

BARBARA-G2-W

~40° wide beam compatible with LEDiL HEKLA

SPECIFICATION:

Dimensions	Ø 70.0 mm
Height	41.9 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIALS:

Component BARBARA-G2-W **Type** Reflector

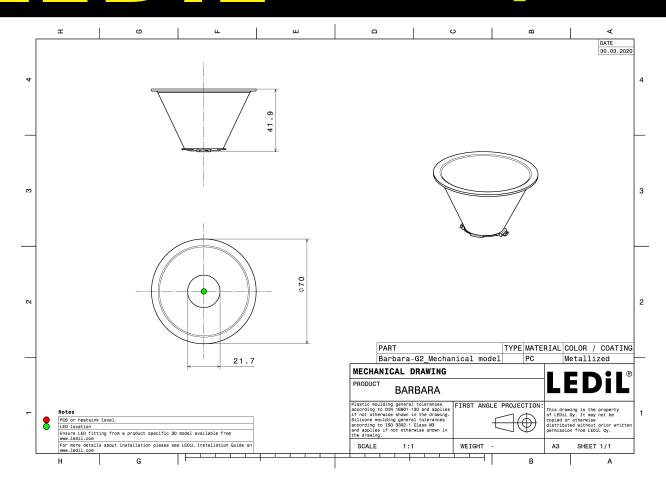
Material PC

Colour	Finish	Coating
metal		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16365_BARBARA-G2-W	252	90	18	4.8
» Box size: 480 x 280 x 300 mm				

PRODUCT DATASHEET F16365_BARBARA-G2-W



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



bridgelux.		and the second se	<u>89</u> *
LED	V4 HD Gen 7		75.
FWHM / FWTM	43.0° / 74.0°		400
Efficiency	91 %		60° 60°
Peak intensity	1.6 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone			1230
F15253_HEKLA	-SOCKET-A		
			30° 36° 36° 36°
bridgelux.			90* 90*
LED	V4 HD Gen 7		75*
FWHM / FWTM	42.0° / 74.0°		
Efficiency	86 %		50* 60*
Peak intensity	1.5 cd/lm		
LEDs/each optic	1		
Light colour	White		42.
Required compone			
F15253_HEKLA	-SOCKET-A		1230
C14658_BARBA	RA-RZ-LENS		
			30° <u>1600</u> 30°
bridgelux.		And in case of the local division of the loc	<u>90*</u>
LED	V6 HD Gen 7		73*
FWHM / FWTM	42.0° / 74.0°		400
Efficiency	86 %		60° 50°
Peak intensity	1.5 cd/lm		
LEDs/each optic	1		
Light colour	White		42°
Required compone			
F15255_HEKLA			
C14658_BARBA	RA-RZ-LENS		
			30° 1650 36° 15° 36°
bridgelux.		and the second se	80°
LED	V6 HD Gen 7		
FWHM / FWTM	42.0° / 74.0°		
Efficiency	91 %		60°
Peak intensity	1.6 cd/lm		
LEDs/each optic	1		
Light colour	White		43°
Required compone	nts:		
F15255_HEKLA	-SOCKET-C		
			1600
			30° 36°



