

PRODUCT DATASHEET RONDA-O-C

RONDA-O-C

 ${\sim}50^\circ$ + 30° oval beam with holder C compatible with LEDiL HEKLA

SPECIFICATION:

Dimensions	Ø 53.9 mm
Height	20.5 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIALS:

Component F15990_RONDA-O F15635_RONDA-HLD-C

Туре
Single lens
Holder

Material	Colour	Finish
PMMA	clear	
PC	white	

ORDERING INFORMATION:

Quantities for one set:

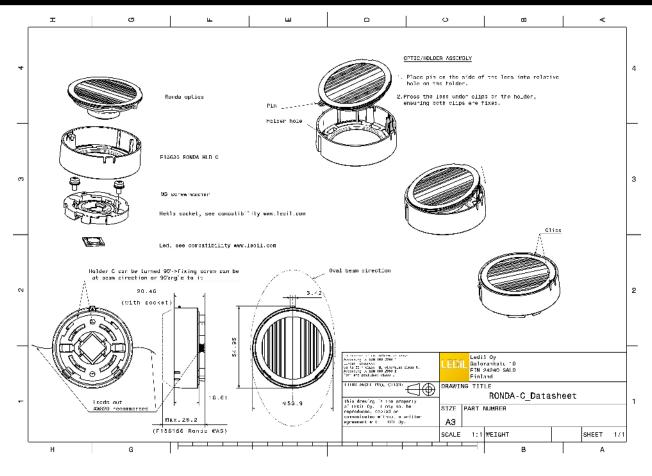
Single lens 1 Holder 1



PRODUCT DATASHEET RONDA-O-C

Component		Qty in box	MOQ	MPQ	Box weight (kg)
F15990_RONDA-O » Box size: 480 x 280 x 300 mm	Single lens	420	120	30	6.5
F15635_RONDA-HLD-C » Box size: 480 x 280 x 300 mm	Holder	420	120	30	4.1

PRODUCT DATASHEET RONDA-O-C



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



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15253_HEKLA	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15253_HEKLA	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	



hadaalua			
bridgelux.			38*
LED	V9 HD Gen7		
FWHM / FWTM	47.0 + 23.0° / 74.0 + 54.0°		
Efficiency	89 %		w
Peak intensity	1.9 cd/lm		
LEDs/each optic	1		
Light colour	White		a),
Required compone			
F15859_HEKLA	-SOCKET-I		
			- ×
bridgelux.			30*
LED	Vesta DTW 13mm (21W)		hand
FWHM / FWTM	53.0 + 35.0° / 89.0 + 84.0°	285-	L
Efficiency	80 %		
Peak intensity	1 cd/lm		~ ~
LEDs/each optic	1		
Light colour	Tunable White	e / /	y y
Required compone	nts:		
C16142_HEKLA		1	
Bender Wirth: 49			
bridgelux.			
LED	Vesta TW 13mm (25W) CSP		1
FWHM / FWTM	50.0 + 31.0° / 85.0 + 81.0°		
Efficiency	82 %		
Peak intensity	1.1 cd/lm		~ 7
LEDs/each optic	1		
Light colour	White		y a
	nts:		
Required compone			
Required compone C16142_HEKLA			
	-SOCKET-K		
C16142_HEKLA	-SOCKET-K		X
C16142_HEKLA	-SOCKET-K		<u>}</u>
C16142_HEKLA Bender Wirth: 49	-SOCKET-K 12 Typ L8		X
C16142_HEKLA Bender Wirth: 49 bridgetux LED	-SOCKET-K 32 Typ L8 Vesta TW 6mm DP		X. F.
C16142_HEKLA Bender Wirth: 49 bridgetux LED FWHM / FWTM	-SOCKET-K 12 Typ L8		X
C16142_HEKLA Bender Wirth: 49 bridgetux LED FWHM / FWTM Efficiency	-SOCKET-K 32 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0°		
C16142_HEKLA Bender Wirth: 45 bridgelux LED FWHM / FWTM Efficiency Peak intensity	-SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 %		X. E.
C16142_HEKLA Bender Wirth: 49 bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	-SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % 2.1 cd/lm		<u> </u>
C16142_HEKLA Bender Wirth: 49 bridgelux. LED FWHM / FWTM Efficiency Peak intensity	-SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % 2.1 cd/lm 1 White		
C16142_HEKLA Bender Wirth: 49 bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	-SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % 2.1 cd/lm 1 White nts:		
C16142_HEKLA Bender Wirth: 49 bridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	-SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % 2.1 cd/lm 1 White nts: -SOCKET-K		
C16142_HEKLA Bender Wirth: 49 Dridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	-SOCKET-K 92 Typ L8 Vesta TW 6mm DP 48.0 + 19.0° / 71.0 + 45.0° 85 % 2.1 cd/lm 1 White nts: -SOCKET-K		



