

PRODUCT DATASHEET RONDA-O-C

RONDA-O-C

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

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

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

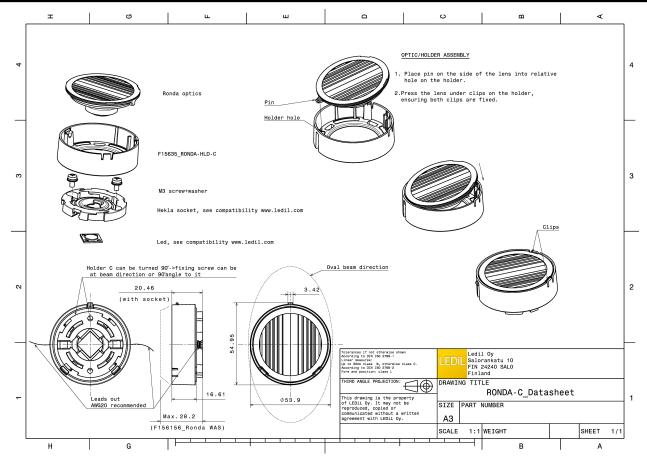


PRODUCT DATASHEET RONDA-O-C

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>



bridgelux. 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 F15859_HEKLA		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45	-SOCKET-K	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45	-SOCKET-K	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50	-SOCKET-K	



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA		
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	CLC020 Series (Dim-To-Warm) 29.0 + 23.0° / 72.0 + 57.0° 84 % 1.9 cd/lm 1 White ents:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLL02x/CLU02x (LES10) 47.0 + 24.0° / 75.0 + 58.0° 88 % 1.8 cd/lm 1 White	
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 50.0 + 18.0° / 71.0 + 43.0° 90 % 2.3 cd/lm 1 White ents:	



CITIZE	2N	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU7A2 (LES 4.2mm) 49.0 + 14.0° / 68.0 + 31.0° 91 % 3 cd/lm 1 White ents:	77. 61. 62. 63. 63. 63. 64. 65. 65. 65. 65. 65. 65. 65. 65. 65. 65
	D	
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:	
	D	
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:	
	D	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CMT14xx 48.0 + 26.0° / 77.0 + 60.0° 90 % 1.7 cd/lm 1 White ents:	39 60 67 77 120



		50' 50'
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:	
		25 ⁴ 4 ⁵ 25 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15956_HEKLA	CXA/B 13xx 50.0 + 17.0° / 72.0 + 40.0° 91 % 2.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	CXA/B 15xx 49.0 + 23.0° / 75.0 + 54.0° 90 % 1.9 cd/Im 1 White nts:	
UMIL	EDS	50* 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB L08 (Gen2) 54.0 + 38.0° / 93.0 + 90.0° 85 % 1 cd/lm 1 White nts:	



UMIL	EDS	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	LUXEON CoB 1202HD 51.0 + 18.0° / 73.0 + 43.0° 91 % 2.2 cd/lm 1 White ents:	
		24 25 280 25 26
🖉 LUMIL	EDS	90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CoB 1202s 51.0 + 17.0° / 72.0 + 40.0° 91 % 2.3 cd/lm 1 White	2 ³ 200 200 200 200 200 200 200 200 200 20
Required compone F15848_HEKLA		2600 2600 200 200 200 200 200 200 200 20
UMIL	EDS	90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA		
	EDS	30 ⁴ 20 ⁷ 20 ⁴
Control Contro	LUXEON CoB 1205HD 48.0 + 30.0° / 79.0 + 68.0° 88 % 1.5 cd/lm 1 White ints:	



