

PRODUCT DATASHEET FN15971_RONDA-WAS-C

RONDA-WAS-C

Asymmetric beam for wall washing with holder C compatible with LEDiL HEKLA

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 53.9 mm
Height	24.7 mm
Fastening	socket
ROHS compliant	yes 🛈



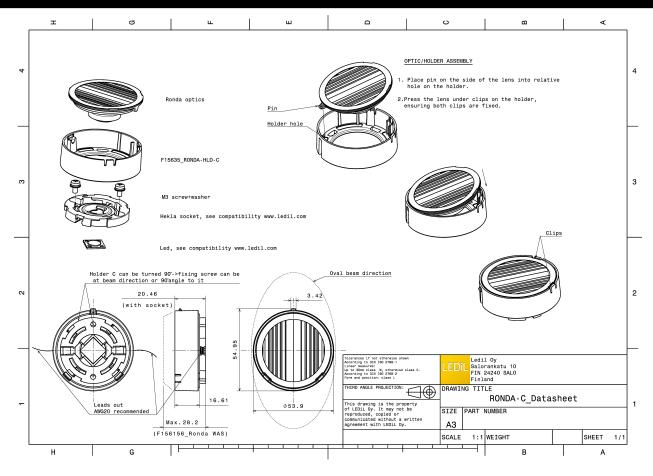
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
RONDA-WAS	Single lens	PMMA	clear	
RONDA-HLD-C	Holder	PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN15971_RONDA-WAS-C	Single lens	420	120	30	0.0
» Box size:					

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



bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15253_HEKLA:	21, 12, 16, 12, 21, 21, 21, 21, 21, 21, 21, 21, 21
bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15253_HEKLA	21. 21. 21. 20. 21. 21. 21. 21. 21. 21. 21. 21
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15255_HEKLA	2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2
bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15859_HEKLA	



-		
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15616_HEKLA-		20 20 20 20 20 20 20 20 20 20
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C16142_HEKLA: Bender Wirth: 49	SOCKET-K	61 61 61 700 61 700 81 70 81 81
bridgeluX. LED FWHM / FWTM	Vesta TW 13mm (25W) CSP Asymmetric	27 20 20 20 20 20 20 20 20 20 20 20 20 20
Efficiency Peak intensity LEDs/each optic Light colour Required componer C16142_HEKLA	SOCKET-K	63 67 67 68 67 67
Bender Wirth: 49		30 ⁴ 20 ⁵ 0 ⁴ 30 ⁴
LED FWHM / FWTM Efficiency Peak intensity	Vesta TW 6mm DP Asymmetric 86 % 1.3 cd/lm	
LEDs/each optic Light colour Required componer C16142_HEKLA- Bender Wirth: 50	SOCKET-K	



-		
bridgelux. LED	Vecto TW/ 0mm (12)4/) CSB	50°
	Vesta TW 9mm (12W) CSP	75°
FWHM / FWTM	Asymmetric	200
Efficiency	85 % 0.9 cd/lm	60* 60*
Peak intensity		
LEDs/each optic	1	
Light colour Required compone	White	
C16142_HEKLA		
		36*
CITIZE	N	90*
LED	CLC020 Series (Dim-To-Warm)	
FWHM / FWTM	Asymmetric	
Efficiency	86 %	60*
Peak intensity	1.1 cd/im	
LEDs/each optic	1	
Light colour	White	53° 53°
Required compone	nts:	
C16142_HEKLA	-SOCKET-K	000
		34.
OTTT	NT.	135 [°] 0 [°] 135 [°]
CITIZE	N	90* 90*
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	Asymmetric	200
Efficiency	89 %	601 60*
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	43° - 560
Required compone		
F15255_HEKLA	-SOCKET-C	
		500
		30* 10* 30*
CITIZE	N	
		×
FWHM / FWTM	CLL03x/CLU03x Asymmetric	75°
	Asymmetric 83 %	
Efficiency Peak intensity	os 70 0.6 cd/lm	601 601
LEDs/each optic	0.6 cd/im 1	
LEDS/each oplic	ı White	45"
Required compone		400
F15859_HEKLA		
I IJOJJ_HEKLA		
1		
		36* <u>800</u> 36*



