

RONDA-REC-60-C

~60° + 60° rectangular beam with holder C compatible with LEDiL HEKLA

SPECIFICATION:

Dimensions	Ø 53.9 mm
Height	16.6 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIALS:

Component F15556_RONDA-REC-60 F15635_RONDA-HLD-C

Туре
Single lens
Holder

Materia	al Colour	Finish
PMMA	clear	
PC	white	

ORDERING INFORMATION:

Quantities for one set:

Single lens 1 Holder 1

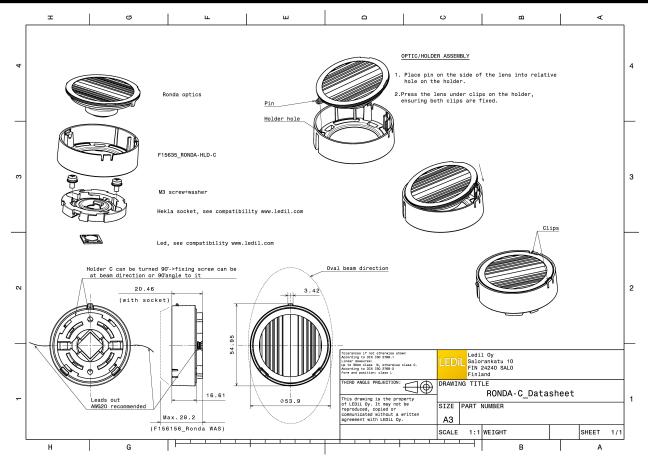


PRODUCT DATASHEET RONDA-REC-60-C

Component		Qty in box	MOQ	MPQ	Box weight (kg)
F15556_RONDA-REC-60 _» Box size: 480 x 280 x 300 mm	Single lens	420	120	30	6.7
F15635_RONDA-HLD-C » Box size: 480 x 280 x 300 mm	Holder	420	120	30	4.1



PRODUCT DATASHEET RONDA-REC-60-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: 63	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15253_HEKLA	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15253_HEKLA	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	V9 HD Gen7 57.7 + 56.8° / 96.3 + 94.5° 89 % 0.8 cd/lm 1 White nts:	
bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15616_HEKLA		
bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49	-SOCKET-K	
bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45	-SOCKET-K	



bridgelux.		30*
LED	Vesta DTW 9mm (4W/6W/12W)	
FWHM / FWTM	55.0° / 90.0°	
Efficiency	87 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	e-
Required compone	nts:	
C16142_HEKLA	-SOCKET-K	
Bender Wirth: 49	90 Тур L8	
		20 07 07 20
bridgelux.		
LED	Vesta TW 13mm (25W) CSP	
FWHM / FWTM	56.0° / 102.0°	
Efficiency	85 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	• • • • • • • • • • • • • • • • • • •
Required compone	nts:	
C16142_HEKLA		
Bender Wirth: 49		
		20' 00 20"
\bigcirc		
brídgelux.		90*
bridgelux. LED	Vesta TW 6mm DP	
	Vesta TW 6mm DP 55.0° / 90.0°	32
LED		35 ⁴
LED FWHM / FWTM	55.0° / 90.0°	2° 2° 60 ^x
LED FWHM / FWTM Efficiency	55.0° / 90.0° 85 %	
LED FWHM / FWTM Efficiency Peak intensity	55.0° / 90.0° 85 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	55.0° / 90.0° 85 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K	9 * 9 * 9 * 9 * 9 * 9 * 10 10 10 10 10 10 10 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K 04 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K 04 Typ L8 Vesta TW 9mm (12W) CSP	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 bridgeLUX LED FWHM / FWTM	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K 04 Typ L8 Vesta TW 9mm (12W) CSP 55.0° / 90.0 + 92.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 bridgeLUX. LED FWHM / FWTM Efficiency	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K 04 Typ L8 Vesta TW 9mm (12W) CSP 55.0° / 90.0 + 92.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 bridgelux. LED FWHM / FWTM Efficiency Peak intensity	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K 04 Typ L8 Vesta TW 9mm (12W) CSP 55.0° / 90.0 + 92.0° 87 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K 04 Typ L8 Vesta TW 9mm (12W) CSP 55.0° / 90.0 + 92.0° 87 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 90.0° 85 % 0.9 cd/lm 1 White nts: -SOCKET-K 04 Typ L8 Vesta TW 9mm (12W) CSP 55.0° / 90.0 + 92.0° 87 % 0.9 cd/lm 1 White nts:	



