

# PRODUCT DATASHEET CA16674\_OLGA-O

# OLGA-O

 ${\sim}20^\circ$  + 40° oval beam. Assembly with holder and installation tape.

### **SPECIFICATION:**

Dimensions	Ø 32.0 mm
Height	19.1 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



### **MATERIALS:**

Component OLGA-O OLGA-HLD SPUTNIK-TAPE3

Туре	
Single lens	
Holder	
Таре	

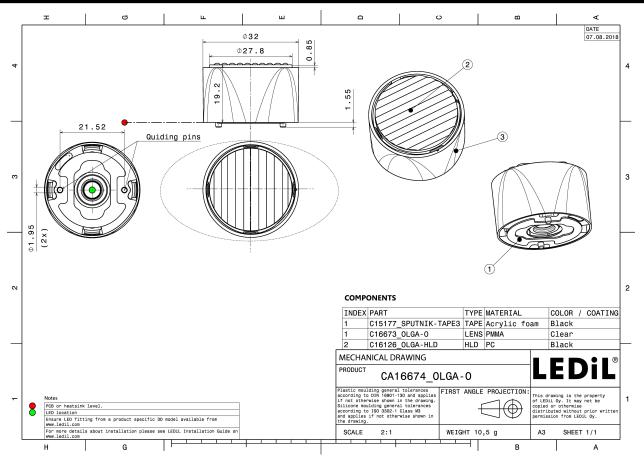
Material	Colour	Finish
PMMA	clear	
PC	black	
Acrylic foam	black	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16674_OLGA-O	Single lens	792	132	66	9.8
» Box size: 476 x 273 x 292 mm					



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



		90*	90°
LED	XHP50.2		
FWHM / FWTM	42.0 + 21.0° / 72.0 + 47.0°		75*
Efficiency	79 %		
Peak intensity	2.3 cd/lm	50 <sup>4</sup>	60*
LEDs/each optic	1		
Light colour	White	<b>5</b> ,	45°
Required compone			
required compone			
		20 <sup>10</sup> 2400 15 <sup>10</sup> (p <sup>2</sup> 15 <sup>10</sup>	30.
CREE ≑		394	90*
LEDS			50
LED	XM-L3	7	
FWHM / FWTM	43.0 + 15.0° / 65.0 + 34.0°		
Efficiency	86 %		60*
Peak intensity	3.5 cd/lm		
LEDs/each optic	1		
Light colour	White		45*
Required compone	ents:		
		30	36.
1		10 0 10	
CREE 🚖			1
			90°
LED	XP-E2		90*
LED FWHM / FWTM	44.0 + 10.0° / 60.0 + 23.0°		90* 75*
LED FWHM / FWTM Efficiency	44.0 + 10.0° / 60.0 + 23.0° 88 %		90 <sup>+</sup>
LED FWHM / FWTM Efficiency Peak intensity	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm		90 <sup>4</sup> 28* 00*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1		50* 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White		90° 25°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White		90 <sup>+</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White		90 <sup>+</sup> 25 <sup>+</sup> 65 <sup>+</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White		90 <sup>+</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White		90° 25° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White		90 <sup>°</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents:		90 <sup>*</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents:		60 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents: XQ-E HD 44.0 + 11.0° / 62.0 + 26.0°		100 - 100 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents: XQ-E HD 44.0 + 11.0° / 62.0 + 26.0° 80 %		64 10 10 10 10 10 10 10 10 10 10 10 10 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE ED FWHM / FWTM Efficiency Peak intensity	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents: XQ-E HD 44.0 + 11.0° / 62.0 + 26.0° 80 % 4.2 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White onts: XQ-E HD 44.0 + 11.0° / 62.0 + 26.0° 80 % 4.2 cd/lm 1		- 75° - 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents: XQ-E HD 44.0 + 11.0° / 62.0 + 26.0° 80 % 4.2 cd/lm 1 White		- 75° - 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents: XQ-E HD 44.0 + 11.0° / 62.0 + 26.0° 80 % 4.2 cd/lm 1 White		- 75° - 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents: XQ-E HD 44.0 + 11.0° / 62.0 + 26.0° 80 % 4.2 cd/lm 1 White		192 193 193 193 193 193 193 193 193 193 193
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents: XQ-E HD 44.0 + 11.0° / 62.0 + 26.0° 80 % 4.2 cd/lm 1 White		- 75°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREEES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents: XQ-E HD 44.0 + 11.0° / 62.0 + 26.0° 80 % 4.2 cd/lm 1 White		



