

PRODUCT DATASHEET CA16128_OLGA-M

OLGA-M

 ${\sim}30^\circ$ wide beam. Assembly with holder and installation tape.

SPECIFICATION:

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



MATERIALS:

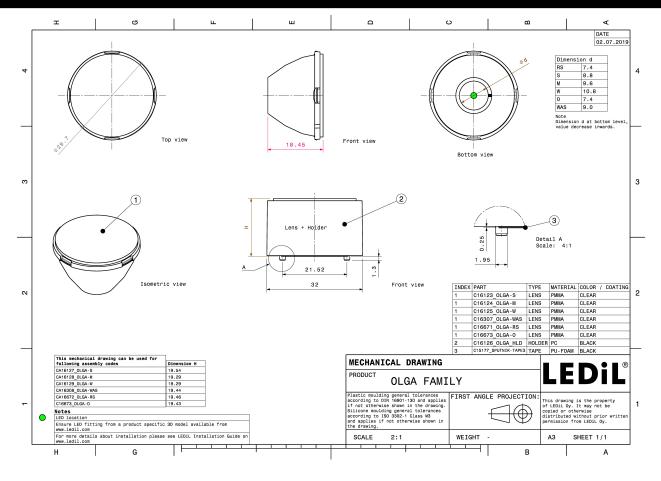
Component OLGA-M OLGA-HLD SPUTNIK-TAPE3 **Type** Single lens Holder Tape

Material	Colour	Finish
PMMA	clear	
PC	black	
Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16128_OLGA-M	Single lens	792	132	66	9.8
» Box size: 476 x 273 x 292 mm					

PRODUCT DATASHEET CA16128_OLGA-M



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



		90° 90°
LED	XD16	
FWHM / FWTM	26.0° / 48.0°	75*
Efficiency	80 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	1600
Light colour	White	at et
Required compone	nts:	500 Sta
		34. 34.
		1257 0 ⁶ 35°
		30'
	XHP35 HD	73. 75.
FWHM / FWTM	32.0° / 58.0° 80 %	
Efficiency Peak intensity	2.1 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	#*
Required component		
Trequired component		
		30° 455 0° 35'
		504 507
	ХНР35 НІ	
		90 ⁴ 90 ⁴
LED	XHP35 HI	00 97 97 90 90 90 90 90 90
LED FWHM / FWTM	XHP35 HI 28.0° / 51.0°	90 ⁴ 23 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1	et e
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White	6. 6. 6. 6. 6. 6. 6. 72. 75. 75. 75. 75. 75. 75. 75. 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White	et e
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White	et e
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White	et e
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White	et e
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White nts:	gr 00 00 00 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White nts:	er dr dr dr dr dr dr dr dr dr d
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White Ints:	er dr dr dr dr dr dr dr dr dr d
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White nts:	er dr dr dr dr dr dr dr dr dr d
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White hts: XHP50 32.0° / 60.0° 81 %	er dr dr dr dr dr dr dr dr dr d
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White nts:	er dr dr dr dr dr dr dr dr dr d
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White nts: XHP50 32.0° / 60.0° 81 % 2.1 cd/lm	er dr dr dr dr dr dr dr dr dr d
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White nts: XHP50 32.0° / 60.0° 81 % 2.1 cd/lm 1 White	er dr dr dr dr dr dr dr dr dr d
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White nts: XHP50 32.0° / 60.0° 81 % 2.1 cd/lm 1 White	er dr dr dr dr dr dr dr dr dr d
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White nts: XHP50 32.0° / 60.0° 81 % 2.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP35 HI 28.0° / 51.0° 84 % 2.8 cd/lm 1 White nts: XHP50 32.0° / 60.0° 81 % 2.1 cd/lm 1 White	



