	20°
LED		27 27 20
LED FWHM / FWTM Efficiency	52.0 + 13.0° / 80.0 + 32.0°	
LED FWHM / FWTM	52.0 + 13.0° / 80.0 + 32.0° 80 %	30* 23 00 00 00 150
LED FWHM / FWTM Efficiency Peak intensity	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm	27 77 000 00 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White	97 77 61 61 67 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White	77 <sup>5</sup> 77 <sup>5</sup> 64 97 97 97 90 160 160 150
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White ints: OSLON Square EC 48.0 + 12.0° / 74.0 + 30.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White ints: OSLON Square EC 48.0 + 12.0° / 74.0 + 30.0° 86 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White ints: OSLON Square EC 48.0 + 12.0° / 74.0 + 30.0° 86 % 3.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White ints: OSLON Square EC 48.0 + 12.0° / 74.0 + 30.0° 86 % 3.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White ints: OSLON Square EC 48.0 + 12.0° / 74.0 + 30.0° 86 % 3.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White ints: OSLON Square EC 48.0 + 12.0° / 74.0 + 30.0° 86 % 3.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White ints: OSLON Square EC 48.0 + 12.0° / 74.0 + 30.0° 86 % 3.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	52.0 + 13.0° / 80.0 + 32.0° 80 % 3.7 cd/lm 1 White ints: OSLON Square EC 48.0 + 12.0° / 74.0 + 30.0° 86 % 3.5 cd/lm 1 White	



OSRAM			90.6	90*
Opto Semiconductors	OSLON SSL 150			
FWHM / FWTM	50.0 + 8.0° / 75.0 + 22.0°		75*	
Efficiency	85 %			$\langle \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
Peak intensity	4.5 cd/lm		60* 1600	60*
LEDs/each optic	1			$\land$
Light colour	White		97°	45*
Required compone			3200	$\bigwedge$
				34.
			30 48b0 00 00	15*
OSRAM Opto Semiconductors			90*	90*
LED	OSLON SSL 80			
FWHM / FWTM	47.0 + 8.0° / 73.0 + 27.0°			A
Efficiency	83 %		60.5	
Peak intensity	4.1 cd/lm		1600	
LEDs/each optic	1			$\setminus$
Light colour	White		95*	45*
Required compone	ents:			$\boldsymbol{\mathcal{A}}$
			3200	
			302	360
PHILIF				
			90*	90*
LED	Fortimo FastFlex 2x8 DS G3		75*	75"
FWHM / FWTM	55.0 + 11.0° / 77.0 + 32.0°		75	- 25"
FWHM / FWTM Efficiency	55.0 + 11.0° / 77.0 + 32.0° 86 %		99 90	
FWHM / FWTM Efficiency Peak intensity	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm		20 00 160	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1		79 by 1600	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White		25 60 60 60 60 1609 90 1609	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White		90 90 90 90 90 90 90 90 90 90 90 90 90 9	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White		99 90 90 90 90 90 90 90 90 90 90 90 90 9	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White		90 60 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White		200 200 200 200 200 200 200 200	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White ints:		24 25 26 26 20 20 20 20 20 20 20 20 20 20 20 20 20	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White Ints:		90 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White Ints:		90 90 90 90 90 90 90 90 90 90	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White Ints: JNG LH181A 52.0 + 12.0° / 76.0 + 36.0°		90 <sup>4</sup> 90 <sup>4</sup> 90 <sup>4</sup> 90 <sup>4</sup>	94 95 95
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White ints: <b>JNGG</b> LH181A 52.0 + 12.0° / 76.0 + 36.0° 93 %		90 90 90 90 90 90 90 90 90 90 90 90 90 9	94 95 95
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White ints: <b>JNG</b> LH181A 52.0 + 12.0° / 76.0 + 36.0° 93 % 2.8 cd/lm		90 90 90 90 90 90 90 90 90 90 90 90 90 9	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White ints: <b>JNG</b> LH181A 52.0 + 12.0° / 76.0 + 36.0° 93 % 2.8 cd/lm 1		90 90 90 90 90 90 90 90 90 90 90 90 90 9	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White ints: <b>JNG</b> LH181A 52.0 + 12.0° / 76.0 + 36.0° 93 % 2.8 cd/lm 1 White			2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White ints: <b>JNG</b> LH181A 52.0 + 12.0° / 76.0 + 36.0° 93 % 2.8 cd/lm 1 White			27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White ints: <b>JNG</b> LH181A 52.0 + 12.0° / 76.0 + 36.0° 93 % 2.8 cd/lm 1 White			27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANNSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0 + 11.0° / 77.0 + 32.0° 86 % 3.7 cd/lm 1 White ints: <b>JNG</b> LH181A 52.0 + 12.0° / 76.0 + 36.0° 93 % 2.8 cd/lm 1 White			2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2