ODEE A				
CREE ÷			90*	90
LED	XQ-E HI			
FWHM / FWTM	44.0 + 10.0° / 60.0 + 25.0°			
Efficiency	85 %		505	1600
Peak intensity	4.7 cd/lm		$\land$ / //	$\square \land \land \land \land$
LEDs/each optic	1		$\mid X \mid / $	$X \land A$
Light colour	White		95"	
Required compone	nts:			3230
			$L = \Lambda$	
			$ \times $	
			300	N. A.
			15%	o° 15°
			90*	A
LED	XT-E		Nº 1 1	$\wedge$ $\succ$ $\leftarrow$ .
FWHM / FWTM	44.0 + 13.0° / 65.0 + 30.0°		$\sim \times \Lambda$	
Efficiency	84 %		60.	
Peak intensity	3.8 cd/lm		r > H	1630
LEDs/each optic	1			
Light colour	White		er A	2430
Required compone	nts:			
				270
			30°	4000 30
			15%	er 13°
C LUMIL	EDS		90*	90
			90*	90
LED	LUXEON MZ	_	90°	
LED FWHM / FWTM	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0°	1	90°	000 × 100 ×
LED FWHM / FWTM Efficiency	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 %		60. 22. 20.	900 × 72
LED FWHM / FWTM Efficiency Peak intensity	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm		60 20	907
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1		80°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White		60.	907
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White		60.	907
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White		60.	00 x x x x x x x x x x x x x x x x x x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White		60.	00 500 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White		60.	00 x x x x x x x x x x x x x x x x x x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts:		60.	00 77 100 e
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts:		94 94 94 95 95 95	00 100 x00 x00 x00 x00 x00 x00 x00 x00 x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts:		35° 60° 30° 30°	00 100 x00 x00 x00 x00 x00 x00 x00 x00 x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts:		94 94 94 95 95 95	00 100 x00 x00 x00 x00 x00 x00 x00 x00 x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts: NCSxE17A 43.0 + 14.0° / 65.0 + 34.0° 84 %		94 94 94 95 95 95	00 100 x00 x00 x00 x00 x00 x00 x00 x00 x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts: NCSxE17A 43.0 + 14.0° / 65.0 + 34.0°		94 94 94 95 95 95	00 100 x00 x00 x00 x00 x00 x00 x00 x00 x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts: NCSxE17A 43.0 + 14.0° / 65.0 + 34.0° 84 % 3.5 cd/lm 1		94 94 94 95 95 95	00 100 x00 x00 x00 x00 x00 x00 x00 x00 x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts: NCSxE17A 43.0 + 14.0° / 65.0 + 34.0° 84 % 3.5 cd/lm 1 White		94 94 94 95 95 95	00 100 x00 x00 x00 x00 x00 x00 x00 x00 x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts: NCSxE17A 43.0 + 14.0° / 65.0 + 34.0° 84 % 3.5 cd/lm 1 White		94 94 94 95 95 95	00 100 x00 x00 x00 x00 x00 x00 x00 x00 x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts: NCSxE17A 43.0 + 14.0° / 65.0 + 34.0° 84 % 3.5 cd/lm 1 White		94 94 94 95 95 95	00 100 x00 x00 x00 x00 x00 x00 x00 x00 x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ 43.0 + 18.0° / 67.0 + 39.0° 86 % 3 cd/lm 1 White nts: NCSxE17A 43.0 + 14.0° / 65.0 + 34.0° 84 % 3.5 cd/lm 1 White		94 94 94 95 95 95	00 100 x00 x00 x00 x00 x00 x00 x00 x00 x



