

PRODUCT DATASHEET CA12062_EMILY-D

EMILY-D

~11° diffused spot beam. 14.74 mm high lens.

SPECIFICATION:

Dimensions	Ø 26.0 mm
Height	14.7 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIALS:

Component EMILY-D SPUTNIK-TAPE **Type** Single lens Tape

Material	Colour	Finish
PMMA	clear	
Acrylic foam	black	

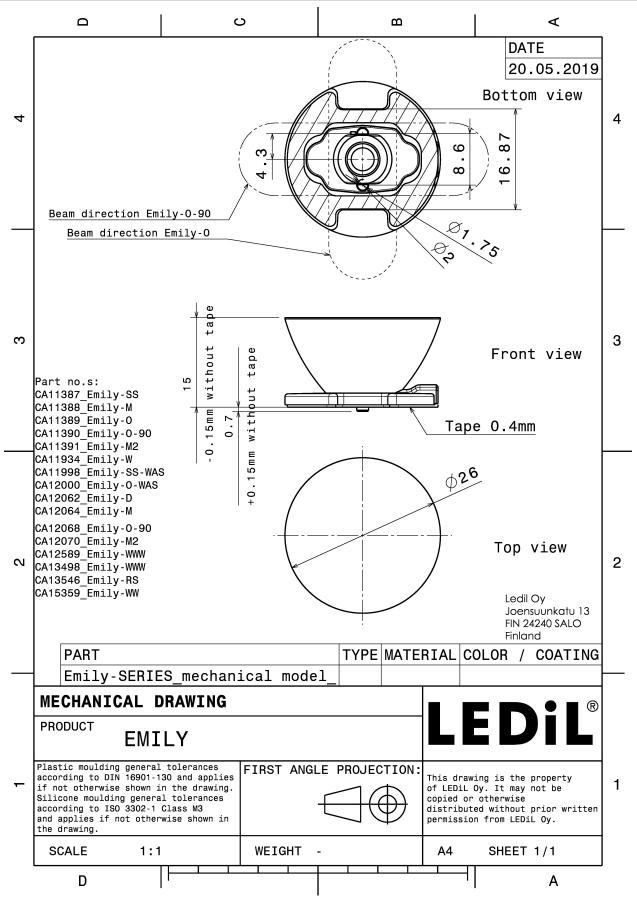
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12062_EMILY-D	Single lens	1690	260	130	10.5
» Box size: 480 x 280 x 300 mm					