r		
bridgelux.		
LED	Vesta TW 9mm (12W) CSP	
FWHM / FWTM	44.0 + 25.0° / 73.0 + 64.0°	
Efficiency	85 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
C16142_HEKLA		
		$\times \Lambda \Lambda \times$
CITIZE	'N	
LED	CLC020 Series (Dim-To-Warm)	
FWHM / FWTM	29.0 + 23.0° / 72.0 + 57.0°	
Efficiency	84 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		$\times \Lambda \Lambda X$
C16142_HEKL	A-SOCKET-K	
		\times $(\setminus X)$
CITIZE	'N	
FWHM / FWTM	CLL02x/CLU02x (LES10) 47.0 + 24.0° / 75.0 + 58.0°	n
	47.0 + 24.0° / 75.0 + 58.0° 88 %	
Efficiency		
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone F15255_HEKLA		
F 15255_HEKLA	4-300KET-C	
CITIZE	'N	2.°
LED	CLU700/701/702/703	
FWHM / FWTM	50.0 + 18.0° / 71.0 + 43.0°	
Efficiency	90 %	erw
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
F15255_HEKLA	A-SOCKET-C	
		\times \times \times
		19 ⁴



CITIZE	'N	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU7A2/7A3 49.0 + 14.0° / 68.0 + 31.0° 91 % 3 cd/lm 1 White ents:	
CREE CLE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	CMA1516 49.0 + 25.0° / 76.0 + 57.0° 91 % 1.8 cd/lm 1 White ents:	
CREE (LED) FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	CMA1825 51.0 + 33.0° / 83.0 + 76.0° 88 % 1.3 cd/lm 1 White ents:	
CREE (LED) FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CMT14xx 48.0 + 26.0° / 77.0 + 60.0° 90 % 1.7 cd/lm 1 White ents:	



CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	CMT19xx 54.0 + 38.0° / 92.0 + 88.0° 84 % 1 cd/lm 1 White nts:	50 50 50 50 50 50 50 50 50 50
CREE LED	CXA/B 13xx 50.0 + 17.0° / 72.0 + 40.0° 91 %	
Peak intensity LEDs/each optic Light colour Required compone F15956_HEKLA		
		a 1 1 1 1 1 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 15xx 49.0 + 23.0° / 75.0 + 54.0° 90 % 1.9 cd/lm 1 White	
Required compone F15256_HEKLA		
	EDS	· · ·
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB L08 (Gen2) 54.0 + 38.0° / 93.0 + 90.0° 85 % 1 cd/lm 1 White	27 77 10 10 10 10 10 10 10 10 10 10 10 10 10
Required compone Bender Wirth: 63		



	EDC	
		•>
LED	LUXEON CoB 1202HD	32
FWHM / FWTM	51.0 + 18.0° / 73.0 + 43.0°	
Efficiency	91 %	5- 1
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
F15848_HEKLA	-SOCKET-G	
		\times \times
	EDS	
LED	LUXEON CoB 1202s	
FWHM / FWTM	51.0 + 17.0° / 72.0 + 40.0°	
Efficiency	91 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
F15848_HEKLA		
	EDS	
LED	LUXEON CoB 1204HD	
FWHM / FWTM	48.0 + 25.0° / 76.0 + 56.0° 91 %	
Efficiency		
Peak intensity	1.8 cd/lm	
LEDs/each optic Light colour	1	
	White	
Required compone	nts:	
	nts:	
Required compone	nts:	
Required compone	nts:	
Required compone	nts: -SOCKET-H	
Required compone F15858_HEKLA	nts: -SOCKET-H	
Required compone F15858_HEKLA	.EDS	
Required compone F15858_HEKLA	.SOCKET-H .EDS LUXEON CoB 1205HD	
Required compone F15858_HEKLA	EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0°	
Required compone F15858_HEKLA	EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 %	
Required compone F15858_HEKLA	EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm	
Required compone F15858_HEKLA	ents: -SOCKET-H EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm 1 White	
Required compone F15858_HEKLA	EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm 1 White ints:	
Required compone F15858_HEKLA	EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm 1 White ints:	
Required compone F15858_HEKLA	EDS LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm 1 White ints:	



