

# 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	

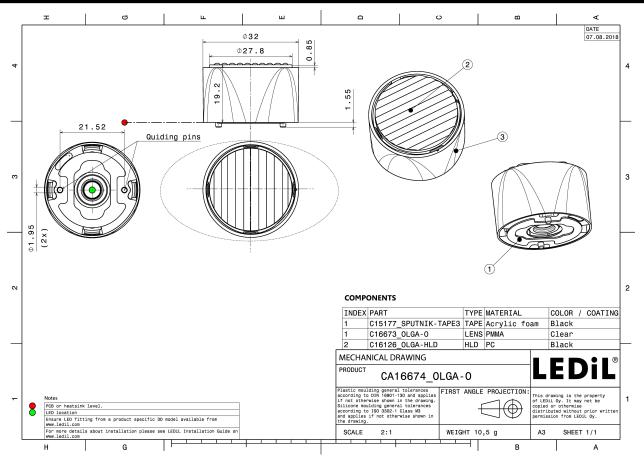
Material	Colour	Finish
PMMA	clear	
PC	black	
Acrylic foam	black	

### **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



	D	59'	90
LED	XHP50.2		
FWHM / FWTM	42.0 + 21.0° / 72.0 + 47.0°		2
Efficiency	79 %		
Peak intensity	2.3 cd/lm		60
LEDs/each optic	1		
Light colour	White	gr .	45
Required compone			
		30' 200	36
		157 0	15'
		391	90'
	XM-L3	3	7 75
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		
Required compone	ents:		
		30'	15° 36'
	6		
UREE T		*00	90
			90
LED	XP-E2		30
LED FWHM / FWTM	XP-E2 44.0 + 10.0° / 60.0 + 23.0°		
LED FWHM / FWTM Efficiency	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 %		90 75
LED FWHM / FWTM Efficiency Peak intensity	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm	90 <sup>4</sup> 73 60 <sup>4</sup>	50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White		90 72 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White	9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9	00 72 01 01
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White		99 72 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents:		99 79 00 65
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents:		59 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents:		99 72 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents:		99 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 44.0 + 10.0° / 60.0 + 23.0° 88 % 5.4 cd/lm 1 White ents:		57 57 57 57 57 57 57 57 57 57 57 57 57 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 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°		99 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone	XP-E2 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 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE CLE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 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		60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity LEDs/each optic	XP-E2 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		60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE CLE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 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		60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE CELE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 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		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE CELE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 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		



	D	80°
LED	XQ-E HI	
FWHM / FWTM	44.0 + 10.0° / 60.0 + 25.0°	
Efficiency	85 %	
Peak intensity	4.7 cd/lm	
LEDs/each optic	1	
Light colour	White	g. G.
Required compone	ents:	
		21.0
	D	201 0 25 201 99 <sup>4</sup> 99 <sup>4</sup>
LED	XT-E	
FWHM / FWTM	44.0 + 13.0° / 65.0 + 30.0°	75 75
Efficiency	84 %	
Peak intensity	3.8 cd/lm	6 <sup>4</sup> 6 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	g <sup>*</sup> 200 g*
Required compone		
		90 4000 500 155 <sup>4</sup> 0 <sup>4</sup> 155 <sup>6</sup>
🥙 LUMIL	.EDS	5 <sup>4</sup>
LED	LUXEON MZ	75
FWHM / FWTM	43.0 + 18.0° / 67.0 + 39.0°	
Efficiency	86 %	en la construction de la
Peak intensity	3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		200
		30°
ØNICHI/	N Contraction of the second se	55* 50*
LED	NCSxE17A	71
FWHM / FWTM	43.0 + 14.0° / 65.0 + 34.0°	73
Efficiency	84 %	
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	
Light colour	White	er.
Required compone	ents:	
		300 / 300
1		13% 00 133



Efficiency 88 % Peak intensity 4 cd/m LEDs/each optic 1 Light colour White Required components:	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	



# **OPTICAL RESULTS (SIMULATED):**

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	27 - 12 - 27 - 27 - 27 - 27 - 27 - 27 -
CREE©LED 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	20, 0, 12, 0, 12, 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:	XHP50.3 HI 42.0 + 14.0° / 65.0 + 34.0° 95 % 3.6 cd/lm 1 White	97 97 66 67 200 200 200 200 200 200 200 20
CREE LED 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	



# **OPTICAL RESULTS (SIMULATED):**

CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 42.0 + 12.0° / 60.0 + 26.0° 91 % 4.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-L HI 12.0 + 42.0° 88 % 4.2 cd/lm 1 White	200 201 201 201 201 201 201 201
EUMILEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 42.0 + 20.0° / 76.0 + 60.0° 92 % 2.1 cd/lm 1 White	30° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
ED 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	200 200 200 200 200 200 200 200 200 200



# **OPTICAL RESULTS (SIMULATED):**

	P	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	200 6. 200 200 200 200 200 200 200 200 200 20
<b>ΜΝΙCΗΙΛ</b>		90*
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		90* 90
Up Semechaldors 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	27 27 29 20 20 20 20 20 20 20 20 20 20 20 20 20
OSRAM		90* 90
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	27 64 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7



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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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