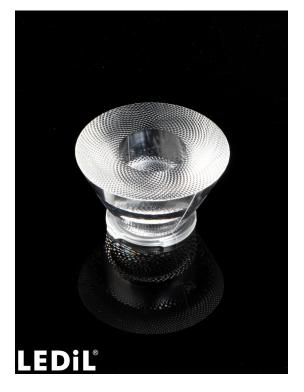


ILONA-W

~35° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.8 mm
Height	29.7 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component ILONA-W **Type** Single lens

Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

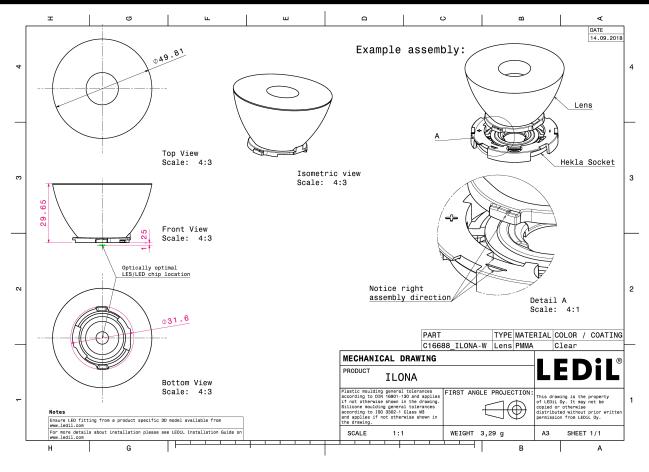
Component C16688_ILONA-W » Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
264	99	33	10.1

PRODUCT DATASHEET C16688_ILONA-W



PRODUCT DATASHEET C16688_ILONA-W



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



bridgelux.		50° 50°
LED	V6 HD	
FWHM / FWTM	38.0° / 62.0°	77 400
Efficiency	93 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	at 1200
Required componer		
Bender Wirth: 63		150
		30 ⁰ 2000 30 ⁰
		10 ⁵ 0 ⁶ 10 ⁵
bridgelux.		30, 30, 30,
LED	V6 HD	
FWHM / FWTM	39.0° / 62.0°	40
Efficiency	93 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	¢* ±20 ¢*
Required componer	nts:	
F15255_HEKLA-	SOCKET-C	1600
		30" 2000 30"
bridgelux.		50° 50°
LED	Vesta DTW 13mm (21W)	75
FWHM / FWTM	35.0° / 72.0°	
Efficiency	87 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	
Required componer		120
C16142_HEKLA		
Bender Wirth: 49	1 Typ L8	
		30 ⁶ 3600 30 ⁴ 25 ⁴ 0 ⁵ 15 ⁴
bridgelux.		
LED	Vesta TW 6mm DP	
FWHM / FWTM	39.0° / 63.0°	
Efficiency	88 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer		
C16142_HEKLA		
Bender Wirth: 50		