bridgelux.			90*	90*
LED	V9 HD Gen7			
FWHM / FWTM	43.0° / 74.0°		75*	7.25
Efficiency	91 %		400	$X \times I$
Peak intensity	1.6 cd/lm		60°	N N.
LEDs/each optic	1			K
Light colour	White		45 ²	45*
Required component				
F15859_HEKLA			120	
			$\times \Lambda$	$\Lambda \times$
			163	
			30° 15° 0°	72, 30,
bridgelux.			90*	90*
LED	V9 HD Gen7		70	1 L var
FWHM / FWTM	41.0° / 74.0°			
Efficiency	85 %		60°	60"
Peak intensity	1.6 cd/lm			
LEDs/each optic	1			-h
Light colour	White		424	43*
Required compone	nts:			
F15859_HEKLA	-SOCKET-I		12%	
C14658_BARBA	RA-RZ-LENS		\times \wedge	
			30° 15° 0°	36.
bridgelux			90*	90*
bridgelux.		1000	90*	50*
LED	V9 HD Gen7		32. 20.	90°
LED FWHM / FWTM	42.0° / 73.0°		25 ⁻	90*
LED FWHM / FWTM Efficiency	42.0° / 73.0° 88 %		61. 20.	99 ⁵
LED FWHM / FWTM Efficiency Peak intensity	42.0° / 73.0° 88 % 1.6 cd/lm		94 72 64 90	0, 0, 3,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	42.0° / 73.0° 88 % 1.6 cd/lm 1		97 77 60 60 40 80 80 80	97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	42.0° / 73.0° 88 % 1.6 cd/lm 1 White		94 73 64 65 67 70 70 70	9. 9. 9.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts:		g. g. 33 94	97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts:		97 97 97 97 97 97 97 97 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 99 97 99 97 99 97 99 97 97 97 97 97	94 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts:		97 67 67 67 17 17 17 17 17 17 17 17 17 17	94 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts:		9° 9° 6° 6° 127 127 127	99"
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts:		97 97 97 97 97 97 97 97 97 97 97 97 97 9	94 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts:			100 100 100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts: -SOCKET-D		20 20 20 20 20 20 20 20 20 20	25 10 10 10 10 10 10 10 10 10 10 10 10 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA: bridgelux. LED	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts: -SOCKET-D			10 10 10 10 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA- bridgetux. LED FWHM / FWTM	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts: -SOCKET-D Vesta DTW 13mm (21W) 42.0° / 75.0°			97 72 72 72 72 72 72 72 72 72 72 72 72 72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA bridgelux, LED FWHM / FWTM Efficiency	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts: -SOCKET-D Vesta DTW 13mm (21W) 42.0° / 75.0° 80 %			97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA: bridgelux. LED FWHM / FWTM Efficiency Peak intensity	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts: -SOCKET-D Vesta DTW 13mm (21W) 42.0° / 75.0° 80 % 1.4 cd/lm			94 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA F15256_HEKLA bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts: -SOCKET-D Vesta DTW 13mm (21W) 42.0° / 75.0° 80 % 1.4 cd/lm 1 Tunable White			97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA F15256_HEKLA bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts: -SOCKET-D Vesta DTW 13mm (21W) 42.0° / 75.0° 80 % 1.4 cd/lm 1 Tunable White nts:		27 67 87 87 87 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA: bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts: -SOCKET-D Vesta DTW 13mm (21W) 42.0° / 75.0° 80 % 1.4 cd/lm 1 Tunable White nts: -SOCKET-K			97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15256_HEKLA: bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA	42.0° / 73.0° 88 % 1.6 cd/lm 1 White nts: -SOCKET-D Vesta DTW 13mm (21W) 42.0° / 75.0° 80 % 1.4 cd/lm 1 Tunable White nts: -SOCKET-K RA-RZ-LENS		20 61 57 50 50	100 100 100 100 100 100 100 100 100 100