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🖉 LUMIL	EDS		90° 90
LED	LUXEON CX Plus CoB - HD S01H4		
FWHM / FWTM	50.0 + 18.0° / 72.0 + 43.0°		75
Efficiency	90 %		
Peak intensity	2.3 cd/lm		60° 800
LEDs/each optic	1		
Light colour	White		454 457
Required compone			1600
Bender Wirth: 6			
			30° 30'
			135° 2400 15°
M LUMIL	.EDS		90* 90
LED	LUXEON CX Plus CoB - HD S01H6 / HD S02H6	A REAL PROPERTY AND A REAL	
FWHM / FWTM	51.0 + 20.0° / 72.0 + 45.0°		73*
Efficiency	91 %		
Peak intensity	2.1 cd/lm		- 200
LEDs/each optic	1		
Light colour	White		97° 65
Required compone	ents:		
Bender Wirth: 6	34c Hekla		1500
			30.
			15° 0° 15°
	EDS		90°
			50 ⁴ 50
LED	LUXEON CX Plus CoB - HD S04H9	and the second se	9)* 73. 00
LED FWHM / FWTM	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0°		90° 99 73° 73 600
LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 %		90°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm		9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 %		00 00 00 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White		97 99 75 - 60 60 60 60 75 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents:		97 99 97 00 91 00 07 00 150 0 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents:		97 99 79 00 90 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	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla		- 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla		- 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla		30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla		30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White white white SEDS LUXEON CX Plus CoB L04 / L05 (Gen2)		30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB - HD S04H9 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°		30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 %		30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6 Wirth: 6 Compose Bender Wirth: 6 Compose Bende	LUXEON CX Plus CoB - HD S04H9 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		30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6 WIM / WITH: 6 FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White		30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6 WIM / WITH: 6 FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White ents:		30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6 COMPARENTION LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White ents:		30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6 WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB - HD S04H9 46.0 + 25.0° / 75.0 + 58.0° 90 % 1.8 cd/lm 1 White ents: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 48.0° / 79.0 + 72.0° 88 % 1.4 cd/lm 1 White ents:		30° 30% 30% 30%



LUMILEDS LED LUXEON CX Plus CoB M02 / M03 (Gen2) FWHM / FWTM 46.0 + 23.0° / 74.0 + 56.0° Efficiency 90 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 641a Hekla LUMILEDS LED LUXEON CX Plus CoB S01 (Gen2) FWHM / FWTM 48.0 + 20.0° / 68.0 + 47.0° Efficiency 89 % Peak intensity 2.2 cd/lm LEDs/each optic 1 White Light colour Required components: Bender Wirth: 634c Hekla LED CxM-14 (19x19) FWHM / FWTM 49.0 + 35.0° / 89.0 + 88.0° Efficiency 79 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I LED CXM-4 FWHM / FWTM 51.0 + 16.0° / 70.0 + 37.0° Efficiency 90 % Peak intensity 2.5 cd/lm LEDs/each optic 1 White Light colour Required components: F15255_HEKLA-SOCKET-C