CITIZE	Ν	50° A 5
LED	CLU7B2	
FWHM / FWTM	41.0° / 61.0°	77* 200
Efficiency	92 %	
Peak intensity	1.9 cd/lm	60.6
LEDs/each optic	1	
Light colour	White	954
Required compone		1200
F15255_HEKLA		
		1600
		30*
A		153 200 153
	.EDS	90* 9
LED	LUXEON CX Plus CoB L08 (Gen2)	75*
FWHM / FWTM	36.0° / 72.0°	400
Efficiency	90 %	607
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	6 ⁵
Required compone	ents:	1200
Bender Wirth: 6	37a Hekla	
		36 ⁴ 35 ⁴ 0 ⁴ 15 ⁴ 3
	.EDS	90 ⁴ R 9
LED	LUXEON CX Plus CoB - HD S01H4	
FWHM / FWTM	39.0° / 61.0°	
Efficiency	93 %	
Peak intensity	2 cd/lm	
-		
LEDs/each optic	1	
LEDs/each optic Light colour	1 White	g.
	White	
Light colour	White ents:	9
Light colour Required compone	White ents:	97
Light colour Required compone	White ents:	gr 200
Light colour Required compone Bender Wirth: 6	White ents: 34c Hekla	
Light colour Required compone Bender Wirth: 6	White ents: 34c Hekla	
Light colour Required compone Bender Wirth: 6	White ents: 34c Hekla .EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6	
Light colour Required compone Bender Wirth: 6 LUMIL LED FWHM / FWTM	White ents: 34c Hekla .EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 38.0° / 61.0°	
Light colour Required compone Bender Wirth: 6 LED FWHM / FWTM Efficiency	White ents: 34c Hekla .EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 38.0° / 61.0° 93 %	
Light colour Required compone Bender Wirth: 6 LUMIL LED FWHM / FWTM Efficiency Peak intensity	White Ints: 34c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 38.0° / 61.0° 93 % 2 cd/lm	
Light colour Required compone Bender Wirth: 6 LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White Ints: 34c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 38.0° / 61.0° 93 % 2 cd/lm 1	
Light colour Required compone Bender Wirth: 6 LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Ints: 34c Hekla EDS LUXEON CX Plus CoB - HD S01H6 / HD S02H6 38.0° / 61.0° 93 % 2 cd/lm 1 White	
Light colour Required compone Bender Wirth: 6 LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White Physical State St	
Light colour Required compone Bender Wirth: 6 LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Physical State St	
Light colour Required compone Bender Wirth: 6 Composition LLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White Physical State St	
Light colour Required compone Bender Wirth: 6 Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White Physical State St	



MUMIL 🌕	EDS	30° 75 20°
LED	LUXEON CX Plus CoB - HD S04H9	
FWHM / FWTM	35.0° / 63.0°	77
Efficiency	92 %	
Peak intensity	2.1 cd/lm	60 ¹² 000
LEDs/each optic	1	
Light colour	White	gr Ar
Required compone		
Bender Wirth: 63		
		15 ⁵ 0 ⁴ 15 ⁵
UMIL	EDS	90°
LED	LUXEON CX Plus CoB L04 / L05 (Gen2)	
FWHM / FWTM	34.0° / 66.0°	
Efficiency	92 %	60 60
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	4° - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220 - 220
Required compone	nts:	
Bender Wirth: 63	37a Hekla	1500
		30 200 30
	EDS	50° ZX 50°
		50° 50°
LUMIL	EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0°	90 ⁴ 72
LED FWHM / FWTM	LUXEON CX Plus CoB M02 / M03 (Gen2)	
LED	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0°	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 %	
LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: 11a Hekla	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: Ha Hekla	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: I1a Hekla	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: 11a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 12.0° / 23.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: 11a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 12.0° / 23.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64 Weak Intensity	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: 11a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 12.0° / 23.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: 11a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 12.0° / 23.0° 94 % 14.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64 WMM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: 11a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 12.0° / 23.0° 94 % 14.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64 Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: 11a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 12.0° / 23.0° 94 % 14.3 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64 WMM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: 11a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 12.0° / 23.0° 94 % 14.3 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 64 WIM / WITH: 64 Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB M02 / M03 (Gen2) 35.0° / 63.0° 92 % 2 cd/lm 1 White nts: 11a Hekla EDS LUXEON CX Plus CoB S01 (Gen2) 12.0° / 23.0° 94 % 14.3 cd/lm 1 White nts:	