bridgelux.				90°	90*
LED	Vesta DTW 13mm (21W)				
FWHM / FWTM	41.0° / 73.0°			75	
Efficiency	85 %			X/D	
Peak intensity	1.6 cd/lm			80°	
LEDs/each optic	1			$\sim \Lambda$	
Light colour	Tunable White			45°	47*
Required compone	nts:				
C16142_HEKLA				K / Λ	
Bender Wirth: 49	91 Typ L8				
				30°	600 09 15°
bridgelux.				90*	90*
LED	Vesta TW 6mm DP				
FWHM / FWTM	41.0° / 73.0°			75*	1
Efficiency	85 %			X/I	
Peak intensity	1.6 cd/lm		1100	60°	60*
LEDs/each optic	1			$\wedge / \mathcal{M}_{\sim}$	
Light colour	White			97°	45*
Required compone					
C16142_HEKLA					230
Bender Wirth: 50				\square	
	21				
				15°	0° 72°
bridgelux.				90*	90*
brídgeluX. LED	Vesta TW 6mm DP			90*	90*
	Vesta TW 6mm DP 41.0° / 73.0°		1	80° 78	90°
LED				90* 755 605	60
LED FWHM / FWTM	41.0° / 73.0°			60°	10 25 26
LED FWHM / FWTM Efficiency	41.0° / 73.0° 80 %			60. 22. 52.	00 90
LED FWHM / FWTM Efficiency Peak intensity	41.0° / 73.0° 80 % 1.5 cd/lm			6. 6. 25. 9.	100 200 800 600 600
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	41.0° / 73.0° 80 % 1.5 cd/lm 1 White	C		20 00 12 13	80
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts:			8°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS			80°	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS			50 50 50 50 50 50 50 50 50 50	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS			Bay Bay Bay Bay Bay	50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 50	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 50	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS 14 Typ L8				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 50	41.0° / 73.0° 80 % 1.5 cd/lm 1 White hts: -SOCKET-K RA-RZ-LENS 14 Typ L8 Vesta TW 9mm (12W) CSP				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 50 bridgeLUX LED FWHM / FWTM	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS 14 Typ L8 Vesta TW 9mm (12W) CSP 40.0° / 73.0°				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 50 bridgeLUX LED FWHM / FWTM Efficiency	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS 14 Typ L8 Vesta TW 9mm (12W) CSP 40.0° / 73.0° 82 %				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 50 bridgeLUX LED FWHM / FWTM Efficiency Peak intensity	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS 14 Typ L8 Vesta TW 9mm (12W) CSP 40.0° / 73.0° 82 % 1.5 cd/lm				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 50 bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS 14 Typ L8 Vesta TW 9mm (12W) CSP 40.0° / 73.0° 82 % 1.5 cd/lm 1 White			62. 69. 25.	50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 50 bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS 14 Typ L8 Vesta TW 9mm (12W) CSP 40.0° / 73.0° 82 % 1.5 cd/lm 1 White nts:			62. 69. 25.	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 50 bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS 14 Typ L8 Vesta TW 9mm (12W) CSP 40.0° / 73.0° 82 % 1.5 cd/lm 1 White nts: -SOCKET-K			62. 69. 25.	50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 50 bridgeLUX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	41.0° / 73.0° 80 % 1.5 cd/lm 1 White nts: -SOCKET-K RA-RZ-LENS 14 Typ L8 Vesta TW 9mm (12W) CSP 40.0° / 73.0° 82 % 1.5 cd/lm 1 White nts: -SOCKET-K			3% 62 62 62 62 62 62 62 62 62 62 62 62 62	50 50 50 50 50 50 50 50 50 50 50 50 50 5



OTTIT	'N T	
CITIZE	.IN	90*
LED	CLC030 Series (Dim-To-Warm)	77
FWHM / FWTM	42.0° / 73.0°	
Efficiency	84 %	5°
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone		
C16142_HEKLA		
Bender Wirth: 4	36 Typ L8	
		30 ¹⁶ 30 ¹⁶ 30 ¹⁶
CITIZE	-N	bo ⁴
LED	CLC030 Series (Dim-To-Warm)	
FWHM / FWTM	43.0° / 75.0°	
Efficiency	79 %	
Peak intensity	1.3 cd/lm	Ser Ser
LEDs/each optic	1	
Light colour	White	g* e*
Required compone		
C16142_HEKLA		
C14658_BARB		12/2
Bender Wirth: 4		
		30 ⁴ 25 ⁴ 0 ⁶ 15 ⁴
CITIZE	N	9)*
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	42.0° / 74.0°	
Efficiency	91 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	e, e,
Required compone	ents:	
F15255_HEKLA		
		30 ⁴ 30 ⁴
	יאד	252 40 V252
CITIZE	NTN	90° 90°
LED	CLL03x/CLU03x	75
FWHM / FWTM	41.0° / 74.0°	
Efficiency	88 %	Ege By
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone		
F15859_HEKLA	A-SOCKET-I	
		30 ⁴ 30 ⁴
		and do long



CITIZE	N	50° 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702/703 42.0° / 73.0° 89 % 1.6 cd/lm 1 White nts:	
CITIZE	N LCN-C02B (Tunable White) 41.0° / 73.0°	
Efficiency Peak intensity LEDs/each optic Light colour	80 % 1.5 cd/lm 1 Tunable White	
Required compone C16142_HEKLA C14658_BARBA Bender Wirth: 48	-SOCKET-K RA-RZ-LENS	200 34 ⁴ 19 180 13 ⁴ 30
		90°
LED FWHM / FWTM Efficiency	CMT14xx 42.0° / 74.0° 91 %	70
Peak intensity LEDs/each optic Light colour Required compone	1.7 cd/lm 1 White nts:	a
F15255_HEKLA		
CREE ≑		12 ¹ ¹² ¹² ¹²
LEDs LED FWHM / FWTM Efficiency Peak intensity	CMT19xx 41.0° / 74.0° 91 % 1.6 cd/lm	
LEDs/each optic Light colour Required compone	1 White nts:	8 ⁴
F15859_HEKLA	-SOCKET-I	20° 100 20° 20°