	NUS		90° 90°
LED	CxM-9 (13.5x13.5)		
FWHM / FWTM	47.0 + 25.0° / 75.0 + 59.0°		75* 75*
Efficiency	89 %		
Peak intensity	1.8 cd/lm		
LEDs/each optic	1		
Light colour	White		g et
Required compone	nts:		1230
F15255_HEKLA	-SOCKET-C		
			36* 25 0* 157
ØNICHI∧			50° 50°
LED	NJCWL024Z-V1MT: COB L-Type Tunable White		
FWHM / FWTM	46.0 + 20.0° / 70.0 + 50.0°		23.
Efficiency	82 %		
Peak intensity	1.9 cd/lm		
LEDs/each optic	1		
Light colour	White		g
Required compone	nts:		
C16142_HEKLA			1600
Bender Wirth: 49			
			30° 30° 30°
MNICHI			90° 90°
	NVCWJ024Z-V1MT: COB J-Type Tunable White	and the second s	50°
			90 ⁴ 73 ⁴
LED	NVCWJ024Z-V1MT: COB J-Type Tunable White		
LED FWHM / FWTM	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0°		60 60 90 90 90 90 90 90 90 90 90 9
LED FWHM / FWTM Efficiency	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 %		60 60 90 90 90 90 90 90 90 90 90 9
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		59 ¹ 59 ¹ 60 ¹ 60 ² 60 ³ 60 ⁴ 60
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 1 White		9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹
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 nts:		90 ⁴ 90 ⁴ 90 90 90 90 90 90 90 90 90 90 90 90 90
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 nts: -SOCKET-K		99 ⁴ 99 ⁴ 99 ⁴ 99 ⁴ 90 ⁶ 90 ⁶ 90 ⁶ 90 ⁶ 90 ⁶ 90 ⁶ 90 ⁷ 90 ⁷ 9
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 nts: -SOCKET-K		99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White nts: -SOCKET-K 98 Typ L8		30° 300 30°
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 nts: -SOCKET-K 98 Typ L8		30 ⁴ 157 0 ⁴ 157 30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White nts: -SOCKET-K 28 Typ L8		30 ⁴ 157 0 ⁴ 157 30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 4S	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White nts: -SOCKET-K 28 Typ L8 S Fortimo SLM L09 CoB		30 ⁴ 157 0 ⁴ 157 30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 4§ PHILLIC 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 nts: -SOCKET-K 28 Typ L8 S Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0°		30 ⁴ 157 0 ⁴ 157 30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45 PHILLIC 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 1 White nts: -SOCKET-K 28 Typ L8 S Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 %		30 ⁴ 130 130 0 ⁴ 130 0 ⁴ 130
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	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White nts: -SOCKET-K 18 Typ L8 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: 45	NVCWJ024Z-V1MT: COB J-Type Tunable White 45.0 + 25.0° / 75.0 + 67.0° 84 % 1.6 cd/lm 1 White nts: -SOCKET-K 28 Typ L8 S Fortimo SLM L09 CoB 48.0 + 25.0° / 76.0 + 58.0° 90 % 1.7 cd/lm 1 White		30 ⁴ 130 130 0 ⁴ 130 0 ⁴ 130
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 PHILLO 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 nts: -SOCKET-K 88 Typ L8		64 64 10 10 10 10 10 10 10 10 10 10
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 nts: -SOCKET-K 88 Typ L8		64 64 99 159 00 159 00 159 00 159 00 159 159 159 159 159 159 159 159
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 nts: -SOCKET-K 88 Typ L8		64. 66. 66. 73. 73. 73. 73. 75. 75. 75. 75. 75. 75. 75. 75. 75. 75