Efficiency 88 % Peak intensity 4 cd/m LEDs/each optic 1 Light colour White Required components: OSRAM Opto Semiconductors LED Duris S FWHM / FWTM 43.0 + Efficiency 85 % Peak intensity 2.3 cd/ LEDs/each optic 1 Light colour White Required components: OSRAM Opto Semiconductors	13.0° / 64.0 + 30.0° h S8 23.0° / 72.0 + 49.0°	
LED Duris S FWHM / FWTM 43.0 + Efficiency 85 % Peak intensity 2.3 cd/ LEDs/each optic 1 Light colour White Required components COSRAM Opto Semiconductors LED OSTAT FWHM / FWTM 44.0 + Efficiency 87 % Peak intensity 3.9 cd/ LEDs/each optic 1	23.0° / 72.0 + 49.0°	77 7 60 60 60 67 5 50 5 50 5 50 5 50 5 50 5 50 5 50 5 5
LED Duris S FWHM / FWTM 43.0 + Efficiency 85 % Peak intensity 2.3 cd/ LEDs/each optic 1 Light colour White Required components COSRAM Opto Semiconductors LED OSTAT FWHM / FWTM 44.0 + Efficiency 87 % Peak intensity 3.9 cd/ LEDs/each optic 1	23.0° / 72.0 + 49.0°	309 34*20030
Opto SemiconductorsLEDOSTAIFWHM / FWTM44.0 +Efficiency87 %Peak intensity3.9 cd/LEDs/each optic1		15 0 15
LEDOSTAIFWHM / FWTM44.0 +Efficiency87 %Peak intensity3.9 cd/LEDs/each optic1		
Required components:		27 000 77 60 00 77 77 77 77 77 77 77 77 77 77 77 77 77
SAMSUNG		25 <sup>°</sup> 0 <sup>°</sup> 25 <sup>°</sup>
LED LH231	B 16.0° / 67.0 + 37.0°	94 95 73 64 67 67 500 500



SEOUL SEMICONDUCTOR		30'*	90*
LED	WICOP 5050		
FWHM / FWTM	41.0 + 21.0° / 72.0 + 45.0°	77	1
Efficiency	82 %	er 200	$\mathbb{N}$
Peak intensity	2.4 cd/lm		
LEDs/each optic	1		
Light colour	White	g.	43*
Required compone	ents:		
		30.	300
		125 <sup>4</sup> 0 <sup>5</sup>	15°
SEOUL		80*	90*
SEOUL SEMICONDUCTOR		50*	90°
seoul semiconductor	Z5M3	29 <sup>-</sup>	50*
SEOUL SEMICONDUCTOR	Z5M3 43.0 + 14.0° / 65.0 + 34.0°		90*
seoul semiconductor		75	90°
seoul semiconductor LED FWHM / FWTM	43.0 + 14.0° / 65.0 + 34.0°	75-	99°
seoul semiconductor LED FWHM / FWTM Efficiency	43.0 + 14.0° / 65.0 + 34.0° 84 %	77	99 <sup>4</sup>
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	43.0 + 14.0° / 65.0 + 34.0° 84 % 3.4 cd/lm	75-	54 72 60 60
stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	43.0 + 14.0° / 65.0 + 34.0° 84 % 3.4 cd/lm 1 White	79 60 100	
stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0 + 14.0° / 65.0 + 34.0° 84 % 3.4 cd/lm 1 White	55 65 65 75 75 700	
stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0 + 14.0° / 65.0 + 34.0° 84 % 3.4 cd/lm 1 White	55 65 65 75 75 700	
stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0 + 14.0° / 65.0 + 34.0° 84 % 3.4 cd/lm 1 White	55 65 65 75 75 700	



CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35 HI 11.0 + 42.0° 90 % 5 cd/lm 1 White	20- 20- 20- 20- 20- 20- 20- 20-
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP50.3 HD 40.0 + 18.0° / 67.0 + 38.0° 87 % 3.1 cd/lm 1 White	5)* 5)* 6)* 5)* 5)* 5)* 5)* 500 500 500 500 500 500 60* 60* 60* 60* 60* 60* 60* 60* 60* 6
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP50.3 HI 42.0 + 14.0° / 65.0 + 34.0° 95 % 3.6 cd/lm 1 White	5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 9.5 + 42.0° 90 % 5.5 cd/lm 1 White	



		90* 90*
LED	XP-G2 HE	
FWHM / FWTM	42.0 + 12.0° / 60.0 + 26.0°	75°
Efficiency	91 %	
Peak intensity	4.7 cd/lm	
LEDs/each optic	1	
Light colour	White	974 05
Required components:		3200
		129 0° 129 30°
		90° 90°
	VD 00	90° 90°
LED	XP-G3	73*
FWHM / FWTM	42.0 + 12.0° / 60.0 + 28.0°	
Efficiency	89 %	60 <sup>4</sup> 1600 60 <sup>4</sup>
Peak intensity	4.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		3200
		$\times$ / $\times$ / $\times$
		30* 100 100 100 30*
		15° 0° 15°
CREE <del>÷</del>		
		50°
LED	XP-L HI	35°
LED FWHM / FWTM	12.0 + 42.0°	27 29 29 29
LED FWHM / FWTM Efficiency	12.0 + 42.0° 88 %	60, 60, 60, 70, 70, 70, 70, 70, 70, 70, 70, 70, 7
LED FWHM / FWTM Efficiency Peak intensity	12.0 + 42.0°	91 <sup>4</sup> 90 <sup>4</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0 + 42.0° 88 % 4.2 cd/lm 1	50 <sup>4</sup> 50 <sup>2</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0 + 42.0° 88 % 4.2 cd/lm	0°. 0°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0 + 42.0° 88 % 4.2 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0 + 42.0° 88 % 4.2 cd/lm 1	99° 99° 99° 99° 125 1250 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0 + 42.0° 88 % 4.2 cd/lm 1	90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0 + 42.0° 88 % 4.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White	24° 127 400 127 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White S LUXEON 7070	24° 127 400 127 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White S LUXEON 7070 42.0 + 20.0° / 76.0 + 60.0° 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White UXEON 7070 42.0 + 20.0° / 76.0 + 60.0° 92 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White UXEON 7070 42.0 + 20.0° / 76.0 + 60.0° 92 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>CONTINUES</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0 + 42.0° 88 % 4.2 cd/lm 1 White UXEON 7070 42.0 + 20.0° / 76.0 + 60.0° 92 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White UXEON 7070 42.0 + 20.0° / 76.0 + 60.0° 92 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White UXEON 7070 42.0 + 20.0° / 76.0 + 60.0° 92 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0 + 42.0° 88 % 4.2 cd/lm 1 White UXEON 7070 42.0 + 20.0° / 76.0 + 60.0° 92 % 2.1 cd/lm 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2

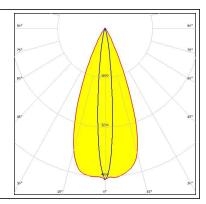


	S	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON M/MX 20.0 + 40.0° 86 % 2.6 cd/lm 1 White	25 67 67 67 67 67 67 67 67 67 67 67 67 67
	PS	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SST-70X-WCS 41.0 + 16.0° / 65.0 + 34.0° 90 % 3.6 cd/lm 1 White	24° 25° 26° 25°
<b>Μ</b> ΝΙCΗΙΛ		201 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 42.0 + 16.0° / 64.0 + 36.0° 90 % 3.6 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris S10 42.0 + 20.0° / 72.0 + 54.0° 86 % 2.3 cd/lm 1 White	20° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0



#### OSRAM Opto Semiconductors

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSLON Square CSSRM2/CSSRM3 42.0 + 12.0° / 61.0 + 24.0° 90 % 4.9 cd/lm 1 White





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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:

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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