			90*	90*
LED	XHP50.2			
FWHM / FWTM	31.0° / 58.0°		75*	2
Efficiency	81 %			
Peak intensity	2.3 cd/lm		60°	
LEDs/each optic	1			
Light colour	White		95°	45*
Required compone			1630	-H
			30* 2450	34.
	_		15° 0°	15,
			90*	90°
LED	XHP70			
FWHM / FWTM	33.0° / 63.0°		400	KX7
Efficiency	82 %		60°	
Peak intensity	2 cd/lm			$-N \times 1$
LEDs/each optic	1			
Light colour	White		45%	45*
Required compone	nts:			AX.
				H
			30°	30.0
				10
	1			FI
			90*	90*
LED	XHP70.2	1000	39*	90*
LED FWHM / FWTM	XHP70.2 34.0° / 64.0°		395	30'
LED FWHM / FWTM Efficiency	XHP70.2 34.0° / 64.0° 81 %	5	90 ⁴ 75 ⁵ 60 ⁴	90°
LED FWHM / FWTM Efficiency Peak intensity	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm	0	99* 755 609 609	90 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1		775 604 604	100 700 700 700 700
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White	0	50°	6°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White		775 (00 100 ⁴ (00 100 100 1100	5 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White		775 604 604	9 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White		775 (00 100 ⁴ (00 100 100 1100	9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts:		775 (00 100 ⁴ (00 100 100 1100	99 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts:			12.0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts:			12.0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts:			12.0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts:			99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts: XM-L 31.0° / 55.0°			15*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE CLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts: XM-L 31.0° / 55.0° 83 % 2.4 cd/lm 1			12.0
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	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts: XM-L 31.0° / 55.0° 83 % 2.4 cd/lm 1 White			12.0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE CLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts: XM-L 31.0° / 55.0° 83 % 2.4 cd/lm 1 White			15°
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	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts: XM-L 31.0° / 55.0° 83 % 2.4 cd/lm 1 White			25. 25.
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	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts: XM-L 31.0° / 55.0° 83 % 2.4 cd/lm 1 White			15°
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	XHP70.2 34.0° / 64.0° 81 % 1.9 cd/lm 1 White nts: XM-L 31.0° / 55.0° 83 % 2.4 cd/lm 1 White			25. 25.



		90* 90*
LED	XM-L3	
FWHM / FWTM	33.0° / 57.0°	
Efficiency	81 %	60*
Peak intensity	2.2 cd/lm	$\mathbf{K} / \mathbf{K} $
LEDs/each optic	1	
Light colour	White	57. St.
Required componer	nts:	1630
		30° 10° 300 10°
	XP-G2	
LED FWHM / FWTM	XP-G2 30.0° / 53.0°	
Efficiency	83 %	
Peak intensity	2.7 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	97* <u>1600</u> 97*
Required componer		
		2000
		30° 30° 30°
		50 ⁺ 90 ⁺
		39* 39*
LED	XP-G3 31.0° / 54.0°	59°
LED	XP-G3	80 22 26 26 26 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM	XP-G3 31.0° / 54.0°	50 ⁴
LED FWHM / FWTM Efficiency	XP-G3 31.0° / 54.0° 82 %	90 ⁴
LED FWHM / FWTM Efficiency Peak intensity	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm	a. 90 12 12 12 12 12 12 12 12 12 12
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White	9° 9° 6° 500 800 800 800 800 800 800 800 800 800
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White	9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White	0,- 0,- 0,- 0,- 0,- 0,- 0,- 0,- 0,- 0,-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts:	200 30 ⁴ 10 ⁵ 20 30 ⁴ 10 ⁵ 20 30 ⁴ 10 ⁵ 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts:	200 200 200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts:	203 30 ⁴ 203 30 ⁴ 203 30 ⁴ 203 30 ⁴ 32 ⁵ 32
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts: XP-L HI 28.0° / 50.0°	505 505 505 505 505 505 505 505 505 505
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts: XP-L HI 28.0° / 50.0° 85 %	<u>30</u> , <u>30</u> , <u>30</u> , <u>12</u> , <u>0</u> , <u>12</u> , <u>0</u> , <u>12</u> , <u>0</u> , <u>12</u> , <u>0</u> , <u>12</u> , <u>0</u> , <u>12</u> , <u>0</u> , <u>12</u> , <u></u>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts: XP-L HI 28.0° / 50.0° 85 % 3 cd/lm	604 904 124 124 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts: XP-L HI 28.0° / 50.0° 85 % 3 cd/lm 1	500 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts: XP-L HI 28.0° / 50.0° 85 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts: XP-L HI 28.0° / 50.0° 85 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts: XP-L HI 28.0° / 50.0° 85 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 31.0° / 54.0° 82 % 2.5 cd/lm 1 White nts: XP-L HI 28.0° / 50.0° 85 % 3 cd/lm 1 White	