	No. of Contraction	
	.EDS	۵
LED	LUXEON CX Plus CoB - HD S01H4	
FWHM / FWTM	50.0 + 18.0° / 72.0 + 43.0°	
Efficiency	90 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
Bender Wirth: 63	34c Hekla	
	EDS	
LED	LUXEON CX Plus CoB - HD S02H6	
FWHM / FWTM	$51.0 + 20.0^{\circ} / 72.0 + 45.0^{\circ}$	
Efficiency	91 %	
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
Bender Wirth: 6		
Dender With 0		
	EDS	
LED	LUXEON CX Plus CoB - HD S04H9	
FWHM / FWTM	46.0 + 25.0° / 75.0 + 58.0°	27
FWHM / FWTM	46.0 + 25.0° / 75.0 + 58.0°	
FWHM / FWTM Efficiency	46.0 + 25.0° / 75.0 + 58.0° 90 %	27
FWHM / FWTM Efficiency Peak intensity	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White	22 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6:	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6: Model Description	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white 34c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6: WIM / FWTM Efficiency	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White onts: 34c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6:	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 Composition Bender Wirth: 63 Composition Compos	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white Mite LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPACTION LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white Mite LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White white	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPARENT Efficiency Peak intensity LEDs/each optic Light colour	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white Mite LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White white	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPACTION LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white UXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White white	

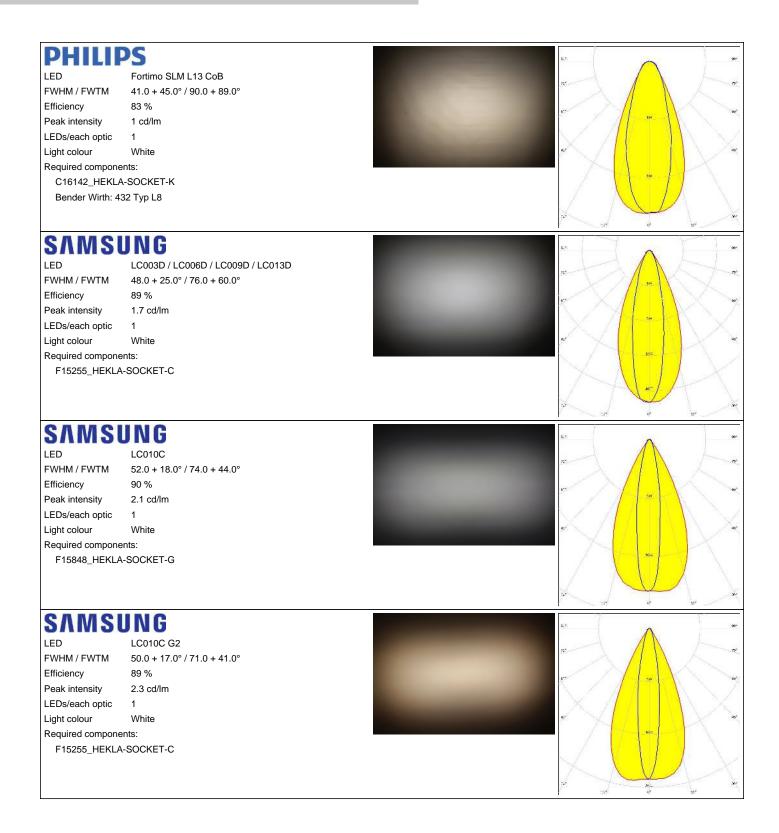


	EDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB M02 / M03 (Gen2) 46.0 + 23.0° / 74.0 + 56.0° 90 % 1.9 cd/lm 1 White ents:	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB S01 (Gen2) 48.0 + 20.0° / 68.0 + 47.0° 89 % 2.2 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	CxM-14 (19x19) 49.0 + 35.0° / 89.0 + 88.0° 79 % 1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CXM-4 51.0 + 16.0° / 70.0 + 37.0° 90 % 2.5 cd/lm 1 White ents:	