		50* 50*
LED	CXA/B 13xx	
FWHM / FWTM	42.0° / 74.0°	
Efficiency	92 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone	ints:	
F15956_HEKLA	-SOCKET-J	
		30° at 130 at 130°
		30" 20"
LED	CXA/B 15xx	
FWHM / FWTM	42.0° / 74.0°	75
Efficiency	92 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	q. di
Required compone	nts:	
F15256_HEKLA	-SOCKET-D	
		307
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
		73
I FWHM / FWTM	41 0° / 74 0°	
FWHM / FWTM Efficiency	41.0° / 74.0° 89 %	
Efficiency	89 %	10 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400
Efficiency Peak intensity	89 % 1.7 cd/lm	
Efficiency Peak intensity LEDs/each optic	89 %	51 50 50 50 50 50 50 50 50 50 50 50 50 50
Efficiency Peak intensity LEDs/each optic Light colour	89 % 1.7 cd/lm 1 White	9) ⁵ 80 ² 97 90 ⁰ 1220
Efficiency Peak intensity LEDs/each optic	89 % 1.7 cd/lm 1 White ints:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 1.7 cd/lm 1 White ints:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 1.7 cd/lm 1 White ints:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White Ints: -SOCKET-B	
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White Ints: -SOCKET-B	
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White I SOCKET-B LUXEON CX Plus CoB L08 (Gen2)	
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White mts: -SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 40.0° / 73.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White mts: -SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 40.0° / 73.0° 89 %	
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White I SOCKET-B UXEON CX Plus CoB L08 (Gen2) 40.0° / 73.0° 89 % 1.7 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White I SOCKET-B UXEON CX Plus CoB L08 (Gen2) 40.0° / 73.0° 89 % 1.7 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White I SOCKET-B UXEON CX Plus CoB L08 (Gen2) 40.0° / 73.0° 89 % 1.7 cd/lm 1 White	73°
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White I SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 40.0° / 73.0° 89 % 1.7 cd/lm 1 White I I White I I White I I I I I I I I I I I I I	73°
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White I SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 40.0° / 73.0° 89 % 1.7 cd/lm 1 White I I White I I White I I I I I I I I I I I I I	73°
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White I SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 40.0° / 73.0° 89 % 1.7 cd/lm 1 White I I White I I White I I I I I I I I I I I I I	73°
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	89 % 1.7 cd/lm 1 White I SOCKET-B EDS LUXEON CX Plus CoB L08 (Gen2) 40.0° / 73.0° 89 % 1.7 cd/lm 1 White I I White I I White I I I I I I I I I I I I I	



🥙 LUMIL	.EDS	90 ⁴
LED	LUXEON CX Plus CoB L08 (Gen2)	
FWHM / FWTM	42.0° / 74.0°	
Efficiency	82 %	er ¹
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
C14658_BARBA	ARA-RZ-LENS	120
Bender Wirth: 63	37a Hekla	
		30 20 186 20 31
	.EDS	
LED	LUXEON CoB 1202HD	
FWHM / FWTM	42.0° / 74.0°	
Efficiency	90 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gr dt
Required compone	ents:	
F15848_HEKLA	-SOCKET-G	
		30* 500 31*
	EDS	20° 6° 20°
LED	LUXEON CoB 1204HD	77
LED FWHM / FWTM	43.0° / 74.0°	77
LED FWHM / FWTM Efficiency	43.0° / 74.0° 91 %	5 ⁷ 60 62
LED FWHM / FWTM Efficiency Peak intensity	43.0° / 74.0° 91 % 1.6 cd/lm	57 57 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	43.0° / 74.0° 91 % 1.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 74.0° 91 % 1.6 cd/lm 1 White	27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: x-SOCKET-H	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: x-SOCKET-H	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: x-SOCKET-H	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: -SOCKET-H	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: -SOCKET-H LUXEON CoB 1205HD	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: -SOCKET-H LUXEON CoB 1205HD 41.0° / 74.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: A-SOCKET-H EDS LUXEON CoB 1205HD 41.0° / 74.0° 90 % 1.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: A-SOCKET-H LUXEON CoB 1205HD 41.0° / 74.0° 90 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: A-SOCKET-H LUXEON CoB 1205HD 41.0° / 74.0° 90 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: A-SOCKET-H LUXEON CoB 1205HD 41.0° / 74.0° 90 % 1.7 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: A-SOCKET-H LUXEON CoB 1205HD 41.0° / 74.0° 90 % 1.7 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	43.0° / 74.0° 91 % 1.6 cd/lm 1 White ents: A-SOCKET-H LUXEON CoB 1205HD 41.0° / 74.0° 90 % 1.7 cd/lm 1 White ents:	