FWHM/FWTM 410 + 45.0° / 50.0 + 88.0° Efficiency 83% Reak Intensity 1 colum LEDWards optic 1 LeDMark 2 Typ L8 SAMS UN G LED LC0300 / LC0080 / LC0130 FWHM / FWTM 48.0 + 25.0° / 76.0 + 60.0° Efficiency 89% Peak Intensity 1.7 cd/m LEDWards optic 1 Light colour While Required components: F15255_HEKLA-SOCKET-C SAMS UN G LED LC010C FWHM / FWTM 52.0 + 18.0° / 74.0 + 44.0° Efficiency 90% Peak Intensity 2.1 cd/m LEDWards optic 1 LEDWards optic 1 Light colour While Required components: F15255_HEKLA-SOCKET-C SAMS UN G Efficiency 90% Peak Intensity 2.1 cd/m LEDWards optic 1 LEDWards optic 1 LEDWardwards LEDWards optic 1 LEDWards optic	PHILIF	S	90 ⁴ 90
LED LC003D / LC006D / LC004D /	LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	Fortimo SLM L13 CoB 41.0 + 45.0° / 90.0 + 89.0° 83 % 1 cd/lm 1 White ents: A-SOCKET-K	
LED LC003D / LC006D / LC008D / LC003D FWHM / FWTM 48.0 + 25.0° / 76.0 + 60.0° Elidiency 89 % Peak intensity 1.7 cd/m LED / each optic 1 LeD / each optic 1 LeD / each optic 1 LED / LC010C FWHM / FWTM 52.0 + 18.0° / 74.0 + 44.0° Elidicncy 90 % Peak intensity 2.1 cd/m LED / LC010C FWHM / FWTM 52.0 + 18.0° / 74.0 + 44.0° Efficiency 90 % Peak intensity 2.1 cd/m LED / Each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G ELD LC010C 62 FWHM / FWTM 50.0 + 17.0° / 71.0 + 41.0° Elidicncy 89 % Peak intensity 2.3 cd/m LED / Each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G			20 ⁵ 0 ⁴ 13 ⁵ 0
FWHM / FVTM 48.0 + 25.0 ° / 76.0 + 60.0 ° Efficiency 89 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: F 15255_HEKLA-SOCKET-C SAMS UNC EFICIENCY 90 % Peak intensity 2.1 cd/m LEDs/each optic 1 LEDs/each optic 1 LEDs/each optic 1 LEDs/each optic 1 EFISAB_HEKLA-SOCKET-G SAMS UNC EACH AND			90* 90
Efficiency 89% Peak intensity 1.7 collin LED Everach optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C SAMSUNG LED LC010C FWHM / FWTM 52.0+11.0°/74.0+44.0° Efficiency 90% Peak intensity 2.1 collin LED Seach optic 1 LED LC010C White Required components: F15848_HEKLA-SOCKET-G SAMSUNG LED LC010C 62 FWHM / FWTM 50.0+17.0°/71.0+41.0° Efficiency 89% Peak intensity 2.3 collin LED Seach optic 1 LED LC010C 62 FWHM / FWTM 50.0+17.0°/71.0+41.0° Efficiency 89% Peak intensity 2.3 collin LED Seach optic 1 LED LED LC010C 62 FWHM / FWTM 50.0+17.0°/71.0+41.0° Efficiency 89% Peak intensity 2.3 collin LED Seach optic 1 LED Seach optic 1 LED LED LC010C White Required components: F1525_HEKLA-SOCKET-C	LED		
Peak intensity 1.7 cd/m LEDSeach optic 1 Light colour White Required components: F15255_HEKLA-SOCKETC SAMSUNG LED LC010C EVHM / FVTM 52.0 + 18.0° / 74.0 + 44.0° Efficiency 90% Peak intensity 2.1 cd/m LEDSeach optic 1 Light colour White Required components: F15848_HEKLA-SOCKETG SAMSUNG LED LC010C 62 EVHM / FVTM 50.0 + 17.0° / 71.0 + 41.0° Efficiency 89% Peak intensity 2.3 cd/m LEDSeach optic 1 Light colour White Required components: F15255_HEKLA-SOCKETC			
LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C SAMSUNC LED LC010C FWHM /FWTM 52.0 + 18.0° / 74.0 + 44.0° Efficiency 90% Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components: F15849_HEKLA-SOCKET-G SAMSUNC Efficiency 80% Peak intensity 2.3 cd/m LED LC010C G2 FWHM /FWTM 50.0 + 17.0° / 71.0 + 41.0° Efficiency 80% Peak intensity 2.3 cd/m LED LC010C G2 FWHM /FWTM 50.0 + 17.0° / 71.0 + 41.0° Efficiency 80% Peak intensity 2.3 cd/m LED/seach optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C			