CITIZEN LED CLU700/701/702 FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 1.3 cd/lm	90°
LED CLU700/701/702 FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 1.3 cd/lm	
FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 1.3 cd/lm	
Efficiency 90 % Peak intensity 1.3 cd/lm	
Peak intensity 1.3 cd/lm	$\Delta \sim 1$
LEDs/each optic 1	
Light colour White	45"
Required components:	
F15255_HEKLA-SOCKET-C	
1200	$-\sqrt{2}$
34 ⁶	12°. 3¢.
CITIZEN	
	90*
LED CLU710/711	
FWHM / FWTM Asymmetric	
Efficiency 87 %	60*
Peak intensity 1 cd/lm	
LEDs/each optic 1	
Light colour White	e5*
Required components:	X
F15956_HEKLA-SOCKET-J	
20*	30*
	15
CITIZEN	90*
LED CLU7A2 (LES 4.2mm)	
FWHM / FWTM Asymmetric	V 7"
Efficiency 91 %	
Peak intensity 1.5 cd/lm	
66*	
Peak intensity 1.5 cd/lm	45'
Peak intensity 1.5 cd/lm LEDs/each optic 1	65'
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White	
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************	
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************	
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	32°
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C CITIZEN	
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C CITIZEN LED LCN-C01B (Tunable White)	
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C CITIZEN LED LCN-C01B (Tunable White) FWHM / FWTM Asymmetric	
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C CITIZEN LED LCN-C01B (Tunable White) FWHM / FWTM Asymmetric Efficiency 87 %	
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C CITIZEN LED LCN-C01B (Tunable White) FWHM / FWTM Asymmetric Efficiency 87 % Peak intensity 1.1 cd/lm	6.
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C CITIZEN LED LCN-C01B (Tunable White) FWHM / FWTM Asymmetric Efficiency 87 % Peak intensity 1.1 cd/lm LEDs/each optic 1	
Peak intensity 1.5 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C CITIZEN LED LCN-C01B (Tunable White) FWHM / FWTM Asymmetric Efficiency 87 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White	6°
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C CITIZEN LED LCN-C01B (Tunable White) FWHM / FWTM Asymmetric Efficiency 87 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components:	
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C CITIZEN LED LCN-C01B (Tunable White) FWHM / FWTM Asymmetric Efficiency 87 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K	22 25 25 25 25 25 25 25 25 25 25 25 25 2
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C CITIZEN LED LCN-C01B (Tunable White) FWHM / FWTM Asymmetric Efficiency 87 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components:	



		90* 90*
LED	CMA1516	
FWHM / FWTM	Asymmetric	75°
Efficiency	92 %	
Peak intensity	1 cd/lm	60°
LEDs/each optic	1	
Light colour	White	
Required compone		
F15256_HEKLA		000
_		
		30* 15* 0* 15* 3¢*
		90*
LED	CMA1825	
FWHM / FWTM	Asymmetric	73.
Efficiency	90 %	200
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	400
Required compone	nts:	
F15254_HEKLA	-SOCKET-B	60
		36* 357 86 55°
		90 ⁴ 90 ⁴
	CMT14xx	90° 90°
		37
LED	CMT14xx	90° 90° 72° 72°
LED FWHM / FWTM	CMT14xx Asymmetric	60 ⁴ 60 ⁴
LED FWHM / FWTM Efficiency	CMT14xx Asymmetric 91 %	695 595 255 257 507 507 507 507
LED FWHM / FWTM Efficiency Peak intensity	CMT14xx Asymmetric 91 % 1 cd/lm	61 61 61 62 72 72 72 72 72 72 72 72 72 72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CMT14xx Asymmetric 91 % 1 cd/lm 1 White	100 100 100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C	by bit bit bit
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C CMT19xx Asymmetric 85 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C CMT19xx Asymmetric 85 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C CMT19xx Asymmetric 85 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C CMT19xx Asymmetric 85 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CMT14xx Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-C CMT19xx Asymmetric 85 % 0.6 cd/lm 1 White nts:	