ODEE A VIEW		
		90*
LED	XP-L2	
FWHM / FWTM	30.0° / 54.0°	73.
Efficiency	81 %	
Peak intensity	2.5 cd/lm	60*
LEDs/each optic	1	
Light colour	White	5 ¹ 5
Required componer		1000
		2430
		20 20 20 20 20 20 20 20 20 20 20 20 20 2
		50*
LED	XQ-E HD	
FWHM / FWTM	28.0° / 51.0°	
Efficiency	76 %	60°
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	45 ⁴ 65
Required componer	its:	
		2430
		30*
		13 0 120
		90* 90
LED	XQ-E HI	75
FWHM / FWTM	27.0° / 49.0°	
Efficiency	83 %	60* 60
Peak intensity	3.1 cd/lm	
LEDs/each optic		
	1	
Light colour	White	gr 300
	White	9 ⁴ 500 5
Light colour	White	pr o
Light colour	White	pr o
Light colour	White	pr o
Light colour Required componer	White Its:	
Light colour Required componer	White Its:	
Light colour Required componer	White its: XT-E	
Light colour Required componer	White its: XT-E 29.0° / 53.0°	
Light colour Required componer	White its: XT-E 29.0° / 53.0° 79 %	
Light colour Required componer	White its: XT-E 29.0° / 53.0° 79 % 2.6 cd/lm	
Light colour Required componer	White its: XT-E 29.0° / 53.0° 79 % 2.6 cd/lm 1	
Light colour Required componer	White its: XT-E 29.0° / 53.0° 79 % 2.6 cd/lm 1 White	
Light colour Required componer	White its: XT-E 29.0° / 53.0° 79 % 2.6 cd/lm 1 White	
Light colour Required componer	White its: XT-E 29.0° / 53.0° 79 % 2.6 cd/lm 1 White	
Light colour Required componer	White its: XT-E 29.0° / 53.0° 79 % 2.6 cd/lm 1 White	



	EDC	
		904 95 ⁴
	LUXEON 5050 Round LES	77
FWHM / FWTM	27.0° / 52.0° 86 %	
Efficiency		60°
Peak intensity	3 cd/lm	
LEDs/each optic	1 White	er
Light colour Required compone		
Required compone		200
		30° 300 30°
UMIL	EDS	99° - 99°
LED	LUXEON C	
FWHM / FWTM	29.0° / 52.0°	
Efficiency	76 %	800
Peak intensity	2.6 cd/lm	
LEDs/each optic	1	
Light colour	White	er
Required compone	nts:	
		36
	EDS	90*
LED	LUXEON CZ	
FWHM / FWTM	26.0° / 47.0°	75
Efficiency	85 %	
Peak intensity	3.5 cd/lm	
LEDs/each optic		
	I	
	1 White	ar ar
Light colour Required compone	White	er. 200
Light colour	White	
Light colour	White	
Light colour	White	
Light colour Required compone	White nts:	
Light colour Required compone	White nts:	
Light colour Required compone	White nts: EDS LUXEON M/MX	
Light colour Required compone	White hts: EDS LUXEON M/MX 31.0° / 59.0°	
Light colour Required compone Comparison LUMIL LED FWHM / FWTM Efficiency	White nts: EDS LUXEON M/MX 31.0° / 59.0° 84 %	
Light colour Required compone LUMIL LED FWHM / FWTM Efficiency Peak intensity	White nts: EDS LUXEON M/MX 31.0° / 59.0° 84 % 2.3 cd/lm	
Light colour Required compone Composed LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White nts: EDS LUXEON M/MX 31.0° / 59.0° 84 % 2.3 cd/lm 1	
Light colour Required compone LUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White nts: EDS LUXEON M/MX 31.0° / 59.0° 84 % 2.3 cd/lm 1 White	
Light colour Required compone Composed LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White nts: EDS LUXEON M/MX 31.0° / 59.0° 84 % 2.3 cd/lm 1 White	
Light colour Required compone LUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White nts: EDS LUXEON M/MX 31.0° / 59.0° 84 % 2.3 cd/lm 1 White	
Light colour Required compone LUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White nts: EDS LUXEON M/MX 31.0° / 59.0° 84 % 2.3 cd/lm 1 White	