CITIZE	N	90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/	CLC020 Series (Dim-To-Warm) 53.0° / 89.0 + 85.0° 86 % 1 cd/lm 1 White ents:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLL02x/CLU02x (LES10) 58.0° / 95.0 + 94.0° 89 % 0.9 cd/lm 1 White ents:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702/703 55.0 + 56.0° / 90.0° 90 % 0.9 cd/lm 1 White ents:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU7A2/7A3 55.0° / 91.0° 90 % 0.9 cd/lm 1 White ents:	



CITIZE	'N	50 ⁴ 50 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LCN-C01B (Tunable White) 54.0° / 92.0° 86 % 0.9 cd/lm 1 White ents: A-SOCKET-K	
CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	CMA1516 61.0° / 100.0° 92 % 0.8 cd/lm 1 White ents:	
CREE (LE) ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	CMA1825 59.0° / 101.0° 90 % 0.8 cd/lm 1 White ents:	
CREE (LED) FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA F15176_ANGEI	CMT14xx 58.0° / 97.0° 91 % 0.9 cd/lm 1 White ents: A-SOCKET-C	



					90*	9
LED	CMT19xx					
FWHM / FWTM	58.0° / 108.0°				75*	\sim
Efficiency	88 %				X/D	-200
Peak intensity	0.8 cd/lm					
LEDs/each optic	1					
Light colour	White				45*	
Required componer			1000			
F15859_HEKLA						e.o.
					36*	
					15%	800 0 ⁶ 35°
					90*) I I I I I I I I I I I I I I I I I I I
LED	CXA/B 13xx				75.	
FWHM / FWTM	57.0° / 92.0°				$\sim \times \wedge$	200
Efficiency	91 %				60°	
Peak intensity	0.9 cd/lm					
LEDs/each optic	1				X / Γ	
Light colour	White				57°	
Required componer		-				- 640
F15956_HEKLA-	-SOCKET-J					
						840
					30*	3
ļ.					15*	0 ⁶ 15 ⁶
					90°	0° 15°
					90*	9
CREE CLED	CXA/B 15xx 59.0° / 95.0°		1		35 ⁵	
LED	CXA/B 15xx		5	٦	25	200
LED FWHM / FWTM	CXA/B 15xx 59.0° / 95.0°		0	Y	25 [°]	200
LED FWHM / FWTM Efficiency	CXA/B 15xx 59.0° / 95.0° 91 %)	25 [°]	200
LED FWHM / FWTM Efficiency Peak intensity	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm				25°	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White				60- 60- 50- 50- 50- 50- 50- 50- 50- 50- 50- 5	200 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts:		C		25°	c* 10* 200 0 440 0 600 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts:				25°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts:					
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA-	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts: -SOCKET-D					
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts: -SOCKET-D				25 ⁴	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F15256_HEKLA-	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White hts: SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2)					
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F15256_HEKLA:	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts: -SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 57.0° / 107.0°					000 000 000 000 000 000 000 000 000 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA:	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts: -SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 57.0° / 107.0° 90 %					000 000 000 000 000 000 000 000 000 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA-	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts: SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 57.0° / 107.0° 90 % 0.8 cd/lm					000 000 000 000 000 000 000 000 000 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA-	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts: SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 57.0° / 107.0° 90 % 0.8 cd/lm 1					000 000 000 000 000 000 000 000 000 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA-	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts: SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 57.0° / 107.0° 90 % 0.8 cd/lm 1 White					
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA-	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts: SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 57.0° / 107.0° 90 % 0.8 cd/lm 1 White nts:					
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA-	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts: SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 57.0° / 107.0° 90 % 0.8 cd/lm 1 White nts:					
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA-	CXA/B 15xx 59.0° / 95.0° 91 % 0.9 cd/lm 1 White nts: SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 57.0° / 107.0° 90 % 0.8 cd/lm 1 White nts:					