	D		90° 90°
LED	CXA/B 13xx		
FWHM / FWTM	Asymmetric		73'
Efficiency	91 %	And in case of the second s	
Peak intensity	1.3 cd/lm		60° 60°
LEDs/each optic	1		
Light colour	White		934 az.
Required compone			
F15956_HEKLA			
			30° 1220 30°
			<u>as° o</u> <u>is°</u>
	D		90* 90*
LED	CXA/B 15xx		25*
FWHM / FWTM	Asymmetric		
Efficiency	91 %		60°
Peak intensity	1 cd/lm		
LEDs/each optic	1		
Light colour	White		at at
Required compone			
F15256_HEKLA	A-SOCKET-D		000
			30*
	D		
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850		90°
	CAA/B 1010 & CAA/B 1020 & CAA 1030		
	Asymmetric		73°
FWHM / FWTM	Asymmetric		77 77
FWHM / FWTM Efficiency	87 %		57 ⁴
FWHM / FWTM Efficiency Peak intensity	87 % 0.7 cd/lm		500 500
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	87 % 0.7 cd/lm 1		200 60 ³ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	87 % 0.7 cd/lm 1 White		85 65 66 65 20 65
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	87 [°] % 0.7 cd/lm 1 White ents:		97
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	87 [°] % 0.7 cd/lm 1 White ents:		271 674 674 680 680 680 680
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	87 [°] % 0.7 cd/lm 1 White ents:		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	87 % 0.7 cd/lm 1 White ents: N-SOCKET-B		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	87 % 0.7 cd/lm 1 White ents: N-SOCKET-B		by by by by by by by by by by
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	87 % 0.7 cd/lm 1 White ents: N-SOCKET-B		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	87 % 0.7 cd/lm 1 White ents: A-SOCKET-B		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	87 % 0.7 cd/lm 1 White ents: -SOCKET-B LUXEON CX Plus CoB L08 (Gen2)		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	87 % 0.7 cd/lm 1 White ents: -SOCKET-B LUXEON CX Plus CoB L08 (Gen2) Asymmetric		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	87 % 0.7 cd/lm 1 White ents: -SOCKET-B LUXEON CX Plus CoB L08 (Gen2) Asymmetric 86 %		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	87 % 0.7 cd/lm 1 White ents: A-SOCKET-B LUXEON CX Plus CoB L08 (Gen2) Asymmetric 86 % 0.6 cd/lm		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	87 % 0.7 cd/lm 1 White ents: A-SOCKET-B LUXEON CX Plus CoB L08 (Gen2) Asymmetric 86 % 0.6 cd/lm 1 White		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	87 % 0.7 cd/lm 1 White ents: ASOCKET-B LUXEON CX Plus CoB L08 (Gen2) Asymmetric 86 % 0.6 cd/lm 1 White ents:		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA COMPARENTIAL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	87 % 0.7 cd/lm 1 White ents: ASOCKET-B LUXEON CX Plus CoB L08 (Gen2) Asymmetric 86 % 0.6 cd/lm 1 White ents:		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	87 % 0.7 cd/lm 1 White ents: ASOCKET-B LUXEON CX Plus CoB L08 (Gen2) Asymmetric 86 % 0.6 cd/lm 1 White ents:		



ED FWHM / FWTM	LUXEON CoB 1202HD Asymmetric	
Efficiency	92 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	5°* 00 *
Required compone		
F15848_HEKLA	-SUCKET-G	200 - 20 200 - 20 200 - 20
UMIL	EDS	95,7
LED	LUXEON CoB 1202s	
FWHM / FWTM	Asymmetric	
Efficiency	91 %	ign and
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	29° 800
Required compone F15848_HEKLA		
T 13040_HEREA	-000KE1-0	34 120 3
		15° 0° 15°
	EDS	25 [°] 0 [°] 25 [°]
	EDS LUXEON CoB 1204HD	
LED	LUXEON CoB 1204HD Asymmetric	
LED FWHM / FWTM Efficiency	LUXEON CoB 1204HD Asymmetric 91 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1	
LEDs/each optic Light colour	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1 White nts: -SOCKET-H	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1 White nts: -SOCKET-H	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD Asymmetric 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD Asymmetric 90 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD Asymmetric 90 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD Asymmetric 90 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	LUXEON CoB 1204HD Asymmetric 91 % 1.1 cd/lm 1 White nts: -SOCKET-H EDS LUXEON CoB 1205HD Asymmetric 90 % 0.9 cd/lm 1 White nts:	