Image: Constraint of the second se
LED LUXEON MZ FWHM / FWTM 26.0° / 50.0° Efficiency 85 % Peak intensity 3.1 cd/lm LEDs/each optic 1 Light colour White Required components: CUMILEDS LED LUXEON Rebel ES FWHM / FWTM 28.0° / 51.0° Efficiency 83 % Peak intensity 3 cd/lm
FWHM / FWTM 26.0° / 50.0° Efficiency 85 % Peak intensity 3.1 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************
Efficiency 85 % Peak intensity 3.1 cd/lm LEDs/each optic 1 Light colour White Required components:
Peak intensity 3.1 cd/lm LEDs/each optic 1 Light colour White Required components: LED LUXEON Rebel ES FWHM / FWTM 28.0° / 51.0° Efficiency 83 % Peak intensity 3 cd/lm
LEDs/each optic 1 Light colour White Required components:
Light colour White Required components:
Required components:
Efficiency 83 % Peak intensity 3 cd/lm
LED LUXEON Rebel ES FWHM / FWTM 28.0° / 51.0° Efficiency 83 % Peak intensity 3 cd/lm
LED LUXEON Rebel ES FWHM / FWTM 28.0° / 51.0° Efficiency 83 % Peak intensity 3 cd/lm
LED LUXEON Rebel ES FWHM / FWTM 28.0° / 51.0° Efficiency 83 % Peak intensity 3 cd/lm
LED LUXEON Rebel ES FWHM / FWTM 28.0° / 51.0° Efficiency 83 % Peak intensity 3 cd/lm
FWHM / FWTM 28.0° / 51.0° Efficiency 83 % Peak intensity 3 cd/lm
FWHM / FWTM 28.0° / 51.0° Efficiency 83 % Peak intensity 3 cd/lm
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
30" 30" 30" 10"
LED LUXEON TX
FWHM / FWTM 29.0° / 51.0°
Efficiency 83 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
200
34
LED LUXEON V
LED LUXEON V FWHM / FWTM 28.0° / 53.0°
LED LUXEON V FWHM / FWTM 28.0° / 53.0° Efficiency 82 %
LED LUXEON V FWHM / FWTM 28.0° / 53.0° Efficiency 82 % Peak intensity 2.7 cd/lm
LED LUXEON V FWHM / FWTM 28.0° / 53.0° Efficiency 82 % Peak intensity 2.7 cd/lm LEDs/each optic 1
LED LUXEON V FWHM / FWTM 28.0° / 53.0° Efficiency 82 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White 555
LED LUXEON V FWHM / FWTM 28.0° / 53.0° Efficiency 82 % Peak intensity 2.7 cd/lm LEDs/each optic 1
LED LUXEON V FWHM / FWTM 28.0° / 53.0° Efficiency 82 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White 555
LED LUXEON V FWHM / FWTM 28.0° / 53.0° Efficiency 82 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White to the formula of the fo



M LUMIL	EDS	90* 90*
LED	LUXEON V	
FWHM / FWTM	29.0° / 54.0°	73
Efficiency	82 %	
Peak intensity	2.6 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	1500 420
Required compone		
		200
		300 300
<i>(</i>)		15° 0° 35°
	EDS	90° 90°
LED	LUXEON V2	75'
FWHM / FWTM	29.0° / 51.0°	
Efficiency	83 %	50°
Peak intensity	2.9 cd/lm	X / X
LEDs/each optic	1	100
Light colour	White	45*
Required compone	nts:	
		30" 30"
	EDS	90° 90°
LED	LUXEON Z	
FWHM / FWTM	25.0° / 46.0°	75. 75.
Efficiency	85 %	
Peak intensity	3.7 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	
Light colour	White	g. dg.
Required compone		
		330
		30°
-		130 4600 35°
LUMIL	EDS	50* 50*
LED	LUXEON Z ES	75*
FWHM / FWTM	27.0° / 49.0°	
Efficiency	85 %	60°
Peak intensity	3.3 cd/lm	
I EDalaah antia		1630
LEDs/each optic	1	
Light colour	White	g*
	White	57 209
Light colour	White	
Light colour	White	
Light colour	White	