COMIL	FDS			an ^e	
LED	LUXEON CoB 1202HD				
FWHM / FWTM	57.0 + 55.0° / 94.0 + 92.0°			75*	
Efficiency	90 %				
Peak intensity	0.9 cd/lm				
LEDs/each optic	1			400	$\sim \Lambda \sim$
Light colour	White		100	5*	
Required compone	nts:		-	exe	- M
F15848_HEKLA					
				30* 170 00	3
	EDS			90%	9
LED	LUXEON CoB 1202s				
FWHM / FWTM	57.0° / 83.0 + 93.0°			75*	$\sqrt{7}$
Efficiency	91 %				
Peak intensity	0.9 cd/lm				
LEDs/each optic	1		100	400	
Light colour	White		100	45°	
Required compone					
F15848_HEKLA					
				30°	3
	EDC	-			
UMIL	EDS			90*	9
LED	LUXEON CoB 1204HD			80*	
				90 ⁴ 78 ⁴	
LED	LUXEON CoB 1204HD			99 ⁺ 75 ⁻ 60 ⁺	
LED FWHM / FWTM	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0°			60. 20.	
LED FWHM / FWTM Efficiency	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 %			99 ¹ 69 ¹ 60	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm			gr 200	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White			64. 64. 25. 26. 20. 20. 20. 20. 20. 20. 20. 20	,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts:			99' gr 00 00 00 00	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts:			9 ³	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts:			20. 21. 22. 20. 23. 29. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H			99°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H			59°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H			59° 59° 59° 59° 59° 59° 59° 59° 59° 59°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD			99' 99' 99' 99' 99' 99' 99' 99' 99' 99'	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD 57.3 + 57.4° / 98.4 + 98.2°			99' 77' 60' 99' 99' 99' 99' 20 00 00 00 00 00 00 00 00 00 00 00 00	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD 57.3 + 57.4° / 98.4 + 98.2° 89 %			99' 99' 99' 99' 99' 99' 99' 99' 99' 99'	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD 57.3 + 57.4° / 98.4 + 98.2° 89 % 0.8 cd/lm			99' 99' 99' 99' 99' 99' 99' 99' 99' 99'	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD 57.3 + 57.4° / 98.4 + 98.2° 89 % 0.8 cd/lm 1 White			99' 99' 09' 00 00 00 00 00 00 00 00 00 0	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD 57.3 + 57.4° / 98.4 + 98.2° 89 % 0.8 cd/lm 1 White nts:			99' 99' 00' 00' 00' 00' 00' 00'	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD 57.3 + 57.4° / 98.4 + 98.2° 89 % 0.8 cd/lm 1 White nts:			99' 99' 00' 00' 00' 00' 00' 00'	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD 57.3 + 57.5° / 96.0 + 97.0° 90 % 0.8 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD 57.3 + 57.4° / 98.4 + 98.2° 89 % 0.8 cd/lm 1 White nts:			99' 99' 60' 99' 15' 00' 10' 10' 10' 10' 10' 10' 10	



	EDS	59°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB - HD S01H4 55.0° / 92.0° 91 % 0.9 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 - HD S01H6 / HD S02H6 55.0° / 93.0° 91 % 0.9 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 - HD S04H9 58.0° / 95.0° 91 % 0.8 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 L04 / L05 (Gen2) 57.0° / 100.0° 90 % 0.8 cd/lm 1 White ents:	