M LUMIL	EDS	90+ 90-
LED	LUXEON CX Plus CoB - HD S01H4	(1)
FWHM / FWTM	Asymmetric	780
Efficiency	91 %	400
Peak intensity	1.4 cd/lm	60°
LEDs/each optic	1	
Light colour	White	45* 800 45*
Required componer	nts:	
Bender Wirth: 63		
		1200
		30°
		15° 0° 15°
UMIL	EDS	90* 90*
LED	LUXEON CX Plus CoB - HD S01H6 / HD S02H6	$\left(\begin{array}{c} 1 \\ 1 \end{array} \right)$
FWHM / FWTM	Asymmetric	787
Efficiency	91 %	400
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 800 45*
Required componer	nts:	
Bender Wirth: 63	4c Hekla	
		1200
		30"
		15° 0° 15°
🥙 LUMIL	EDS	90* 90*
	EDS LUXEON CX Plus CoB - HD S04H9	50°
		R*
LED	LUXEON CX Plus CoB - HD S04H9	
LED FWHM / FWTM	LUXEON CX Plus CoB - HD S04H9 Asymmetric	61 61 21 21 21 21 21 21 21 21 21 21 21 21 21
LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 %	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts:	gr gr gr gr gr gr gr gr gr gr gr gr gr g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts:	9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla	5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) Asymmetric 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) Asymmetric 90 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) Asymmetric 90 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) Asymmetric 90 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) Asymmetric 90 % 0.8 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) Asymmetric 90 % 0.8 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 Asymmetric 91 % 1.1 cd/lm 1 White hts: 4c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) Asymmetric 90 % 0.8 cd/lm 1 White hts:	



UMIL	EDS EDS	90* 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6		27 27 47 47 47 47 47 47 47 47 47 4
	EDS	50t
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6		27 17 17 17 17 17 17 17 17 17 1
C LUM	INUS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 4	CDM-14 (Dim-To-Warm) Asymmetric 80 % 0.6 cd/lm 1 White ents: N-SOCKET-K 91 Typ L8	
ELUM	INUS	90° · · · · · · · · · · · · · · · · · · ·
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 4	CDM-6 (Dim-To-Warm) Asymmetric 82 % 1.2 cd/lm 1 White ents: SOCKET-K	



E LUM	INUS	59*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 45	CDM-9 (Dim-To-Warm) Asymmetric 85 % 0.9 cd/lm 1 White nts: -SOCKET-K	
	INUS	90° 90°
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 F15255_HEKLA	CXM-4 Asymmetric 90 % 1.4 cd/lm 1 White nts: -SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CxM-9 (13.5x13.5) Asymmetric 89 % 1 cd/lm 1 White nts:	