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COMIL	EDS	50*	90
LED FWHM / FWTM Efficiency	LUXEON Fusion 21-up (20x24) 37.0° / 64.0° 91 %		
Peak intensity	1.9 cd/lm		
LEDs/each optic	21		
Light colour	White		$\langle \rangle$
Required compone			
C16142_HEKLA		200	
Bender Wirth: 44	42 Тур L8	30 ⁴ 20 ¹⁰ 20 ¹⁰	12.
	INUS	50 ⁴	9
LED	CXM-3		
FWHM / FWTM	41.0° / 61.0°	a	\mathcal{A}^{-}
Efficiency	93 %		$\langle \rangle$
Peak intensity	1.9 cd/lm		
LEDs/each optic	1		
Light colour	White	ar 120	
Required compone			
F15255_HEKLA	-SOCKET-C	400	
	INUS	90 ⁴	9
LED	CXM-4		
FWHM / FWTM	41.0° / 62.0°	77	\checkmark
Efficiency	94 %		$\langle \ \rangle$
Peak intensity	1.9 cd/lm		
LEDs/each optic	1		\bigvee
Light colour	White		>
-			
Required compone			X
-		200	\prec
Required compone		- 500	X
Required compone		34 ⁵ 200	23 3
Required compone F15255_HEKLA	-SOCKET-C	200 200 200 200 200 200 200 200 200 200	
Required compone	-socket-c JNG		<u>133,</u>
Required compone F15255_HEKLA	-SOCKET-C		3
Required compone F15255_HEKLA	-SOCKET-C JNG LC010T (Tunable White)		9 9 9 9 9 9
Required compone F15255_HEKLA SAMSU LED FWHM / FWTM	-SOCKET-C JNG LC010T (Tunable White) 35.0° / 65.0°		132. 23
Required compone F15255_HEKLA SAMSU LED FWHM / FWTM Efficiency	-SOCKET-C JNG LC010T (Tunable White) 35.0° / 65.0° 90 %		13°
Required compone F15255_HEKLA SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	-SOCKET-C JNG LC010T (Tunable White) 35.0° / 65.0° 90 % 1.8 cd/lm	99° 23 60 60 90	37
Required compone F15255_HEKLA SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	-SOCKET-C JNG LC010T (Tunable White) 35.0° / 65.0° 90 % 1.8 cd/lm 1 Tunable White ints:		
Required compone F15255_HEKLA SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	-SOCKET-C JNG LC010T (Tunable White) 35.0° / 65.0° 90 % 1.8 cd/lm 1 Tunable White ints: -SOCKET-K		
Required compone F15255_HEKLA SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	-SOCKET-C JNG LC010T (Tunable White) 35.0° / 65.0° 90 % 1.8 cd/lm 1 Tunable White ints: -SOCKET-K	99° 23 60 60 90	



SEOUL			90* 90
	MJT COB LES 14.5		
LED FWHM / FWTM	36.0° / 74.0°		73°
Efficiency	90 %		400
			602 602
Peak intensity	1.6 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required componer			1200
F17438_HEKLA-	G2-I		
			30° 30° 30°
SEOUL			50 ⁴
	MJT COB LES 6		3
FWHM / FWTM	39.0° / 63.0° 94 %		
Efficiency			60° 60'
Peak intensity	1.9 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required componer			
F17435_HEKLA-	G2-C		
			367 2000 300 15% 0% 15%
SEOUL			
			90* 25 90
SEOUL SEMICONDUCTOR	MJT COB LES 9.8		90° 90'
SEOUL SEMICONDUCTOR	MJT COB LES 9.8 35.0° / 65.0°		20 ⁴ 20 20 ⁴ 20 20 20 20 20 20 20 20 20 20 20 20 20 2
seoul semiconductor LED FWHM / FWTM	35.0° / 65.0°		94 99 74 99 90 22
seoul semiconductor LED FWHM / FWTM Efficiency	35.0° / 65.0° 93 %		
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	35.0° / 65.0° 93 % 2 cd/lm		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	35.0° / 65.0° 93 % 2 cd/lm 1		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 65.0° 93 % 2 cd/lm 1 White		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	35.0° / 65.0° 93 % 2 cd/lm 1 White tts:		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 65.0° 93 % 2 cd/lm 1 White tts:		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	35.0° / 65.0° 93 % 2 cd/lm 1 White tts:		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17435_HEKLA-	35.0° / 65.0° 93 % 2 cd/lm 1 White nts: G2-C		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17435_HEKLA-	35.0° / 65.0° 93 % 2 cd/lm 1 White nts: G2-C		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	35.0° / 65.0° 93 % 2 cd/lm 1 White nts: G2-C		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17435_HEKLA-	35.0° / 65.0° 93 % 2 cd/lm 1 White nts: G2-C		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17435_HEKLA-	35.0° / 65.0° 93 % 2 cd/lm 1 White hts: G2-C		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17435_HEKLA- TRIDON LED FWHM / FWTM	35.0° / 65.0° 93 % 2 cd/lm 1 White hts: G2-C SLE G7 LES09 36.0° / 64.0°		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17435_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity	35.0° / 65.0° 93 % 2 cd/lm 1 White hts: G2-C SLE G7 LES09 36.0° / 64.0° 92 %		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17435_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	35.0° / 65.0° 93 % 2 cd/lm 1 White hts: G2-C SLE G7 LES09 36.0° / 64.0° 92 % 2 cd/lm 1		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17435_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 65.0° 93 % 2 cd/lm 1 White hts: G2-C SLE G7 LES09 36.0° / 64.0° 92 % 2 cd/lm 1 White		
SECUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17435_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	35.0° / 65.0° 93 % 2 cd/lm 1 White hts: G2-C SLE G7 LES09 36.0° / 64.0° 92 % 2 cd/lm 1 White hts:		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17435_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 65.0° 93 % 2 cd/lm 1 White hts: G2-C SLE G7 LES09 36.0° / 64.0° 92 % 2 cd/lm 1 White hts:		
SECUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17435_HEKLA- TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	35.0° / 65.0° 93 % 2 cd/lm 1 White hts: G2-C SLE G7 LES09 36.0° / 64.0° 92 % 2 cd/lm 1 White hts:		