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COMIL	EDS	90 ⁴ 90 ⁴
LED	LUXEON CoB 1208	
FWHM / FWTM	41.0° / 73.0°	72
Efficiency	87 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	a. a.
Required compone		
Bender Wirth: 63		
		30" 30"
🥙 LUMIL	EDS	50°
LED	LUXEON CX Plus CoB - HD S01H4	
FWHM / FWTM	42.0° / 73.0°	
Efficiency	90 %	69. 60.
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	er et
Required compone	nts:	1200
Bender Wirth: 63	4c Hekla	
		30.
		{ <u>355</u> <u>0</u> ¹ <u>355</u>
UMIL	EDS	50° 50°
LED	LUXEON CX Plus CoB - HD S01H4	75'
FWHM / FWTM	40.0° / 73.0°	
Efficiency	83 %	60 ⁴
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	e. e.
Required compone		
C14658_BARBA		
Bender Wirth: 63	4c Hekla	
		30" 300 15" 0" 15"
UMIL	EDS	99 ^k
LED	LUXEON CX Plus CoB - HD S02H6	
FWHM / FWTM	40.0° / 73.0°	151
Efficiency	84 %	
Peak intensity	1.6 cd/lm	60° × / × 60°
	1	
LEDs/each optic	1 White	90
LEDs/each optic Light colour	White	y
LEDs/each optic Light colour Required compone	White Ints:	gr
LEDs/each optic Light colour Required compone C14658_BARBA	White Ints: RA-RZ-LENS	99 97 122
LEDs/each optic Light colour Required compone	White Ints: RA-RZ-LENS	90 97 - 120 - 120



M LUMIL	EDS	95 ⁴ 90 ⁴
LED	LUXEON CX Plus CoB - HD S02H6	
FWHM / FWTM	42.0° / 73.0°	8'
Efficiency	90 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone		
Bender Wirth: 63		
		30°
		35 ⁵ 0 ⁴ 15 ¹
UMIL	EDS	90* 50*
LED	LUXEON CX Plus CoB - HD S04H9	
FWHM / FWTM	41.0° / 72.0°	
Efficiency	91 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone	nts:	
Bender Wirth: 63	34c Hekla	
		100
		20 ⁴
M LUMIL	EDS	90°
	EDS LUXEON CX Plus CoB - HD S04H9	<u>91,</u> 20,
		3°
LED	LUXEON CX Plus CoB - HD S04H9	
LED FWHM / FWTM	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0°	
LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 %	60 ² 60 ² 90 ⁴ 90
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: IRA-RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: IRA-RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: .RA-RZ-LENS 84c 3Hook	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: IRA-RZ-LENS 34c 3Hook	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: .RA-RZ-LENS 34c 3Hook EDS LUXEON CX Plus CoB L04 / L05 (Gen2)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: RA-RZ-LENS 84c 3Hook EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 40.0° / 72.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 63 CIUMIL LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: RA-RZ-LENS 84c 3Hook EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 40.0° / 72.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: RA-RZ-LENS 84c 3Hook EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 40.0° / 72.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 63 CLUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: RA-RZ-LENS B4c 3Hook EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 40.0° / 72.0° 89 % 1.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 63 CILONIE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: RA-RZ-LENS 34c 3Hook EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 40.0° / 72.0° 89 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 63 CLUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: RA-RZ-LENS 84c 3Hook EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 40.0° / 72.0° 89 % 1.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 63 CILONIE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: RA-RZ-LENS 84c 3Hook EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 40.0° / 72.0° 89 % 1.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14658_BARBA Bender Wirth: 63 CLUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB - HD S04H9 40.0° / 72.0° 84 % 1.6 cd/lm 1 White nts: RA-RZ-LENS 84c 3Hook EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 40.0° / 72.0° 89 % 1.7 cd/lm 1 White nts:	