ØNICHI		7
	NJCWL024Z-V1MT: COB L-Type Tunable White	50°
FWHM / FWTM	Asymmetric	
Efficiency	83 %	60°
Peak intensity	1.2 cd/im	400
LEDs/each optic	1	
Light colour	White	d2e
Required compone	nts:	840
C16142_HEKLA	-SOCKET-K	
Bender Wirth: 49	77 Typ L8	
		36° 35° 0° 35°
ØNICHI		90° - 90°
LED	NVCWJ024Z-V1MT: COB J-Type Tunable White	
FWHM / FWTM	Asymmetric	75*
Efficiency	86 %	605
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	434 437
Required compone	nts:	00
C16142_HEKLA	-SOCKET-K	
Bender Wirth: 49	98 Typ L8	
		30* 30* 30* 30*
PHILIP	S	50° 50°
LED	Fortimo SLM L09 CoB	
LED FWHM / FWTM	Fortimo SLM L09 CoB Asymmetric	75
		71
FWHM / FWTM	Asymmetric	61 72. 72.
FWHM / FWTM Efficiency	Asymmetric 91 %	60. 20.
FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 1 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 1 cd/lm 1 White nts:	27 67 00 00 00
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 91 % 1 cd/lm 1 White nts:	27
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 91 % 1 cd/lm 1 White nts:	27 27 27 29 20 20 20 20 20 20 20 20 20 20 20 20 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-H	25° 0° 12° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-H	37 37 94 90 90 60 90 60 90 60 90 60 90 60 90 60 90 90 90 <
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-H	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-H	20 20 20 20 20 20 20 20 20 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-H S Fortimo SLM L13 CoB Asymmetric 84 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA PHILLE ED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-H S Fortimo SLM L13 CoB Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 1 cd/lm 1 White nts: SOCKET-H SOCKET-H SOCKET-H SOCKET-H 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 1 cd/lm 1 White nts: SOCKET-H SOCKET-H Socket L13 CoB Asymmetric 84 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-H S Fortimo SLM L13 CoB Asymmetric 84 % 0.6 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-H S Fortimo SLM L13 CoB Asymmetric 84 % 0.6 cd/lm 1 White nts: -SOCKET-K	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 91 % 1 cd/lm 1 White nts: -SOCKET-H S Fortimo SLM L13 CoB Asymmetric 84 % 0.6 cd/lm 1 White nts: -SOCKET-K	



SAMSL	JNG	90* 9
LED	LC003D / LC006D / LC009D / LC013D	
FWHM / FWTM	Asymmetric	73°
Efficiency	90 %	
Peak intensity	1 cd/lm	667
LEDs/each optic	1	
Light colour	White	95-
Required compone		31, 12, 100 12, 2 660 660
<u> </u>	JNG	90° 9
LED	LC010C	
FWHM / FWTM	Asymmetric	75*
Efficiency	90 %	
Peak intensity	1.1 cd/lm	60 ³² 400
LEDs/each optic	1	
Light colour	White	- 5 -
Required compone	nts:	800
F15848_HEKLA	-SOCKET-G	
<u> </u> <u> </u> 	JNG	90 ⁴
LED	LC010C G2	$\langle \langle \rangle \rangle$
FWHM / FWTM	Asymmetric	73
Efficiency	88 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45*
Required compone F15255_HEKLA		2000
<u> </u> S M S I	JNG	90* 9
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	Asymmetric	$\Gamma \land \land \land \land$
Efficiency	83 %	603 60
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		400
F15859_HEKLA	-SOCKET-I	