					
bridgelux.				50* x	90°
LED	V4 HD				
FWHM / FWTM	38.0° / 64.0°			757 400	75*
Efficiency	91 %				
Peak intensity	2 cd/lm			60°	60.
LEDs/each optic	1				
Light colour	White			97 1200	45*
Required components:	White				
F15253_HEKLA-SOC	KET-A			1000	
					\searrow
				15° 0° 15°	36.
bridgelux.				90*	90°
LED	V9 HD				
FWHM / FWTM	36.0° / 64.0°			73° 400	75*
Efficiency	89 %				
Peak intensity	2 cd/lm				/~
LEDs/each optic	1				
Light colour	White			52 1200	45*
Required components:					
F15859_HEKLA-SOC	KET-I				
					\times
				30* 2000	30°
bridgelux.					908
	Vero SE 13			75	75"
FWHM / FWTM	37.0° / 78.0° 85 %			400	
Efficiency				60*	60*
Peak intensity LEDs/each optic	1.3 cd/lm 1				
Light colour	ı White			43 ¹ / 800	45*
Required components:	winte				
C16142_HEKLA-SOC	KET-K				
				1200	$\sum_{i=1}^{n}$
					$\langle \rangle$
				30° 125° 0° 125°	30.0
bridgelux.			300,0	90°	90°
LED	VERO10				
FWHM / FWTM	36.0° / 64.0°	ו]ue		73	75*
Efficiency	90 %	e S			
Peak intensity	2 cd/lm	inat	0	60° 000	60°
LEDs/each optic	1	Y coordinate value			
Light colour	White	- CC		42	45°
Required components:					
F15616_HEKLA-SOC	KET-F		-300,0 -300,0 0	300,0	
			-300,0 X coordinate value		
					1
				30.	30.