SAMS	UNG	80*
LED	LH181B	
FWHM / FWTM	53.0 + 13.0° / 75.0 + 35.0°	
Efficiency	90 %	
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		30
<u>сллсі</u>		10 <sup>-</sup> 2 <sup>0</sup> / <sub>2</sub> 10 <sup>-</sup>
SVWSI		50* SC
LED	LH351B	72
FWHM / FWTM	51.0 + 13.0° / 77.0 + 34.0°	
Efficiency	84 %	
Peak intensity	3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		34 <sup>4</sup> 2520 30
SAMS	UNG	50° X
		99* 9
LED	LH351Z	30 <sup>3</sup> 9
LED FWHM / FWTM	LH351Z 54.0 + 12.0° / 78.0 + 32.0°	
LED FWHM / FWTM Efficiency	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 %	
LED FWHM / FWTM Efficiency Peak intensity	LH351Z 54.0 + 12.0° / 78.0 + 32.0°	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM Efficiency	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White ents: Z5 50.0 + 9.0° / 74.0 + 23.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone secul semiconductor LED FWHM / FWTM Efficiency Peak intensity	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White ents: Z5 50.0 + 9.0° / 74.0 + 23.0° 86 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White ents: Z5 50.0 + 9.0° / 74.0 + 23.0° 86 % 4.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White ents: Z5 50.0 + 9.0° / 74.0 + 23.0° 86 % 4.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White ents: Z5 50.0 + 9.0° / 74.0 + 23.0° 86 % 4.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White ents: Z5 50.0 + 9.0° / 74.0 + 23.0° 86 % 4.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stour.stmiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351Z 54.0 + 12.0° / 78.0 + 32.0° 83 % 3.6 cd/lm 1 White ents: Z5 50.0 + 9.0° / 74.0 + 23.0° 86 % 4.8 cd/lm 1 White	



SEOUL			~ 1 1
SEOUL SEMICONDUCTOR		95°	90*
LED	Z5M1/Z5M2	7	
FWHM / FWTM	53.0 + 11.0° / 77.0 + 32.0°		
Efficiency	85 %		60*
Peak intensity	3.5 cd/lm		$\setminus$ 7
LEDs/each optic	1		. X
Light colour	White		45*
Required compone	ents:		$\langle \rangle$
			X
			$\sim$
		34	36.
		20 <sup>5</sup> of 15	
			~
SHA	RP	20*	90*
SHA LED	Double Dome (GM2BB)	»*	90*
		25	90*
LED	Double Dome (GM2BB)	90°	90*
LED FWHM / FWTM	Double Dome (GM2BB) 50.0 + 16.0° / 79.0 + 40.0°	72	90°
LED FWHM / FWTM Efficiency	Double Dome (GM2BB) 50.0 + 16.0° / 79.0 + 40.0° 85 %	72	99 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity	Double Dome (GM2BB) 50.0 + 16.0° / 79.0 + 40.0° 85 % 2.5 cd/lm	77.	90" 72" 60" 60"
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Double Dome (GM2BB) 50.0 + 16.0° / 79.0 + 40.0° 85 % 2.5 cd/lm 1 White	7. 67 900	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Double Dome (GM2BB) 50.0 + 16.0° / 79.0 + 40.0° 85 % 2.5 cd/lm 1 White	77.	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Double Dome (GM2BB) 50.0 + 16.0° / 79.0 + 40.0° 85 % 2.5 cd/lm 1 White	77.	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Double Dome (GM2BB) 50.0 + 16.0° / 79.0 + 40.0° 85 % 2.5 cd/lm 1 White	77.	



## PHOTOMETRIC DATA (SIMULATED):

	)S	50° 76 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HV 55.0 + 11.0° / 78.0 + 28.0° 90 % 3.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
	)S	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (150 deg) 52.0 + 10.0° / 76.0 + 20.0° 87 % 4.2 cd/lm 1 White	72
<b>Μ</b> ΝΙCΗΙΛ		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2x757G 54.0 + 12.0° / 78.0 + 29.0° 91 % 3.3 cd/lm 1 White	20° - 25° -
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFSx757G 54.0 + 10.0° / 78.0 + 28.0° 0 % 3.7 cd/lm 1 White	20- 20- 20- 20- 20- 20- 20- 20-



#### **PHOTOMETRIC DATA (SIMULATED):**

#### OSRAM

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

OSCONIQ P 3030  $53.0 + 8.0^{\circ} / 75.0 + 20.0^{\circ}$ 89 % 4.5 cd/lm 1 White

# OSRAM Opto Semiconductor

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

**OSLON Black Flat** 49.7 + 7.8° / 71.9 + 18.6° 93 % 5 cd/lm White

1

OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4716S 52.0 + 9.0° / 74.0 + 19.0° 93 % 1 IR		39° 295 00° 00°	60 10 10 10 10 10 10 10 10 10 1
SEOUL SEOUL SEMICONDUCTOR			90*	90*
	Z5M3			
SEOUL SEMICONDUCTOR	Z5M3 52.0 + 13.0° / 78.0 + 34.0°		90°	24
seoul semiconductor LED				
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	52.0 + 13.0° / 78.0 + 34.0°		75.	20
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	52.0 + 13.0° / 78.0 + 34.0° 90 % 3 cd/lm 1		29	500 607 757
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	52.0 + 13.0° / 78.0 + 34.0° 90 % 3 cd/lm		75	99 97



#### **PHOTOMETRIC DATA (SIMULATED):**

SEOUL SEOUL SEMICONDUCTOR		90 <sup>4</sup>
LED	Z5M4	75°
FWHM / FWTM	54.0 + 14.0° / 78.0 + 34.0°	
Efficiency	89 %	60 <sup>5</sup>
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	1500
Light colour	White	er er
Required components:		303



## PRODUCT DATASHEET CA11266\_HEIDI-O

#### **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:

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#### LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

#### LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

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