S ΛΜS	ING	90* 90*
LED	LC020C	
FWHM / FWTM	Asymmetric	75.
Efficiency	90 %	
Peak intensity	u cd/lm	602 601
LEDs/each optic	1	
Light colour	' White	45*
Required compone		
F15848_HEKLA		
		30* 15* 0* 15* 36*
SAMSU	JNG	90* 90*
LED	LC020C G2	
FWHM / FWTM	Asymmetric	75*
Efficiency	89 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
F15859_HEKLA	-SOCKET-I	80
		30.
SEOUL		
SEOUL SEMICONDUCTOR		
		90* 90*
LED	MJT COB LES 6	25° - 25°
LED FWHM / FWTM	Asymmetric	<u>35.</u> <u>36.</u> <u>87.</u> <u>87.</u> <u>87.</u> <u>87.</u> <u>87.</u> <u>87.</u> <u>87.</u>
LED FWHM / FWTM Efficiency	Asymmetric 88 %	90 ⁵ 99 ⁷
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 88 % 1.2 cd/lm	90 ¹ 99 ² 72 ² 72 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 1.2 cd/lm 1	60 ⁵ 600 600
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1.2 cd/lm 1 White	60, 60 60, 60 33 54 55 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 88 % 1.2 cd/lm 1 White nts:	94 79 60 ¹ 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1.2 cd/lm 1 White nts:	9 ¹ 7 ² 9 ² 9 ² 9 ² 9 ³ 9 ³ 9 ³ 9 ³ 9 ³ 9 ³ 9 ³ 9 ³
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 88 % 1.2 cd/lm 1 White nts:	90 ¹ 90 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 88 % 1.2 cd/lm 1 White nts:	20- 20- 20- 20- 20- 20- 20- 20-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	Asymmetric 88 % 1.2 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	Asymmetric 88 % 1.2 cd/lm 1 White nts: -SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	Asymmetric 88 % 1.2 cd/lm 1 White nts: -SOCKET-C MJT COB LES 9.8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	Asymmetric 88 % 1.2 cd/lm 1 White nts: -SOCKET-C MJT COB LES 9.8 Asymmetric	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	Asymmetric 88 % 1.2 cd/lm 1 White nts: -SOCKET-C MJT COB LES 9.8 Asymmetric 88 %	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	Asymmetric 88 % 1.2 cd/lm 1 White nts: -SOCKET-C MJT COB LES 9.8 Asymmetric 88 % 0.9 cd/lm	90* 90 90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 1.2 cd/lm 1 White nts: -SOCKET-C MJT COB LES 9.8 Asymmetric 88 % 0.9 cd/lm 1	90* 90 90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1.2 cd/lm 1 White nts: -SOCKET-C MJT COB LES 9.8 Asymmetric 88 % 0.9 cd/lm 1 White	60 ⁴ 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA soous semiconoucrore LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 88 % 1.2 cd/lm 1 White nts: -SOCKET-C MJT COB LES 9.8 Asymmetric 88 % 0.9 cd/lm 1 White nts:	60 ⁴ 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	Asymmetric 88 % 1.2 cd/lm 1 White nts: -SOCKET-C MJT COB LES 9.8 Asymmetric 88 % 0.9 cd/lm 1 White nts:	60 ⁴ 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA SEOUS SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 88 % 1.2 cd/lm 1 White nts: -SOCKET-C MJT COB LES 9.8 Asymmetric 88 % 0.9 cd/lm 1 White nts:	60 ⁴ 90



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	SLE G7 LES09 Asymmetric 89 % 1 cd/lm 1 White ents:	
TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	SLE G7 LES13 Asymmetric 85 % 0.7 cd/lm 1 White ents:	
TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	SLE G7 LES15 Asymmetric 82 % 0.5 cd/lm 1 White ents:	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	XOB 14.5 mm Asymmetric 83 % 0.6 cd/lm 1 White ents:	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	XOB 9.8 mm Asymmetric 90 % 1 cd/lm 1 White ents:		60°
XICATO)	 	80. 30. 30. 40. 30. 50. 50. 50. 50. 50. 50. 50. 5
LED FWHM / FWTM Efficiency	XTM - 19mm LES Asymmetric 83 %		27 72
Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White		50
Required compone C16058_XTM-A	ents:		362 0° 12° X2



PHOTOMETRIC DATA (SIMULATED):