ØNICHI/		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxE17A 23.0° / 44.0° 85 % 4.1 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 31.0° / 54.0° 83 % 2.4 cd/lm 1 White	
ØNICHI/		50 ¹⁶
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B 34.0° / 56.0° 84 % 2.3 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxE21A 23.0° / 44.0° 85 % 4.2 cd/lm 1 White	



ØNICHI		30*
LED FWHM / FWTM	NVSxx19B/NVSxx19C 30.0° / 52.0°	73
Efficiency	84 %	yr 000
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	¢ ⁺ − 300 − 6*
Required compone	nts:	300 J37 OF J37 J37
OSRAM Opto Semiconductors		55*
LED	Duris S8	
FWHM / FWTM	27.0° / 53.0°	79
Efficiency	85 %	500
Peak intensity	3 cd/lm	
LEDs/each optic	1	
Light colour	White	e de la companya de
Required compone		200 200 200
OSRAM Opto Semiconductors		50°
LED	OSCONIQ P 3737 (2W version)	75
FWHM / FWTM	26.0° / 49.0°	
Efficiency	83 %	60°
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	a, 500
Light colour Required compone	White	
Required compone		20- 200
OSRAM Opto Semiconductors		pr
LED	OSCONIQ P 3737 (3W version)	
FWHM / FWTM	28.0° / 51.0°	79
Efficiency	84 %	60 ¹ 60 ¹
Peak intensity	3 cd/lm	
LEDs/each optic	1	
Light colour	White	ø de la de l
Required compone	nts:	200



OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ P 7070	
FWHM / FWTM	29.0° / 55.0°	
Efficiency	83 %	50°
Peak intensity	2.6 cd/lm	
LEDs/each optic	1	
Light colour	White	5° 1530 87°
Required componer	nts:	
OSRAM Opto Semiconductors		90* 0°
LED	OSLON Black Flat	
FWHM / FWTM	24.0° / 45.0°	25 000
Efficiency	85 %	
Peak intensity	3.9 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	457 2430 45*
Required componer		
OSDAM		300 - 10 ⁻
OSRAM Opto Semiconductors		90*
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	30.0° / 52.0°	$\land \land \land \land \land \land$
Efficiency	84 %	60° 60°
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	gr <u>1670</u> gr
Required componer	its:	2007 2007
OSRAM Opto Semiconductors		90* 90*
LED	OSLON Square EC	73'
FWHM / FWTM	28.0° / 51.0°	
Efficiency	81 %	60° 000 000
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	1570
Light colour	White	*
Required componer	its:	202