» Box size: 480 x 280 x 300 mm



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



			50°
LED	XB-H		
FWHM / FWTM	10.0° / 22.0°		25*
Efficiency	89 %		
Peak intensity	17.5 cd/lm		605
LEDs/each optic	1		
Light colour	White		57
Required compone			
			30° 15° 1900 15°
			90° A
LED	XD16		
FWHM / FWTM	8.0° / 18.0°		
Efficiency	92 %		60*
Peak intensity	18.4 cd/lm		
LEDs/each optic	1		$\parallel \times / / \mid \mid \land \land \rangle$
Light colour	White		5°
Required compone	nts:		
			30* 15000
			15° 0° 15°
			90*
LEDS			
LED	XHP35 HI 11.0° / 22.0°		37 50
LED FWHM / FWTM	11.0° / 22.0°		20 20
LED FWHM / FWTM Efficiency	11.0° / 22.0° 92 %		80 32 34
LEDs LED FWHM / FWTM Efficiency Peak intensity	11.0° / 22.0° 92 % 14.5 cd/lm		61 75 60 60
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 92 % 14.5 cd/lm 1		g. 90 90 90 90 90 90 90 90 90 90 90 90 90
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 92 % 14.5 cd/lm 1 White		97 97 97 97 90 97 90
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 92 % 14.5 cd/lm 1 White		67 67 90 90 90 90 90 90 90 90 90 90
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 92 % 14.5 cd/lm 1 White		501 501 61 601 601 601 601
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 92 % 14.5 cd/lm 1 White		91 ⁴ 92 94 94 94 94 94 94 94 94 94 94
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	11.0° / 22.0° 92 % 14.5 cd/lm 1 White		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 92 % 14.5 cd/lm 1 White		500 50 50 50 50 50 50 50 50 50
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	11.0° / 22.0° 92 % 14.5 cd/lm 1 White		25 0 0 0 0 0 0 0 0 0 0 0 0 0
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	11.0° / 22.0° 92 % 14.5 cd/lm 1 White nts:		25 0 0 0 0 0 0 0 0 0 0 0 0 0
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	11.0° / 22.0° 92 % 14.5 cd/lm 1 White nts: XM-L 14.0° / 27.0° 90 %		25 0 0 0 0 0 0 0 0 0 0 0 0 0
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity	11.0° / 22.0° 92 % 14.5 cd/lm 1 White nts: XM-L 14.0° / 27.0°		25 0 0 0 0 0 0 0 0 0 0 0 0 0
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 92 % 14.5 cd/lm 1 White nts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1		25 0 0 0 0 0 0 0 0 0 0 0 0 0
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 92 % 14.5 cd/lm 1 White nts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1 White		25 0 0 0 0 0 0 0 0 0 0 0 0 0
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 22.0° 92 % 14.5 cd/lm 1 White nts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1 White		
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 92 % 14.5 cd/lm 1 White nts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1 White		
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 92 % 14.5 cd/lm 1 White nts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1 White		
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 22.0° 92 % 14.5 cd/lm 1 White nts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1 White		



			90°
LED	XM-L2		
FWHM / FWTM	14.0° / 27.0°		73
Efficiency	90 %		2200
Peak intensity	10.2 cd/lm		
LEDs/each optic	1		
Light colour	White		95* 6130
Required compone	ents:		
			9600
			30° 15° 0° 15°
LED	XP-E2		
FWHM / FWTM	8.0° / 18.0°		75
Efficiency	87 %		
Peak intensity	27.3 cd/lm		
LEDs/each optic	1		
Light colour	White		42*
Required compone	nts:		Level 1
			364
			15° 0° 15°
CREE 🚖			
			190*
LED	XP-G2	-	<u>39*</u>
LED FWHM / FWTM	10.0° / 20.0°		90°
LED FWHM / FWTM Efficiency	10.0° / 20.0° 90 %		94* 25 645
LED FWHM / FWTM Efficiency Peak intensity	10.0° / 20.0° 90 % 20.8 cd/lm		64 25 26
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 90 % 20.8 cd/lm 1		87 197 197
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 90 % 20.8 cd/lm 1 White		a. 22 24 24
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 90 % 20.8 cd/lm 1 White		94° 27 84° 87 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 90 % 20.8 cd/lm 1 White		50° 73° 60° 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 90 % 20.8 cd/lm 1 White		g. g. g. g.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	10.0° / 20.0° 90 % 20.8 cd/lm 1 White		50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 90 % 20.8 cd/lm 1 White		2000 2010
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	10.0° / 20.0° 90 % 20.8 cd/lm 1 White		2000 20 ¹⁰ 20 ¹⁰
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	10.0° / 20.0° 90 % 20.8 cd/lm 1 White ints:		34° 257 0¢ 35°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	10.0° / 20.0° 90 % 20.8 cd/lm 1 White Ints:		2000 20 ¹⁰ 20 ¹⁰
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency Peak intensity	10.0° / 20.0° 90 % 20.8 cd/lm 1 White Ints: XP-G3 11.0° / 24.0°		2000 20 ¹⁰ 20 ¹⁰
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 90 % 20.8 cd/lm 1 White ints: XP-G3 11.0° / 24.0° 94 % 13 cd/lm 1		2000 20 ¹⁰ 20 ¹⁰
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	10.0° / 20.0° 90 % 20.8 cd/lm 1 White ints: XP-G3 11.0° / 24.0° 94 % 13 cd/lm 1 White		2000 20 ¹⁰ 20 ¹⁰
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 90 % 20.8 cd/lm 1 White ints: XP-G3 11.0° / 24.0° 94 % 13 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 90 % 20.8 cd/lm 1 White ints: XP-G3 11.0° / 24.0° 94 % 13 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 90 % 20.8 cd/lm 1 White ints: XP-G3 11.0° / 24.0° 94 % 13 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE EDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 90 % 20.8 cd/lm 1 White ints: XP-G3 11.0° / 24.0° 94 % 13 cd/lm 1 White		