CLUM	INUS			
LED	CxM-9 (13.5x13.5)			
FWHM / FWTM	47.0 + 25.0° / 75.0 + 59.0°			~~~
Efficiency	89 %			V~
Peak intensity	1.8 cd/lm			
LEDs/each optic	1			
Light colour	White		# X	
Required compone	nts:			
F15255_HEKLA			\rightarrow \rightarrow \rightarrow	
			/ sc. //	H V
				312 34
ØNICHI	l l			
LED	NJCWL024Z-V1MT: COB L-Type Tunable White			L
FWHM / FWTM	46.0 + 20.0° / 70.0 + 50.0°		# // /	1
Efficiency	82 %			1~
Peak intensity	1.9 cd/lm			
LEDs/each optic	1			
Light colour	White		× ////	
Required compone				
C16142_HEKLA			/	
Bender Wirth: 49	97 Typ L8		A	
MAUCHIA				1.
ØNICHI			12 A	*
	NVCWJ024Z-V1MT: COB J-Type Tunable White	and the second se		J
				James J.
LED	NVCWJ024Z-V1MT: COB J-Type Tunable White		1.5°	James J.
LED FWHM / FWTM	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0°			James J.
LED FWHM / FWTM Efficiency	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 %			James J.
LED FWHM / FWTM Efficiency Peak intensity	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm		ц. сч.	James J.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White		22 00	James J.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White ints:		ц. сч.	James J.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white -SOCKET-K		22 00	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white -SOCKET-K		22 00	James J.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white -SOCKET-K			James J.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White Ints: INSOCKET-K 28 Typ L8			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White Ints: INSOCKET-K 28 Typ L8			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 43	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White Ints: -SOCKET-K 98 Typ L8			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 PHILLIE LED FWHM / FWTM Efficiency	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White Ints: SOCKET-K 28 Typ L8 Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0°			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 43 PHILLE FWHM / FWTM Efficiency Peak intensity	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White Ints: SOCKET-K 88 Typ L8 Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 %			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 PHILLIE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White I S S Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white NSOCKET-K 28 Typ L8 S Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white white SS Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm 1 White ints:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white white SS Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm 1 White ints:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White white white SS Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm 1 White ints:			James J.







SAMSU	JNG	
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	55.0 + 37.0° / 94.0 + 89.0°	
Efficiency	82 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
F15859_HEKLA	-SOCKET-I	
		\times \wedge \wedge \wedge \times
		52 <u>Here</u> 10 ⁴ 10
<u> </u>	JNG	£.*
LED	LC020C	
FWHM / FWTM	49.0 + 22.0° / 75.0 + 52.0°	
Efficiency	90 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
F15848_HEKLA	-SOCKET-G	
		\times \wedge \wedge \wedge \times
รกทรเ	ING	
LED	LC020C G2	
FWHM / FWTM	47.0 + 23.0° / 74.0 + 55.0°	
Efficiency	88 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
F15859_HEKLA	-SOCKET-I	
		16. July 16.
_		
_		
TRIDON		
	SLE G7 LES09	
TRIDON LED FWHM / FWTM	SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0°	
TRIDON LED FWHM / FWTM Efficiency	SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 %	
TRIDON LED FWHM / FWTM Efficiency Peak intensity	SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm	
TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm 1	
TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm 1 White	
TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm 1 White ints:	
TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm 1 White ints:	
TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SLE G7 LES09 46.0 + 24.0° / 74.0 + 57.0° 88 % 1.8 cd/lm 1 White ints:	



TRIDO				100
TRIDO	NIC			
LED	SLE G7 LES13			1
FWHM / FWTM	52.0 + 35.0° / 85.0 + 81.0°			A
Efficiency	84 %		5" /	
Peak intensity	1.1 cd/lm			
LEDs/each optic	1			NX.
Light colour	White			
Required compone				
F15859_HEKLA	A-SOCKET-I			
				X
			M	
TRIDO	VIC			*
LED	SLE G7 LES15			
FWHM / FWTM	55.0 + 39.0° / 94.0 + 90.0°		n	1
Efficiency	83 %			$\sqrt{\sim}$
Peak intensity	1 cd/lm			~~~~~
LEDs/each optic	1			X
Light colour	White		* 7 <u>8</u>	K
Required compone				$X \ge$
F15859_HEKL4				X
				1
	`		1.55 · · · · · · · · · · · · · · · · · ·	11 ¹
XICAI			4.7	
XICATO				
LED	XOB 14.5 mm			
LED FWHM / FWTM	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0°		#	~
LED FWHM / FWTM Efficiency	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 %		EX	~
LED FWHM / FWTM Efficiency Peak intensity	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm		E*	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1		E*	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White		5°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents:		E*	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents:		52 22 52 62 62 73 73 73 73 73	90 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA Efficiency Peak intensity	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0°			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 %			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % 1.8 cd/lm			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA Efficiency Peak intensity	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % 1.8 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % 1.8 cd/lm 1 White ents:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % 1.8 cd/lm 1 White ents:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XOB 14.5 mm 54.0 + 36.0° / 88.0 + 84.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-I XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 % 1.8 cd/lm 1 White ents:			



90

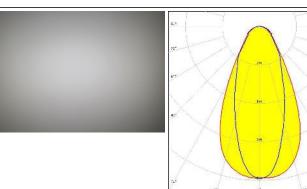
77

OPTICAL RESULTS (MEASURED):