000444			V V I
OSRAM Opto Semiconductors		90 ⁴	90*
LED	OSLON Square PC		
FWHM / FWTM	29.0° / 52.0°		$\wedge \land \land \land$
Efficiency	82 %	90,0	800
Peak intensity	2.8 cd/lm		
LEDs/each optic	1		\times
Light colour	White	6 7*	1600 - 43*
Required compone	nts:		
			2400
		30'	31"
OSRAM Opto Semiconductors			15 0° 15°
Opto Semiconductors			
LED FWHM / FWTM	OSLON SSL 150 30.0° / 51.0°	78	
Efficiency	30.0° / 51.0° 82 %		
Peak intensity	2.7 cd/lm	60.0	60°
LEDs/each optic	1		
LEDS/each optic	White	9 ⁵	1630
Required compone			
Required compone	11.5.		
			2430
		30*	15° 0° 15°
OSRAM Onto Samiconductors		83 ⁴	
Opto Semiconductors	OSLON SSL 80	50 ⁴	
Opto Semiconductors	OSLON SSL 80 28.0° / 51.0°		
opto Semiconductors LED FWHM / FWTM	OSLON SSL 80 28.0° / 51.0° 82 %	90 ⁴	
opto Semiconductors LED FWHM / FWTM Efficiency	28.0° / 51.0° 82 %	50 ⁴	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	28.0° / 51.0°	6x 33	- 00 - 77
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 51.0° 82 % 2.9 cd/lm	94 94	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	28.0° / 51.0° 82 % 2.9 cd/lm 1 White	834 23 24	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 51.0° 82 % 2.9 cd/lm 1 White	87 87 87	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 51.0° 82 % 2.9 cd/lm 1 White	94 95 95	500
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 51.0° 82 % 2.9 cd/lm 1 White	93 93 97 97	00 00 500 200 00 00 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 51.0° 82 % 2.9 cd/lm 1 White	27 27 27 20 20 20 20 20 20 20 20 20 20 20 20 20	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	28.0° / 51.0° 82 % 2.9 cd/lm 1 White nts:		00 00 500 200 00 00 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED	28.0° / 51.0° 82 % 2.9 cd/lm 1 White nts: OSTAR Stage (S2WN)	27 27 27 20 20 20 20 20 20 20 20 20 20 20 20 20	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM	28.0° / 51.0° 82 % 2.9 cd/lm 1 White nts: OSTAR Stage (S2WN) 26.0° / 50.0°		100 100 100 100 100 100 100 100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	28.0° / 51.0° 82 % 2.9 cd/lm 1 White nts: OSTAR Stage (S2WN) 26.0° / 50.0° 84 %		100 100 100 100 100 100 100 100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	28.0° / 51.0° 82 % 2.9 cd/lm 1 White nts: OSTAR Stage (S2WN) 26.0° / 50.0° 84 % 3.2 cd/lm		100 100 100 100 100 100 100 100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 51.0° 82 % 2.9 cd/lm 1 White nts: OSTAR Stage (S2WN) 26.0° / 50.0° 84 % 3.2 cd/lm 1		00 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 51.0° 82 % 2.9 cd/lm 1 White nts: OSTAR Stage (S2WN) 26.0° / 50.0° 84 % 3.2 cd/lm 1 RGBW		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 51.0° 82 % 2.9 cd/lm 1 White nts: OSTAR Stage (S2WN) 26.0° / 50.0° 84 % 3.2 cd/lm 1 RGBW		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 51.0° 82 % 2.9 cd/lm 1 White nts: OSTAR Stage (S2WN) 26.0° / 50.0° 84 % 3.2 cd/lm 1 RGBW		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 51.0° 82 % 2.9 cd/lm 1 White nts: OSTAR Stage (S2WN) 26.0° / 50.0° 84 % 3.2 cd/lm 1 RGBW		



SAMSI	UNG			90* 90*
LED	LH181A			
FWHM / FWTM	22.0° / 44.0°			73*
Efficiency	81 %			
Peak intensity	4 cd/lm			60 ° 60 °
LEDs/each optic	1			
Light colour	White			9° 2830
Required compone				
				3230
				\times / \times
				15° 0° 15°
SAMSI	UNG			90°
LED	LH181B			
FWHM / FWTM	23.0° / 45.0°			73,
Efficiency	85 %			
Peak intensity	3.4 cd/lm			50* 50*
LEDs/each optic	1			
Light colour	White			93 · · · · · · · · · · · · · · · · · · ·
Required compone			_	
				3230
				15 ⁹ 0 ⁶ 25 ⁹
SAMSI	UNG			90* 90*
LED	LH231B			
FWHM / FWTM	24.0° / 47.0°			75* 200
Efficiency	86 %			
Peak intensity	3.7 cd/lm			
LEDs/each optic	1			
Light colour	White			e7* 2130
Required compone	ents:			
				2200
				30* 30*
CANCI				12, 0, 12,
SAMSI				90* 90*
LED	LH351B			75
FWHM / FWTM	30.0° / 53.0°			$\land \land \land \land \land \land \land \land \land$
Efficiency	84 %			50°
Peak intensity	2.7 cd/lm			
LEDs/each optic	1			
Light colour	White			97* e2*
Required compone	ents:	•		
				2120
				107 09" 15"