bridgelux.		300,0		90°	90*
LED	Vesta DTW 9mm (4W/6W/12W)	a			_
FWHM / FWTM	36.0° / 64.0°	Y coordinate value o	A CONTRACTOR OF THE	400	1
Efficiency	90 %	te		605	60*
Peak intensity	1.9 cd/lm	0 dina		- 200	
LEDs/each optic	1	000			
Light colour	White	×		at 1200	45*
Required components:					
C16142_HEKLA-SOC	KET-K	-300,0	0 300,0	1630	
Bender Wirth: 490 Ty			X coordinate value		X
				30° 2000 17° 0° 17°	36.
CITIZEN				30°	90*
LED					
FWHM / FWTM	CLL02x/CLU02x (LES10) 35.0° / 64.0°			75	75*
	35.0° / 64.0° 79 %			400	< 1
Efficiency Roak intensity	79 % 1.9 cd/lm			60 ⁶	60.
Peak intensity					\times
LEDs/each optic	1				
Light colour	White				\geq
Required components:					$\langle \rangle$
F15255_HEKLA-SOC	KET-C			1630	\sum
					X
				30° 2300 15°	36.
CITIZEN				90 [¢]	90*
LED	CLU700/701/702				
FWHM / FWTM	38.0° / 63.0°			73	75*
Efficiency	84 %				$\leq /$
Peak intensity	2 cd/lm			60*	60°
LEDs/each optic	1				$\langle $
Light colour	' White				45*
Required components:	white				\square
F15255_HEKLA-SOC	KET-C				S
1 13235_11LKLA-300					1
				1600	
					X
				30 ⁴ 10 ⁵ 0 ⁴ 15 ⁵	361
				800 800 800 800 800 800 800 800 800 800	30*
				99* 150 6* 150 100	
LED	CMA1825			25- 50- 50- 50- 50- 50- 50- 50- 5	
LED FWHM / FWTM	CMA1825 35.0° / 68.0°			300 300 300 300 300 300 300 300 300 300	
LED FWHM / FWTM Efficiency	CMA1825 35.0° / 68.0° 87 %				
LED FWHM / FWTM Efficiency Peak intensity	CMA1825 35.0° / 68.0°			500 500 500 500 500 500 500 500	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CMA1825 35.0° / 68.0° 87 % 1.8 cd/lm 1			55°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CMA1825 35.0° / 68.0° 87 % 1.8 cd/m			300 300 300 300 300 40 60 60 55 50 50 50 50 50 50 50 50 5	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CMA1825 35.0° / 68.0° 87 % 1.8 cd/lm 1 White			75 60 61	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CMA1825 35.0° / 68.0° 87 % 1.8 cd/lm 1 White			75 60 61	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CMA1825 35.0° / 68.0° 87 % 1.8 cd/lm 1 White			75' 64 55' 1220	



LUMILEDS

LED	LU
FWHM / FWTM	36
Efficiency	88
Peak intensity	1.9
LEDs/each optic	1
Light colour	W
Required components:	
E17437 HEKLA-G2-H	1

JXEON CoB 1202/1203 6.0° / 66.0° / 66.0° % 9 cd/lm /hite



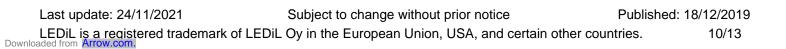
LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour
Required components:

LUXEON CoB 1202s 36.0° / 64.0° 91 % 2.1 cd/lm 1 White

LUMILEDS

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: LUXEON CoB 1204/1205 35.0° / 69.0° 87 % 1.8 cd/lm 1 White

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: LUXEON CoB 1208 32.0° / 62.0° 88 % 2.1 cd/lm 1 White