UMIL	EDS	50° 50°
LED	LUXEON CX Plus CoB L04 / L05 (Gen2)	
FWHM / FWTM	40.0° / 73.0°	21
Efficiency	83 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 45°
Required compone	nts:	
C14658_BARBA		
Bender Wirth: 63	7a Hekla	
		30° 30° 30°
	EDS	
LED	LUXEON CX Plus CoB M02 / M03 (Gen2)	
FWHM / FWTM	39.0° / 72.0°	75°
Efficiency	84 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	200_
Light colour	White	gr
Required compone	nts:	
C14658_BARBA	RA-RZ-LENS	
Bender Wirth: 64	1a Hekla	
		30° 30°
		155 00 155
	EDS	90* 90*
LED	LUXEON CX Plus CoB M02 / M03 (Gen2)	75*
FWHM / FWTM	41.0° / 73.0°	400
Efficiency	90 %	60° 60°
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	σ. <u>σ.</u>
Required compone		
Bender Wirth: 64	1a Hekla	
		1800
		30° 15° 0° 15° 86°
🥙 LUMIL	EDS	90 ⁺
LED	LUXEON CX Plus CoB S01 (Gen2)	75*
FWHM / FWTM	40.0° / 72.0°	400
Efficiency	84 %	60° 60°
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	43× 43*
Required compone	nts:	1200
C14658_BARBA	RA-RZ-LENS	
Bender Wirth: 63	4c Hekla	
		30° 30°
1		15° 0° 15°



🥙 LUMIL	EDS	30*
LED	LUXEON CX Plus CoB S01 (Gen2)	
FWHM / FWTM	42.0° / 73.0°	73
Efficiency	90 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	gr 57
Required compone		1200
Bender Wirth: 6		
		30°
		155 of 15°
🥙 LUMIL	EDS	50* 50*
LED	LUXEON Fusion 21-up (20x24)	
FWHM / FWTM	40.0° / 73.0°	
Efficiency	81 %	60 ⁵
Peak intensity	1.6 cd/lm	
LEDs/each optic	21	
Light colour	White	gr (gr
Required compone	nts:	
C16142_HEKLA	-SOCKET-K	
C14658_BARBA	RA-RZ-LENS	
Bender Wirth: 4-	12 Typ L8	30* 1855 35*
PHILIF		
		90"
	Fortimo SLM L09 CoB	75'
FWHM / FWTM Efficiency	42.0° / 74.0° 91 %	
Peak intensity	1.6 cd/lm	60*
LEDs/each optic	1	
Light colour	White	a
Required compone		
F15858_HEKLA		
		1600
		15 ⁵ 0 ⁶ 15 ⁵
PHILIF	PS and a second s	90 ⁴ 90 ⁴
LED		
1	Fortimo SLM L09 CoB	25*
FWHM / FWTM	Fortimo SLM L09 CoB 41.0° / 74.0°	75
Efficiency	41.0° / 74.0° 87 %	60. 20. 20.
Efficiency Peak intensity	41.0° / 74.0°	61. 21. 21. 21.
Efficiency Peak intensity LEDs/each optic	41.0° / 74.0° 87 % 1.6 cd/lm 1	90 77 70 77 77
Efficiency Peak intensity LEDs/each optic Light colour	41.0° / 74.0° 87 % 1.6 cd/lm 1 White	6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6
Efficiency Peak intensity LEDs/each optic Light colour Required compone	41.0° / 74.0° 87 % 1.6 cd/lm 1 White nts:	27 27 27 27
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	41.0° / 74.0° 87 % 1.6 cd/lm 1 White nts: -SOCKET-H	57 400 601 602 702 702
Efficiency Peak intensity LEDs/each optic Light colour Required compone	41.0° / 74.0° 87 % 1.6 cd/lm 1 White nts: -SOCKET-H	5. 15.9 6. 6. 15.9 6.
Efficiency Peak intensity LEDs/each optic Light colour Required compone F15858_HEKLA	41.0° / 74.0° 87 % 1.6 cd/lm 1 White nts: -SOCKET-H	