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F15255_HEKLA-SOCKET-C			
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LED LC010C FWHM / FWTM 52.0 + 18.0° / 74.0 + 44.0° Efficiency 90 % Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	1 13235_HERE	-SOCKET-C	
LED LC010C FWHM / FWTM 52.0 + 18.0° / 74.0 + 44.0° Efficiency 90 % Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C			
LED LC010C FWHM / FWTM 52.0 + 18.0° / 74.0 + 44.0° Efficiency 90 % Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C			30° 0° 35
LED LC010C FWHM / FWTM 52.0 + 18.0° / 74.0 + 44.0° Efficiency 90 % Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	SAMSI	JNG	20 ³
Efficiency 90 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G	LED		
Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G SAMSUNG LED LC010C G2 FWHM / FWTM 50.0 + 17.0° / 71.0 + 41.0° Efficiency 89 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	FWHM / FWTM	52.0 + 18.0° / 74.0 + 44.0°	
LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G SAMSUNG LED LC010C G2 FWHM / FWTM 50.0 + 17.0° / 71.0 + 41.0° Efficiency 89 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C		00.0/	
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F15848_HEKLA-SOCKET-G	Peak intensity	2.1 cd/lm	
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LED LC010C G2 FWHM / FWTM 50.0 + 17.0° / 71.0 + 41.0° Efficiency 89 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	Peak intensity LEDs/each optic Light colour Required compone	2.1 cd/lm 1 White ents:	
FWHM / FWTM 50.0 + 17.0° / 71.0 + 41.0° Efficiency 89 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	2.1 cd/lm 1 White ents: A-SOCKET-G	
Efficiency 89 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	2.1 cd/lm 1 White ents: N-SOCKET-G	
Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA	2.1 cd/lm 1 White ents: -SOCKET-G UNG LC010C G2	
LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA SAMSI LED FWHM / FWTM	2.1 cd/lm 1 White ents: -SOCKET-G UNG LC010C G2 50.0 + 17.0° / 71.0 + 41.0°	
Light colour White Required components: F15255_HEKLA-SOCKET-C	Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA SAMSI LED FWHM / FWTM Efficiency	2.1 cd/lm 1 White ents: -SOCKET-G UNC LC010C G2 50.0 + 17.0° / 71.0 + 41.0° 89 %	
Required components: F15255_HEKLA-SOCKET-C	Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA SAMSI LED FWHM / FWTM Efficiency Peak intensity	2.1 cd/lm 1 White ents: A-SOCKET-G UNC LC010C G2 50.0 + 17.0° / 71.0 + 41.0° 89 % 2.3 cd/lm	
F15255_HEKLA-SOCKET-C	Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	2.1 cd/lm 1 White ents: -SOCKET-G UNC LC010C G2 50.0 + 17.0° / 71.0 + 41.0° 89 % 2.3 cd/lm 1	
	Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	2.1 cd/lm 1 White ents: -SOCKET-G UNC LC010C G2 50.0 + 17.0° / 71.0 + 41.0° 89 % 2.3 cd/lm 1 White	
	Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	2.1 cd/lm 1 White ents: -SOCKET-G UNC LC010C G2 50.0 + 17.0° / 71.0 + 41.0° 89 % 2.3 cd/lm 1 White ents:	
	Peak intensity LEDs/each optic Light colour Required compone F15848_HEKLA SAMSSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	2.1 cd/lm 1 White ents: -SOCKET-G UNC LC010C G2 50.0 + 17.0° / 71.0 + 41.0° 89 % 2.3 cd/lm 1 White ents:	