Μ ΝΙCΗΙΛ		50* 50'
LED	COB S-Type (LES 7)	
FWHM / FWTM	36.0° / 64.0°	75*
Efficiency	90 %	
Peak intensity	1.9 cd/lm	60 ¹⁰ 66
LEDs/each optic	1	
Light colour	White	45. 1200
Required components:		
F15848_HEKLA-SOC	CKET-G	100
		30°
		2000 15° 0° 15°
MICHIΛ		90° 90
LED	NFSWE11A	
FWHM / FWTM	36.0° / 65.0°	400
Efficiency	83 %	equit the second s
Peak intensity	1.8 cd/lm	$\left[X \right] \times \left[X \right] \times \left[X \right]$
LEDs/each optic	30	
Light colour	White	45°
Required components:		1220
C16142_HEKLA-SOC	CKET-K	
		1630
		30* 30
OSDAM		
OSRAM Opto Semiconductors		90* 9
Opto Semiconductors	Duris S8	90° 9
^{Opto Semiconductors} LED FWHM / FWTM	38.0° / 64.0°	99* 9 75* 400 2
opto Semiconductors LED FWHM / FWTM Efficiency	38.0° / 64.0° 88 %	
^{opto semiconductors} LED FWHM / FWTM Efficiency Peak intensity	38.0° / 64.0°	90° 90 37° 00 90° 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	38.0° / 64.0° 88 % 2 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 64.0° 88 % 2 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	38.0° / 64.0° 88 % 2 cd/lm 1 White	99* 99* 99* 90* 90* 90* 90* 90* 90* 90*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 64.0° 88 % 2 cd/lm 1 White	60° 9° 900 77 60° 7° 900 77 60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	38.0° / 64.0° 88 % 2 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	38.0° / 64.0° 88 % 2 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC	38.0° / 64.0° 88 % 2 cd/lm 1 White CKET-G	30 <u>300</u>
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC	38.0° / 64.0° 88 % 2 cd/lm 1 White CKET-G	300 Store S
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC SAMSUN LED	38.0° / 64.0° 88 % 2 cd/lm 1 White CKET-G IG LC003D / LC006D / LC009D / LC013D	300 Store S
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC SAMSUN LED FWHM / FWTM	38.0° / 64.0° 88 % 2 cd/lm 1 White CKET-G CC003D / LC006D / LC009D / LC013D 35.0° / 64.0°	550 30 ⁴ 550 30 ⁴ 30 ⁵ 30 ⁵
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC SAMSUN LED FWHM / FWTM Efficiency	38.0° / 64.0° 88 % 2 cd/lm 1 White CKET-G CC003D / LC006D / LC009D / LC013D 35.0° / 64.0° 80 %	550 30 ⁴ 550 30 ⁴ 30 ⁵ 30 ⁵
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC SAMSUN LED FWHM / FWTM Efficiency Peak intensity	38.0° / 64.0° 88 % 2 cd/lm 1 White CKET-G LC003D / LC006D / LC009D / LC013D 35.0° / 64.0° 80 % 1.9 cd/lm	550 30 ⁴ 550 30 ⁴ 30 ⁵ 30 ⁵
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	38.0° / 64.0° 88 % 2 cd/lm 1 White CKET-G LC003D / LC006D / LC009D / LC013D 35.0° / 64.0° 80 % 1.9 cd/lm 1	500 30 ⁴ 55 ⁵ 0 ⁵ 25 ⁵ 25 ⁶ 25 ⁷ 25 ⁷
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 64.0° 88 % 2 cd/lm 1 White CKET-G LC003D / LC006D / LC009D / LC013D 35.0° / 64.0° 80 % 1.9 cd/lm	500 30 ⁴ 55 ⁵ 0 ⁵ 25 ⁵ 25 ⁶ 25 ⁷ 25 ⁷
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC SANSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	38.0° / 64.0° 88 % 2 cd/lm 1 White XET-G LC003D / LC006D / LC009D / LC013D 35.0° / 64.0° 80 % 1.9 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 64.0° 88 % 2 cd/lm 1 White XET-G LC003D / LC006D / LC009D / LC013D 35.0° / 64.0° 80 % 1.9 cd/lm 1 White	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	38.0° / 64.0° 88 % 2 cd/lm 1 White XET-G LC003D / LC006D / LC009D / LC013D 35.0° / 64.0° 80 % 1.9 cd/lm 1 White	



SAMSU	NG	30, 30,
LED	LC010C	
FWHM / FWTM	38.0° / 64.0°	55 55 55 55 55 55 55 55 55 55 55 55 55
Efficiency	87 %	
Peak intensity	1.9 cd/lm	60°
LEDs/each optic	1	
Light colour	White	a
Required components	:	
F15848_HEKLA-S	OCKET-G	1500
		30- 200 31
		105 ¹ of 105 ¹
SAMSU	NG	50' 50'
LED	LC020C	
FWHM / FWTM	34.0° / 62.0°	
Efficiency	90 %	69
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	er e
Required components	:	160
F17438_HEKLA-G	2-I	
		30.
XICATO		
		90° 90°
LED	XTM - 9mm LES	75
FWHM / FWTM	35.0° / 64.0°	
Efficiency	89 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1 White	
Light colour		
Required components: C15743_XTM-ADAPTER-50-B		100
		30 ⁶ 25 ⁹ 0 ¹ 25 ⁹



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:

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.

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