COMIL	EDS		90* 90*
LED	LUXEON CX Plus CoB M02 / M03 (Gen2)		
FWHM / FWTM	57.0° / 95.0°		75. 75.
Efficiency	91 %		
Peak intensity	0.8 cd/lm		60° - 60°
LEDs/each optic	1	the second s	
Light colour	White		43° 43°
Required compone			
Bender Wirth: 64			
			30°
			125° 0° 25°
UMIL	EDS		90* 90*
LED	LUXEON CX Plus CoB S01 (Gen2)	and the second se	75.
FWHM / FWTM	55.0° / 92.0°		200
Efficiency	91 %		60°
Peak intensity	0.9 cd/lm		
LEDs/each optic	1		400
Light colour	White		45*
Required compone	nts:		
Bender Wirth: 63	34c Hekla		
			36- 127 04 120
	NUS	and the second se	90* 90*
	NUS CDM-14 (Dim-To-Warm)		9 ¹
			31. 25. 26.
LED	CDM-14 (Dim-To-Warm)		84 26 26 26
LED FWHM / FWTM	CDM-14 (Dim-To-Warm) 56.0° / 102.0°		64 94 96 96 96 96 96 96 96 96 96 96
LED FWHM / FWTM Efficiency	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 %		64 64 50 50 50 50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm		g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White		g. g. g. g. ,,,,,, .
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts:		94 94 ³ 75 75 75 75 75 75 75 75 75 75 75 75 75 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K		94 95 ³ 94 95 ³ 96 95 96 95 96 96 96 96 96 96 96 96 96 96 96 96 96
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K		24 00 00 00 64 00 54 00 54 00 54 00 54 00 54 00 54 00 55 00 56 00 56 00 57
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 91 Typ L8		20. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 11 Typ L8		30, 20, 0, 30, 64, 66, 66, 66, 66, 20, 66, 65, 66, 20, 20, 65, 75, 20, 65, 65, 86, 20, 20, 20, 86, 20, 20, 20, 86, 20, 20, 20,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 01 Typ L8 NUS CDM-6 (Dim-To-Warm)		20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 Ender Wirth: 49 LED FWHM / FWTM	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 11 Typ L8 NUS CDM-6 (Dim-To-Warm) 49.0° / 85.0°		200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 Ender Wirth: 49 LED FWHM / FWTM Efficiency	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 17 yp L8 NUS CDM-6 (Dim-To-Warm) 49.0° / 85.0° 82 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 4S Ender Wirth: 4S LED FWHM / FWTM Efficiency Peak intensity	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 11 Typ L8 NUS CDM-6 (Dim-To-Warm) 49.0° / 85.0° 82 % 0.9 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 4S Ender Wirth: 4S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 11 Typ L8 NUS CDM-6 (Dim-To-Warm) 49.0° / 85.0° 82 % 0.9 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 Ender Wi	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 11 Typ L8 NUS CDM-6 (Dim-To-Warm) 49.0° / 85.0° 82 % 0.9 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 Ender Wirth: 45 LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 11 Typ L8 CDM-6 (Dim-To-Warm) 49.0° / 85.0° 82 % 0.9 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 Ender Wirth: 45 LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 31 Typ L8 NUS CDM-6 (Dim-To-Warm) 49.0° / 85.0° 82 % 0.9 cd/lm 1 White nts: -SOCKET-K		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 Ender Wirth: 45 LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CDM-14 (Dim-To-Warm) 56.0° / 102.0° 82 % 0.8 cd/lm 1 White nts: -SOCKET-K 31 Typ L8 NUS CDM-6 (Dim-To-Warm) 49.0° / 85.0° 82 % 0.9 cd/lm 1 White nts: -SOCKET-K		



C LUM	NUS	90* 90*
LED	CDM-9 (Dim-To-Warm)	
FWHM / FWTM	58.0° / 96.0°	13. 22.
Efficiency	86 %	200
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	400
Light colour	White	gy ¹
Required compone		
C16142_HEKLA		
Bender Wirth: 49		
		30* 000 30*
	NUS	90 ⁴ 0 ⁵ 32 ⁵
	CTM-14 (Tunable White)	75
FWHM / FWTM	57.0° / 102.0° 82 %	200
Efficiency	82 % 0.8 cd/lm	60* 60*
Peak intensity		
LEDs/each optic	1 White	400 - 400
Light colour	White	
Required compone		
C16142_HEKLA		
Bender Wirth: 44	2 Typ L8	
		30 ⁶ 30 ⁶ 35 ⁵ 30 ⁴
	NUS	50°
LED	CTM-9 (Tunable White)	
FWHM / FWTM	56.0° / 91.0°	200
Efficiency	86 %	60°
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	d2e. d2e
Required compone	nts:	
C16142_HEKLA	SOCKET-K	
Bender Wirth: 49	5 Typ L8	
		30° 15° 0° 15°
(C) LUM	NUS	90° 90°
LED	CxM-14 (19x19)	
FWHM / FWTM	57.0° / 103.0°	75
1		200
Efficiency	86 %	
Efficiency Peak intensity	86 %	601 602
Peak intensity	86 % 0.8 cd/lm	40°
Peak intensity LEDs/each optic	86 % 0.8 cd/lm 1	90° 60°
Peak intensity LEDs/each optic Light colour	86 % 0.8 cd/lm 1 White	gr" 60"
Peak intensity LEDs/each optic Light colour Required compone	86 % 0.8 cd/lm 1 White hts:	5°
Peak intensity LEDs/each optic Light colour	86 % 0.8 cd/lm 1 White hts:	gy* 60*
Peak intensity LEDs/each optic Light colour Required compone	86 % 0.8 cd/lm 1 White hts:	201 · · · · · · · · · · · · · · · · · · ·