XICATO

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic 1 Light colour Required components:

XTM - 19mm LES 57.0 + 40.0° / 111.0 + 107.0° 82 % 0.8 cd/lm White C16058_XTM-ADAPTER-50-C



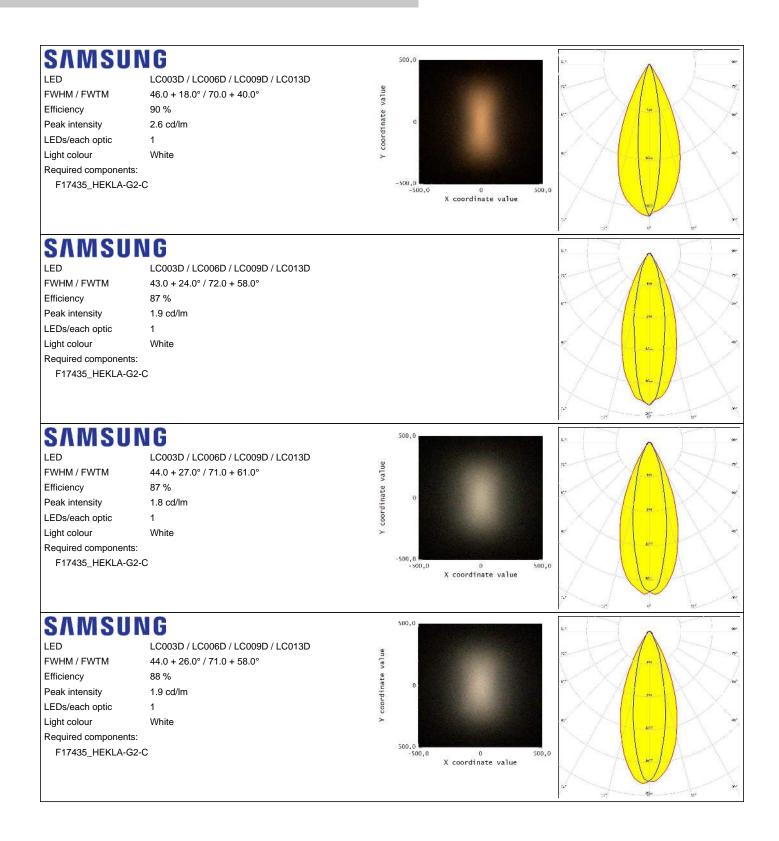


OPTICAL RESULTS (SIMULATED):

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15255_HEKLA-SOC	V10 Gen 8 24.0 + 45.0° / 56.0 + 73.0° 87 % 1.9 cd/lm 1 White KET-C		
CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15859_HEKLA-SOC	CLL03x/CLU03x 47.0 + 40.0° / 85.0 + 83.0° 80 % 1.1 cd/lm 1 White KET-I		
CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2-0	CLU7B2 48.0 + 12.0° / 68.0 + 27.0° 91 % 3.3 cd/lm 1 White	500,0 0 500,0 -500,0 X coordinate value	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15848_HEKLA-SOC	COB T-Type 28.0 + 47.0° / 40.0 + 71.0° 86 % 2.5 cd/lm 1 White KET-G		

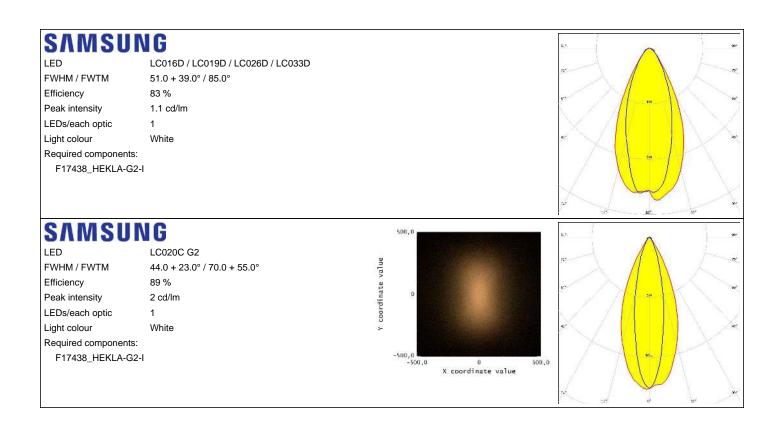


OPTICAL RESULTS (SIMULATED):





OPTICAL RESULTS (SIMULATED):





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.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations

Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/

where_to_buy