LED LC016D / LC018D / LC038D / LC033D FWHM / FWTM 55.0 + 37.0' / 84.0 + 89.0' Efficiency 92 % Pask intensity 1 cutin LED intensity 1	SAMS	ING	59*
FWHM /FVTM 85.0 * 37.0 * / 94.0 + 89.0 * Efficiency 82.% Peak intensity 1.0 d/m LEDweak optice 1 Light colur White Required components: F Pask intensity 1.9 d/m LED keak optice 1 Light colur White Required components: F F15848_HEKLA-SOCKET-I Image: Column optice SAMSUNG 1.0 d/m Light colur White Required components: F F15848_HEKLA-SOCKET-G Image: Column optice SAMSUNG Image: Column optice F15848_HEKLA-SOCKET-G Image: Column optice F15848_HEKLA-SOCKET-I Image: Column optice F15858_HEKLA-SOCKET-I Image: Column optice F15858_HEKL			
Efficiency 82 % Peak intensity 1 od/m LED/each optic F15859_HEKLA-SOCKET-1 SAMMS UNG LD CO20C FWHM /FVTM 49.0 + 22.0° / 75.0 + 52.0° Efficiency 00 % Peak intensity 1.9 cd/m LED/each optic 1 LED/each			77
Peak intensity 1 cd/m LEDS/each optic 1 LEDS/each optic 1 SAMASUNG Required components: F15559_HEKLA-SOCKET-I SAMASUNG EVENT J 50 cf/ FVHM / FVT 40-12.07 / 75.0 + 52.0° Efficiency 90% Peak intensity 1-9 cd/m LEDS/each optic 1 LEDS/each optic 1 ElDS/each optic 1 ElDS/each optic 1 ElDS/each optic 1 LEDS/each optic 1 L			
LEDs/sachopic 1 Light color White Required components: F15555_HEKLA-SOCKET-I SAMSUNG LED LC020C FWHM /FVTM 49.0+220 /75.0+52.0* Ellicancy 30 % Peak intensity 1 9 cd/m LEDs/sachopic 1 Light color White Required components: F15548_HEKLA-SOCKET-I Ellicancy 88 % Peak intensity 1 9 cd/m LEDs/sachopic 1 Light color White Required components: F15555_HEKLA-SOCKET-I			ear and the second s
Light color Required components: FISSES_HEKLA-SOCKET-I SAMSUNG LED EVHM /FVTM 49.0 + 22.0' / 75.0 + 52.0' Elfoiency 90% Peak intensity 1.9 cd/m LEDs/each optic 1 Light color White Required components: FISSES_HEKLA-SOCKET-G SAMSUNG LED & LC200 G2 FVHM / FVTM 47.0 + 23.0' / 74.0 + 55.0' Elfoiency 88% Peak intensity 1.9 cd/m LEDs/each optic 1 Light color White Required components: FISSES_HEKLA-SOCKET-G FVHM / FVTM 47.0 + 23.0' / 74.0 + 55.0' Elfoiency 88% Peak intensity 1.9 cd/m LEDs/each optic 1 LED & LC200 G2 FVHM / FVTM 47.0 + 23.0' / 74.0 + 55.0' Elfoiency 88% Peak intensity 1.9 cd/m LEDS/each optic 1 LED & SLEOP LOC20CKET-G FVHM / FVTM 45.0 CKET-G FVHM / FVTM 45.0 CKET-G	-		
Required components: F15859_HEKLA-SOCKET-1 SAMSUNC LED LC020C FWHM /FWTM 49.0-2.20/ 75.0-5.2.0* Efficiency 90% Peak intensity 1.9 cd/m LED keak optic 1 Light colour White Required components: F15858_HEKLA-SOCKET-3 FISES6_HEKLA-SOCK			
F15555_HEKLA-SOCKET-I			
SAMSUNC LE LC200 FWHM / 20 / 75.0 + 52.0' Efficiency 90% Peak itersity 1.9 ddm LEDweak optio 1 Lgh colour White Required components: F15849_HEKLA-SOCKET-G SAMSUNC LED LC200C 62 FWHM / FVTM 47.0 + 23.0' 74.0 + 55.0' Efficiency 88% Peak itersity 1.9 ddm LEDweak optio 1 Lgh colour White Required components: F15859_HEKLA-SOCKET-G			
SAMSUNG LED LC020C FWHM / FWTM 49.0 + 22.0° / 75.0 + 52.0° Efficiency 90 % Peak intensity 1.9 cd/m LEDs/each optic 1 Light colour White Required components: F15648_HEKLA-SOCKET-G FUND / FWTM 47.0 + 23.0° / 74.0 + 55.0° Efficiency 88 % Peak intensity 1.9 cd/m LED LC020C G2 FWHM / FWTM 47.0 + 23.0° / 74.0 + 55.0° Efficiency 88 % Peak intensity 1.9 cd/m LED LC020C G2 FWHM / FWTM 47.0 + 23.0° / 74.0 + 55.0° Efficiency 88 % Peak intensity 1.9 cd/m LED/sect optic 1 Light colour White Required components: F15858_HEKLA-SOCKET-1 F16205_HEKLA-SOCKET-C #			
LED LC020C FWHM/FWTM 49.0 + 22.0° / 75.0 + 52.0° Efficiency 90 % Peak intensity 1.9 cd/m LEDs/each optic 1 Lght colour White Required components: F15848_HEKLA-SOCKET-G SAMS UNC LED LC020C G2 FWHM/FWTM 47.0 + 23.0° / 74.0 + 55.0° Efficiency 88 % Peak intensity 1.9 cd/m LEDs/seach optic 1 Lght colour White Required components: F15858_HEKLA-SOCKET-G			300 1000
LED LC020C FWHM/FWTM 49.0 + 22.0° / 75.0 + 52.0° Efficiency 90 % Peak intensity 1.9 cd/m LEDs/ach optic 1 Lght colour White Reguired components: F15858_HEKLA-SOCKET-G SAMOSUNC LED LC020C G2 FWHM/FWTM 47.0 + 23.0° / 74.0 + 55.0° Efficiency 88 % Peak intensity 1.9 cd/m LEDs/ach optic 1 Lght colour White Reguired components: F15859_HEKLA-SOCKET-G	<u>evwe</u>		15 ⁵ 0 ⁴ 15 ⁵