CREE \$\lefter LED XP-L HD FWHM / FWTM 13.0° / 26.0° Efficiency 90 % Peak intensity 10.2 cd/lm LEDs/each optic 1 Light colour White	90*
LEDXP-L HDImage: state of the state	75
FWHM / FWTM 13.0° / 26.0° Efficiency 90 % Peak intensity 10.2 cd/lm LEDs/each optic 1 Light colour White	75
Efficiency 90 % Peak intensity 10.2 cd/lm LEDs/each optic 1 Light colour White	
Peak intensity 10.2 cd/lm LEDs/each optic 1 Light colour White	
LEDs/each optic 1 Light colour White	() (eó.
Light colour White	
	45.
Required components:	
20% 0	t2,
	90*
LED XP-L HI	
FWHM / FWTM 9.0° / 19.0°	× 1
Efficiency 87 %	
Peak intensity 20 cd/lm	
LEDs/each optic 1	
Light colour White	45*
Required components:	
345	360
LED XT-E	
FWHM / FWTM 9.0°	
Efficiency %	
Peak intensity 14 cd/lm	
LEDs/each optic 1	
Light colour White	
Required components:	
UMILEDS	
LED LUXEON A	
FWHM / FWTM 11.0°	
Efficiency 91 %	
LEDs/each optic 1	
Light colour White	
Required components:	



UMIL	EDS	99°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	LUXEON Rebel ES 10.0° 91 % 1 White nts:	22, 6, 12, 25, 25, 25, 25, 25, 25, 25, 25, 25, 2
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NS9x383 14.0° / 30.0° 90 % 7.9 cd/lm 1 White	34. 200 200 200 200 200 200 200 20
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 9.0° / 20.0° 86 % 20.1 cd/lm 1 White nts:	
SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351B 12.0° / 25.0° 88 % 14 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20



SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351Z 10.0° / 21.0° 88 % 20 cd/lm 1 White		20- 20- 20- 20- 1200 00- 1200 00- 1200 00- 1200 00- 1200 00- 1200 00- 1200 00- 120 120 120 120 120 120 120 120
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M1/Z5M2 10.0° / 20.0° 94 % 18.2 cd/lm 1 White ents:		20 20 20 20 20 20 20 20 20 20
SEQUI SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required compone	Z8Y22P 11.0° / 24.0° 93 % 11.3 cd/lm 1 White ents:		