(ca			
	NUS		90* 90*
LED	CXM-4		
FWHM / FWTM	54.0° / 88.0°		200
Efficiency	90 %		60° 60°
Peak intensity	1 cd/lm		$\mathbf{K} \rightarrow \mathbf{A} \rightarrow \mathbf{A} \rightarrow \mathbf{A}$
LEDs/each optic	1		
Light colour	White		aze eze
Required compone	nts:		
F15255_HEKLA	-SOCKET-C		
			800
			30° 30°
	NUS		15 ⁵ 0 ⁸ 35 ⁵
~		and the second se	90° 90°
LED	CxM-9 (13.5x13.5)		75
FWHM / FWTM	58.0° / 95.0°		200
Efficiency	89 %		69° 60°
Peak intensity	0.9 cd/lm	and the second se	
LEDs/each optic	1		ay
Light colour	White		
Required compone			
F15255_HEKLA	-SUCKET-C		
			36 ⁴ 15 ⁵ 0 ⁶ 25 ⁵
ØNICHI	L		50°
	NJCWL024Z-V1MT: COB L-Type Tunable White		90°
			34°
LED	NJCWL024Z-V1MT: COB L-Type Tunable White		90 ⁴ 90 ⁷
LED FWHM / FWTM	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0°		99 ⁴ 79 ⁴ 79 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 %		50°
LED FWHM / FWTM Efficiency Peak intensity	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White		90° 99° 73° 200 60° 60° 50° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts:		99" 99" 70 60" 70 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K		90° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K		5° 5° 5° 5° 5° 5° 5° 5° 5° 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 97 Typ L8		30, 22, 6, 22, 60, 60, 65, 65, 20, 20, 25, 25, 30, 20, 25, 25, 30, 20, 25, 25,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 97 Typ L8		99° 99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 97 Typ L8		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 97 Typ L8		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 WICHIM LED FWHM / FWTM Efficiency	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 77 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 55.0° / 94.0 + 49.0° 86 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 WICHIA LED FWHM / FWTM Efficiency Peak intensity	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 77 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 55.0° / 94.0 + 49.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 17 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 55.0° / 94.0 + 49.0° 86 % 0.9 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 77 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 55.0° / 94.0 + 49.0° 86 % 0.9 cd/lm 1 White		20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 WICHIA Efficiency Peak intensity LEDs/each optic Light colour Required compone	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 77 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 55.0° / 94.0 + 49.0° 86 % 0.9 cd/lm 1 White nts:		20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 WICHIA Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 77 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 55.0° / 94.0 + 49.0° 86 % 0.9 cd/lm 1 White nts: -SOCKET-K		20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 WICHIA Efficiency Peak intensity LEDs/each optic Light colour Required compone	NJCWL024Z-V1MT: COB L-Type Tunable White 56.0° / 89.0° 83 % 0.9 cd/lm 1 White nts: -SOCKET-K 77 Typ L8 NVCWJ024Z-V1MT: COB J-Type Tunable White 55.0° / 94.0 + 49.0° 86 % 0.9 cd/lm 1 White nts: -SOCKET-K		20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -



SAMSI	JNG	55*
LED	LC003D / LC006D / LC009D / LC013D	
FWHM / FWTM	58.0° / 95.0 + 96.0°	
Efficiency	90 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
F15255_HEKLA	-SOCKET-C	
		24 Loo - Loo
SAMSI	JNG	
LED	LC010C	
FWHM / FWTM	58.0° / 95.0 + 96.0°	
Efficiency	90 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	gr Aller
Required compone		
F15848_HEKLA		
_		
		135 [°] 0 [°] 135 [°]
SAMSI	JNG	301
LED	LC010C G2	
FWHM / FWTM	55.0° / 91.0°	
Efficiency	89 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	¢.
Required compone	ents:	
F15255_HEKLA	-SOCKET-C	

		30° 12° 0° 12°
SAMSI	JNG	
LED	LC010T (Tunable White)	
FWHM / FWTM	55.0° / 92.0°	
Efficiency	87 %	
	0.9 cd/lm	
Peak intensitv		
Peak intensity LEDs/each optic	1	
LEDs/each optic	1 Tunable White	e.
LEDs/each optic Light colour	Tunable White	e7-
LEDs/each optic Light colour Required compone	Tunable White ents:	g
LEDs/each optic Light colour Required compone C16142_HEKLA	Tunable White ents: -SOCKET-K	
LEDs/each optic Light colour Required compone	Tunable White ents: -SOCKET-K	