FWHM / FWTM 49.0 + 22.0° / 75.0 + 52.0° Efficiency 90% Peak intensity 1.9 cd/m LEDs/each optic 1 Light colour White Required components: F15858_HERLA-SOCKET-G			
Efficiency 90 % Peak intensity 1.9 dd/m LEDs/each optic 1 Light colour White Required components: F15858_HEKLA-SOCKET-G SAMSSUNG LED $(2020 G2$ FWHM / FWTM 47.0 + 23.0° / 74.0 + 55.0° Efficiency 88 % Peak intensity 1.9 dd/m LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-G TRIDONIC LED $(2020 G2$ FWHM / FWTM 46.0 + 24.0° / 74.0 + 55.0° Efficiency 88 % Peak intensity 1.8 dd/m LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-G			
Peak intensity 1.9 cd/in LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G			
LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G	-		
Light colour White Required components: F15848_HEKLA-SOCKET-G SAMASUNG LED LO2020 G2 FWHM / FVTM 47.0 + 23.0° / 74.0 + 55.0° Efficiency 88% Peak intensity 1.9 cd/m LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I Efficiency 88% Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	-		
Required components: F15848_HEKLA-SOCKET-G SAMSUNG LED LO20C G2 FWHM / FWTM 47.0 + 23.0° / 74.0 + 55.0° Efficiency 88 % Peak intensity 1.0 d/m LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-C Efficiency 88 % Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C			
F15848_HEKLA-SOCKET-G			
$\begin{array}{c} \label{eq:starses} \\ \textbf{SAMSUNG} \\ \mbox{LED} & \mbox{LO20C G2} \\ \mbox{FWHM } FWTM & 47.0 + 23.0^{\circ} / 74.0 + 55.0^{\circ} \\ \mbox{Efficiency} & 88 ^{\circ} \\ \mbox{Peak intensity} & 1.9 \mbox{cd/m} \\ \mbox{LEDs/each optic} & 1 \\ \mbox{Lgtoodure White} \\ \mbox{Required components:} \\ \mbox{F15859_HEKLA-SOCKET-I} \end{array} \\ \hline \\$			
LED LC020C G2 FWHM / FWTM 47.0 + 23.0° / 74.0 + 55.0° Efficiency 88 % Peak intensity 1.9 cd/lm LEDs/ach optic 1 Light colour White Required components: F15859_HEKLA-SUCKET-C	1 13040_HEREA		
LED LC020C G2 FWHM / FWTM 47.0 + 23.0° / 74.0 + 55.0° Efficiency 88 % Peak intensity 1.9 cd/lm LEDs/ach optic 1 Light colour White Required components: F15859_HEKLA-SUCKET-C			30' 200
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 components: F15859_HEKLA-SOCKET-1 FTRIDONICC LED Efficiency 88 % Peak intensity 1.8 cd/lm LED SLE G7 LES09 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components:	SЛМSI	UNG	50° 0° 15°
Efficiency 88 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SUCKET-1	LED	LC020C G2	
Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G7 LES09 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	FWHM / FWTM	47.0 + 23.0° / 74.0 + 55.0°	
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G7 LES09 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	Efficiency	88 %	
Light colour White Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G7 LES09 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	Peak intensity	1.9 cd/lm	
Required components: F15859_HEKLA-SOCKET-I TRIDONIC LED SLE G7 LES09 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	-		
F15859_HEKLA-SOCKET-I			
TRIDONIC LED SLE G7 LES09 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C			
LED SLE G7 LES09 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	F15859_HEKLA	A-SOCKET-I	500
LED SLE G7 LES09 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C			
LED SLE G7 LES09 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C			30' 25' 3020 15'
LED SLE G7 LES09 FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: 10 F15255_HEKLA-SOCKET-C 10	TRIDON	NIC	99
FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0° Efficiency 88 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: 50 F15255_HEKLA-SOCKET-C 60			
Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C			70
Peak intensity 1.8 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	Efficiency	88 %	
LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C		1.8 cd/lm	
Required components: F15255_HEKLA-SOCKET-C		1	
Required components: F15255_HEKLA-SOCKET-C	Light colour	White	
		ents:	
	F15255_HEKLA	A-SOCKET-C	
30			34