		· · · · · · · · · · · · · · · · · · ·
		90* 90*
LED	XHP35.2 HD	
FWHM / FWTM	16.0° / 30.0°	75* 75*
Efficiency	93 %	
Peak intensity	8.2 cd/lm	60° 60°
LEDs/each optic	1 White	5°
Light colour Required components:	White	
Required components.		600
		30* 15* 0* 15*
CREE ÷		
		90° 90°
		75*
LED	XM-L HVW	$ \land \land \land$
FWHM / FWTM	14.0° / 27.0°	60° 500 60°
Efficiency	%	
LEDs/each optic	1	
Light colour	White	9× 63*
Required components:		
		300 3000 300
		15° 0° 15°
CREE ≑		7
		7
LED	XP-G2 HE	7
LED FWHM / FWTM	12.0° / 24.0°	7
LED FWHM / FWTM Efficiency	12.0° / 24.0° 95 %	7
LED FWHM / FWTM Efficiency Peak intensity	12.0° / 24.0° 95 % 15.2 cd/lm	7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0° / 24.0° 95 % 15.2 cd/lm 1	7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 24.0° 95 % 15.2 cd/lm	7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0° / 24.0° 95 % 15.2 cd/lm 1	57 07 127 097 097 097 007 007 007 007 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 24.0° 95 % 15.2 cd/lm 1	57 07 127 097 097 097 007 007 007 007 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 24.0° 95 % 15.2 cd/lm 1	1000 000 000 000 000 000 000 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 24.0° 95 % 15.2 cd/lm 1	22. 23. 23. 23. 23. 23. 23. 23. 35. 23. 35. 35.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30 1000 24 41 1000 40 62 90 92 63 90 92 65 900 95 95 90 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30 1000 24 41 1000 40 62 90 92 63 90 92 65 900 95 95 90 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30 1000 24 41 1000 40 62 90 92 63 90 92 65 900 95 95 90 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30, 1000 94, 44, 00,0 00,0 64, 00,0 00,0 65, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 67, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 24.0° 95 % 15.2 cd/lm 1 White S LUXEON C 8.0° / 16.0° 91 %	30 1000 24 41 1000 40 62 90 92 93 90 92 93 90 95 93 90 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30 1000 24 41 1000 40 62 90 92 93 90 92 93 90 95 93 90 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CONTINUED ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30, 1000 94, 44, 00,0 00,0 64, 00,0 00,0 65, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 67, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30, 1000 94, 44, 00,0 00,0 64, 00,0 00,0 65, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 66, 00,0 00,0 67, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0 75, 00,0 00,0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30 1000 34 30 400 400 400 40 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 50 400 400 50 50 50 400 50 50 50 400 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30 1000 34 30 400 400 400 40 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 400 400 400 50 50 400 400 50 50 50 400 50 50 50 400 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30 1000 24 41 1000 40 62 90 92 93 90 92 93 90 95 93 90 95



	DS S	90* A 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X 12.0° / 24.0° 96 % 14.7 cd/lm 1 White	75
)S	90° 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2Z 10.0° / 22.0° 96 % 18.9 cd/lm 1 White	37
A		<u>(15)</u> 0 ⁶ 15 ⁶
CUMILEE EVHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON MZ 14.0° / 28.0° 95 % 10.7 cd/lm 1 White	39°
	DS	90 ⁴ 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (120 deg) 8.0° / 16.0° 95 % 33.8 cd/lm 1 White	27



UMILEI)S		90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX 10.0° / 18.0° 95 % 24.3 cd/lm 1 White		24 29 00 19 19 19 19 19 19 19 19 19 19 19 19 19
)S		50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z ES 9.0° / 18.0° 96 % 28.4 cd/lm 1 White		25 60 60 50 50 50
A			30 ⁴ 15 ⁵ 0 ⁴ 15 ⁵
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxE17A 16.0° / 34.0° 89 % 6.3 cd/lm 4 White	300,0 -300,0 -300,0 X coordinate value	,0
			30° 255 0° 35°
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxE17A 10.0° / 20.0° 93 % 21.8 cd/lm 1 White		93 95 95 95 95 95 95 95 95 95 95 95 95 95



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 10.0° / 22.0° 94 % 18.6 cd/lm 1 White		20 00 12 0 21 00 0 22 0 23 0 25
OSRAM Opto Semiconductors			90° 90°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ C 2424 10.0° / 18.0° 96 % 24.8 cd/lm 1 White		
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 9.9° / 20.0° 94 % 22.5 cd/lm 1 White		50
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4725AS 11.0° / 22.0° 95 % 1 IR	ET E	20° 4° 10° 20° 9° 20° 9°



SEOUL SEOUL SEMICONDUCTOR		90 ⁴ A 90 ⁴
LED	Z5M4	27
FWHM / FWTM	12.0° / 24.0°	
Efficiency	96 %	60°
Peak intensity	15.1 cd/lm	
LEDs/each optic	1	
Light colour	White	g* 300
Required components		36 100 10 30



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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