MUMILE	DS	50 ⁴ 50 ⁴
LED	LUXEON CoB L04/L05	75 75 75
FWHM / FWTM	Asymmetric	200
Efficiency	86 %	50* 50*
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	42°
Required components:		600
F15254_HEKLA-SO	CKET-B	
		30° 500 30° 30°
	DS	90° 90°
LED	LUXEON CoB L08	
FWHM / FWTM	Asymmetric	73.
Efficiency	78 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	ar ar
Required components:		400
C16142_HEKLA-SO	CKET-K	
Bender Wirth: 457 Ty		
		20* 000 207
	DS	30* 30*
LED	LUXEON CoB M02/M03	
FWHM / FWTM	Asymmetric	23.
Efficiency	89 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	47 ⁴
Required components:		800
Required components: F15256_HEKLA-SO	CKET-D	
	CKET-D	
	CKET-D	34 10 100 10 10
F15256_HEKLA-SO		34 ⁴ 15 ⁵ 15 ⁵ 15 ⁵
	DS	90 30 ⁴ 25 ⁵ 0 ⁶ 25 ⁵ 25 ⁴
F15256_HEKLA-SOO	DS LUXEON CoB S01	90 30 ⁴ 32 ⁵ 32 ⁵ 30 ⁴
F15256_HEKLA-SOO CONTINUE LED FWHM / FWTM	LUXEON CoB S01 Asymmetric	30 ⁺ 15 ⁰ 15 ⁰ 35 ⁺
F15256_HEKLA-SOO CONTINUED LED FWHM / FWTM Efficiency	LUXEON CoB S01 Asymmetric 90 %	34 ⁴ 10 ² 10 ² 10 ² 10 ²
F15256_HEKLA-SOO CONTINUED LED FWHM / FWTM Efficiency Peak intensity	LUXEON CoB S01 Asymmetric	30 ⁴ 120 ³ 20 ⁴
F15256_HEKLA-SOO ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CoB S01 Asymmetric 90 % 1.6 cd/lm 1	20 ⁴ 25 ⁵ 25 ⁶ 25 ⁶
F15256_HEKLA-SOO ED FWHM / FWTM Efficiency Peak intensity	LUXEON CoB S01 Asymmetric 90 % 1.6 cd/lm	
F15256_HEKLA-SOO ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CoB S01 Asymmetric 90 % 1.6 cd/lm 1 White	
F15256_HEKLA-SOO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB S01 Asymmetric 90 % 1.6 cd/lm 1 White	
F15256_HEKLA-SOO ED ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB S01 Asymmetric 90 % 1.6 cd/lm 1 White	



PHOTOMETRIC DATA (SIMULATED):

	US	90° 90°
LED	CxM-9 (13.5x13.5)	
FWHM / FWTM	Asymmetric	75* 75
Efficiency	81 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 600 45
Required components:		
F17435_HEKLA-G2	-C	
		30 ⁴ 10 ⁵ 10 ⁶ 30 ¹
Μ ΝΙCΗΙΛ		30°
LED	СОВ D-Туре	
FWHM / FWTM	Asymmetric	75*
Efficiency	84 %	
Peak intensity	0.6 cd/lm	. 60 ⁴
LEDs/each optic	1	
Light colour	White	45° 440 45
Required components:		
F17437_HEKLA-G2		
		30* 30
Μ ΝΙCΗΙΛ		
LED	COB L-Type (LES 11)	
FWHM / FWTM	Asymmetric	75°
Efficiency	88 %	200
Peak intensity	0.7 cd/lm	.66* 60
LEDs/each optic	1	
Light colour		
	White	
-		er o
Required components C16142_HEKLA-SC		427 421 400
Required components:	DCKET-K	
Required components: C16142_HEKLA-SC	DCKET-K	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T	DCKET-K	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T	DCKET-K Jyp L8	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T	OCKET-K jyp L8 COB T-Type	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T MICHIA LED FWHM / FWTM	DCKET-K jyp L8 COB T-Type Asymmetric	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T MICHIA LED FWHM / FWTM Efficiency	DCKET-K jyp L8 COB T-Type Asymmetric 83 %	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T CONCENTIAN LED FWHM / FWTM Efficiency Peak intensity	DCKET-K jyp L8 COB T-Type Asymmetric	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T CONCENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	DCKET-K iyp L8 COB T-Type Asymmetric 83 % 1.4 cd/lm 1	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T CONCENTIAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	DCKET-K Typ L8 COB T-Type Asymmetric 83 % 1.4 cd/lm 1 White	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T CONCENT ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	DCKET-K Typ L8 COB T-Type Asymmetric 83 % 1.4 cd/lm 1 White	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T CONCENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	DCKET-K Typ L8 COB T-Type Asymmetric 83 % 1.4 cd/lm 1 White	
Required components: C16142_HEKLA-SC Bender Wirth: 463 T CONCENT ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	DCKET-K Typ L8 COB T-Type Asymmetric 83 % 1.4 cd/lm 1 White	



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

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

MATERIALS:

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