TRIDO	VIC	90 ⁴ 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	SLE G7 LES13 52.0 + 35.0° / 85.0 + 81.0° 84 % 1.1 cd/lm 1 White ents:	
TRIDO	NIC .	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKL/	SLE G7 LES15 55.0 + 39.0° / 94.0 + 90.0° 83 % 1 cd/lm 1 White ents:	
XICATO)	90° 92
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKL/	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	XOB 9.8 mm 48.0 + 24.0° / 76.0 + 89.0° 89 %	200
Peak intensity LEDs/each optic Light colour	89 % 1.8 cd/lm 1 White	199

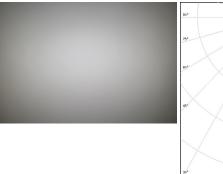


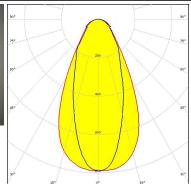
XICATO

LED

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

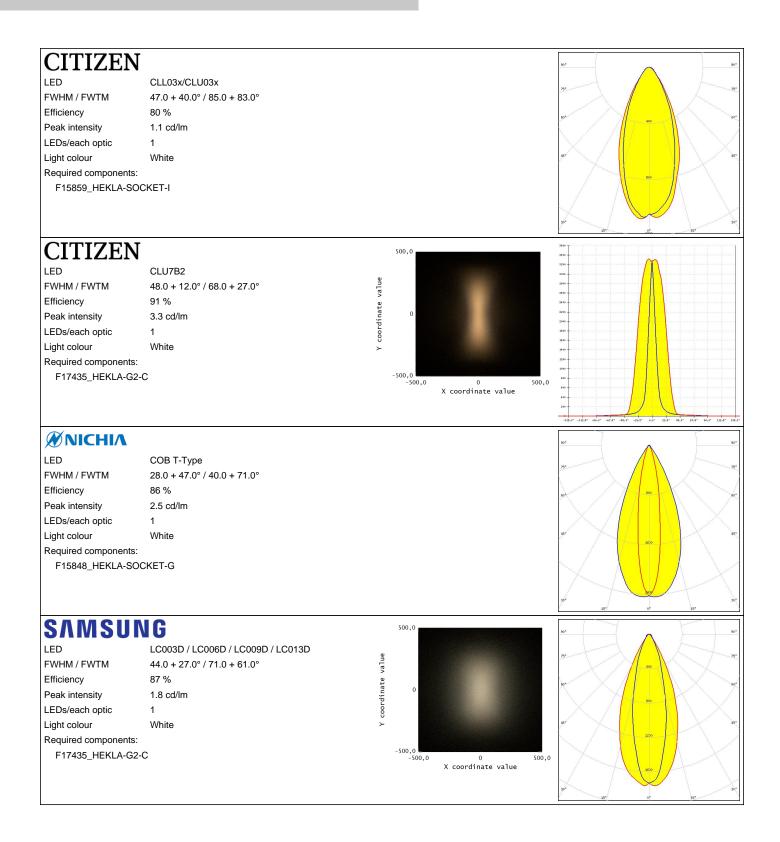
XTM - 19mm LES 57.0 + 40.0° / 111.0 + 107.0° 82 % 0.8 cd/lm White C16058_XTM-ADAPTER-50-C





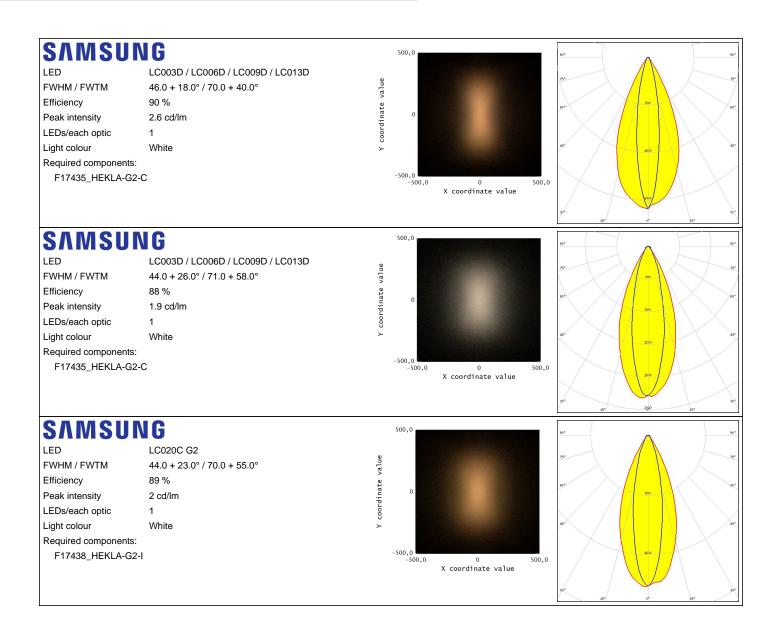


PHOTOMETRIC DATA (SIMULATED):





PHOTOMETRIC DATA (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.

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