SAMSU	ING	901
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	59.0 + 58.0° / 107.0°	
Efficiency	86 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer	nts:	
F15859_HEKLA-	-SOCKET-I	
		30 ⁴ 000 13 ⁵
<u> </u>	JNG	9 ⁴
LED	LC020C	
FWHM / FWTM	59.0° / 97.0°	77
Efficiency	90 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	g
Required componer	nts:	
F15848_HEKLA-	-SOCKET-G	
SAMSU	ING	30°
LED	LC020C G2	
FWHM / FWTM	58.0° / 95.0°	8
	88 %	
Efficiency	88 % 0.8 cd/lm	
Efficiency Peak intensity	88 % 0.8 cd/lm 1	
Efficiency	0.8 cd/lm	97 ⁻ 97
Efficiency Peak intensity LEDs/each optic	0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White nts:	9 ³ 9 ³ 9 ³ 9 ³ 9 ³ 9 ³ 9 ³ 9 ³
Efficiency Peak intensity LEDs/each optic Light colour Required componer	0.8 cd/lm 1 White nts:	51 51 00
Efficiency Peak intensity LEDs/each optic Light colour Required componer	0.8 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA-	0.8 cd/lm 1 White nts: SOCKET-I	
Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA-	0.8 cd/lm 1 White nts: SOCKET-I	200 200
Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA-	0.8 cd/lm 1 White nts: SOCKET-I	
Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA-	0.8 cd/lm 1 White nts: SOCKET-I UNG LC020T (Tunable white)	
Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA- SAMSU LED FWHM / FWTM Efficiency	0.8 cd/lm 1 White nts: SOCKET-I UNG LC020T (Tunable white) 55.0° / 99.0° 86 %	200 200
Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA-	0.8 cd/lm 1 White nts: SOCKET-I UNG LC020T (Tunable white) 55.0° / 99.0°	200
Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA- SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.8 cd/lm 1 White hts: -SOCKET-1 DNG LC020T (Tunable white) 55.0° / 99.0° 86 % 0.9 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA- SAMSU LED FWHM / FWTM Efficiency Peak intensity	0.8 cd/lm 1 White hts: SOCKET-1 SOCKET-1 Socket LC020T (Tunable white) 55.0° / 99.0° 86 % 0.9 cd/lm 1 Tunable White	
Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA- SAMSL ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White nts: SOCKET-I SOCKET-I LC020T (Tunable white) 55.0° / 99.0° 86 % 0.9 cd/lm 1 Tunable White nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required componer F15859_HEKLA- SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	0.8 cd/lm 1 White ING LC020T (Tunable white) 55.0° / 99.0° 86 % 0.9 cd/lm 1 Tunable White Ints: -SOCKET-K	



TRIDON			90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	SLE G7 LES09 58.0° / 92.0° 90 % 0.9 cd/lm 1 White ents:		
TRIDON	SLE G7 LES13 57.0° / 99.0°		13. 26. 26.
Efficiency Peak intensity LEDs/each optic Light colour	87 % 0.8 cd/lm 1 White		6°
Required compone F15859_HEKLA	ents:		
TRIDON			15 [°] 0 ⁴ 35 [°]
LED FWHM / FWTM Efficiency	SLE G7 LES15 58.0° / 106.0° 87 %		77
Peak intensity LEDs/each optic Light colour	0.8 cd/lm 1 White		a. the set
Required compone F15859_HEKLA			50° 600 50°
XICATO)		90 ⁺ 90 ⁺
LED FWHM / FWTM	XOB 14.5 mm 57.0° / 104.0°		75
Efficiency	87 %		200
Peak intensity	0.8 cd/lm		
LEDs/each optic Light colour	1 White		er
Required compone			
F15859_HEKLA	A-SOCKET-I		
			30° 15° 0° 15°



XICATO)			90°
LED	XOB 9.8 mm			
FWHM / FWTM	58.0° / 94.0°			200
Efficiency	90 %			
Peak intensity	0.9 cd/lm			
LEDs/each optic	1			
Light colour	White			gr er
Required compone	ents:			
F15255_HEKLA	A-SOCKET-C			
				800
				30.
				15 ⁵ 0 ⁶ 15 ⁵
XICATO)			90°
LED	XTM - 19mm LES			
FWHM / FWTM	62.0° / 115.0°			
Efficiency	86 %			- 200 - 60°
Peak intensity	0.7 cd/lm			
LEDs/each optic	1			
Light colour				400 45°
Light colour	White			
Required compone		I		$\square \land \land$
-	ents:	I	_	
Required compone	ents:	I		
Required compone	ents:	I		



OPTICAL RESULTS (SIMULATED):

ØΝΙCΗΙΛ		90 ⁴ 91 ⁴
LED	СОВ Т-Туре	77
FWHM / FWTM	54.0° / 81.0°	20
Efficiency	86 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	er- er-
Required components	:	
F15848_HEKLA-SO	OCKET-G	
		1000 0 ¹⁰ 10 ¹⁰



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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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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