SAMSI	UNG		90° 90°
LED	LH351C		
FWHM / FWTM	31.0° / 53.0°		73*
Efficiency	85 %		
Peak intensity	2.7 cd/lm		60°-
LEDs/each optic	1		
Light colour	White		97 ⁴ 1600 47 ⁴
Required compone			
			\times \wedge \times
			2000
			30* 30*
			15° 0° 15°
SAMSI	JNG		30* 90*
LED	LH351D		
FWHM / FWTM	33.0° / 57.0°		73*
Efficiency	83 %		
Peak intensity	2.2 cd/lm		60 ^s 60 ^s
LEDs/each optic	1		
Light colour	White		gr
Required compone			
			1677
			30*
			30 15° 28°30 15°
SAMSI	UNG		90° 90°
			<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>
LED	LH508A		95°
LED FWHM / FWTM	LH508A 28.0° / 53.0°		95° 75° 000
LED FWHM / FWTM Efficiency	LH508A		$ [] \times [] \times [] $
LED FWHM / FWTM Efficiency Peak intensity	LH508A 28.0° / 53.0° 85 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm		$ [] \times [] \times [] $
LED FWHM / FWTM Efficiency Peak intensity	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White		00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White		00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents:		00 - 00 - 00 - 00 - 00 - 00 - 00 - 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents:		00 - 00 - 00 - 00 - 00 - 00 - 00 - 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents:		000 000 000 000 000 000 000 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents:		000 000 000 000 000 000 000 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents:		000 000 000 000 000 000 000 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents: UNG LM302A 25.0° / 48.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM Efficiency	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents: UNG LM302A 25.0° / 48.0° 85 %		000 000 000 000 000 000 000 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents: UNC LM302A 25.0° / 48.0° 85 % 3.4 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents: UNC LM302A 25.0° / 48.0° 85 % 3.4 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents: UNC LM302A 25.0° / 48.0° 85 % 3.4 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents: UNC LM302A 25.0° / 48.0° 85 % 3.4 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH508A 28.0° / 53.0° 85 % 2.9 cd/lm 1 White ents: UNC LM302A 25.0° / 48.0° 85 % 3.4 cd/lm 1 White		



SAMSI	UNG	94*
LED	LM561B	
FWHM / FWTM	27.0° / 51.0°	
Efficiency	85 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		200 200 200 200 200 200 200 200 200 200
LED	WICOP 5050	
FWHM / FWTM	33.0° / 60.0°	
Efficiency	80 %	
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	30 <u>55</u> 6 ⁴ 55 ⁴
SEOUL		50*
SEOUL SEMICONDUCTOR	Z5M3	
FWHM / FWTM	28.0° / 52.0°	77
Efficiency	82 %	
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr - 100 -
Required compone		



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	J Series 5050 Round LES 25.0° / 46.0° 92 % 4.3 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
Light colour Required components:	White	200 200 200
		90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP50.3 HD 31.0 + 30.0° / 52.0° 83 % 2.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP50.3 HI 28.0° / 48.0° 95 % 3.4 cd/lm 1 White	9° 9° 9° 9° 9° 9° 9° 100 100 100 100 100 100 100 10
CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP70.3 HD 33.0 + 32.0° / 58.0° 82 % 2.3 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 HE 33.0° / 50.0° 89 % 2.9 cd/lm 1	60, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26
Light colour Required components:	White	er 260 260 200 200 200 200 200 200 200 200
	S	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SST-20 26.0° / 42.0° 91 % 4.5 cd/lm 1 White	77 64 500 500 67 67 67
		** *** ***
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SST-70X-WCS 30.0° / 50.0 + 48.0° 85 % 3.1 cd/lm 1 White	
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	COB S-Type (LES 7) 32.0° / 58.0° 91 % 2.5 cd/lm 1 White	21 21 21 21 21 21 21 21 21 21



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	COB T-Type 30.0° / 56.0° 91 % 2.9 cd/lm 1 White	90° 90°
Μ ΝΙCΗΙΛ		30 ² 125 ² 0 ⁴ 25 ³ 30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxE17A 24.0° / 44.0° 88 % 4.5 cd/m 4 White	2, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFMW48xA 25.0° / 47.0° 92 % 4.3 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 25.0° / 44.0° 91 % 4.4 cd/lm 1 White	



Ø ΝΙCΗΙΛ		30°
LED	NV4x144A	
FWHM / FWTM	31.0° / 54.0°	
Efficiency	86 %	60 ¹ 60 ²
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 5°
Required components:		300 300 300



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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

MATERIALS:

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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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