PHILI	DS	97 ⁴
LED	Fortimo SLM L13 CoB	
FWHM / FWTM	41.0° / 74.0°	77
Efficiency	83 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	at
Required compone		
C16142_HEKLA		
C14658_BARB		
Bender Wirth: 4	32 Typ L8	20° <u>10</u> 0 20°
PHILIP	DS	2°
LED	Fortimo SLM L13 CoB	
FWHM / FWTM	40.0° / 72.0°	
Efficiency	88 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	er de la companya de
Required compone	ents:	
C16142_HEKLA	A-SOCKET-K	
Bender Wirth: 4	32 Typ L8	
		20
		157 04 157
PHILIA	25	20*
	Fortimo SLM L15 CoB	Y00
		307
LED	Fortimo SLM L15 CoB	
LED FWHM / FWTM	Fortimo SLM L15 CoB 43.0° / 75.0°	61 10 10
LED FWHM / FWTM Efficiency	Fortimo SLM L15 CoB 43.0° / 75.0° 82 %	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/Im 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARB/	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARB/ Bender Wirth: 4	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARB/ Bender Wirth: 4	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 32 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARB/ Bender Wirth: 4	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 32 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARB/ Bender Wirth: 4	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 32 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARB/ Bender Wirth: 4	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 32 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA C14658_BARB/ Bender Wirth: 4 C14658_BARB/ Bender Wirth: 4 ED FWHM / FWTM Efficiency	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 32 Typ L8 S Fortimo SLM L15 CoB 42.0° / 73.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 4 C14658_BARB/ Bender Wirth: 4 EFMHM / FWTM Efficiency Peak intensity	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 32 Typ L8 S Fortimo SLM L15 CoB 42.0° / 73.0° 88 % 1.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 4 PHILLIE FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 32 Typ L8 Fortimo SLM L15 CoB 42.0° / 73.0° 88 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 4 PHILLOP FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 32 Typ L8 Fortimo SLM L15 CoB 42.0° / 73.0° 88 % 1.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ C14658_BARB/ Bender Wirth: 4 PHILLO FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 32 Typ L8 Fortimo SLM L15 CoB 42.0° / 73.0° 88 % 1.6 cd/lm 1 White ents: A-SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL4 C14658_BARB/ Bender Wirth: 4 PHILLIE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL4	Fortimo SLM L15 CoB 43.0° / 75.0° 82 % 1.4 cd/lm 1 White ents: A-SOCKET-K ARA-RZ-LENS 32 Typ L8 Fortimo SLM L15 CoB 42.0° / 73.0° 88 % 1.6 cd/lm 1 White ents: A-SOCKET-K	



SAMSI	ING	90° 99
LED	LC003D / LC006D / LC009D / LC013D	
FWHM / FWTM	41.0° / 74.0°	
Efficiency	89 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone	ents:	
F15255_HEKLA	-SOCKET-C	
		20 ¹⁰
SЛМSI	ING	12° v 12°
LED	LC003D / LC006D / LC009D / LC013D	
ED FWHM / FWTM	41.0° / 74.0°	70
Efficiency	89 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone		
F15255_HEKLA		
		1000
		36
SAMSI	ING	90" 90" 90" 90"
SAMSI		90° 90 90° 90
LED	LC010C G2	20 ¹ 20 ¹ 20 ² 20 ²
LED FWHM / FWTM	LC010C G2 42.0° / 73.0°	20 ⁴ 12 ⁷ 29 20 ⁴ 20 20 ⁴ 20
LED FWHM / FWTM Efficiency	LC010C G2 42.0° / 73.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC010C G2 42.0° / 73.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White ents: -SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White ents: -SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White ents: -SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA SAMSI LED FWHM / FWTM	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White ents: -SOCKET-C JNG LC020T (Tunable white) 41.0° / 74.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA SAMSU LED FWHM / FWTM Efficiency	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White ents: -SOCKET-C JNG LC020T (Tunable white) 41.0° / 74.0° 80 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA SAMSS LED FWHM / FWTM Efficiency Peak intensity	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White ents: -SOCKET-C JNG LC020T (Tunable white) 41.0° / 74.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White onts: -SOCKET-C JNC LC020T (Tunable white) 41.0° / 74.0° 80 % 1.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White onts: -SOCKET-C JNG LC020T (Tunable white) 41.0° / 74.0° 80 % 1.4 cd/lm 1 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White white SOCKET-C UNC LC020T (Tunable white) 41.0° / 74.0° 80 % 1.4 cd/lm 1 Tunable White white white	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LC010C G2 42.0° / 73.0° 89 % 1.6 cd/lm 1 White ents: -SOCKET-C JNC LC020T (Tunable white) 41.0° / 74.0° 80 % 1.4 cd/lm 1 Tunable White ents: -SOCKET-K	



ED LC021T (Turable while) FWHM / FWTM 39.07 / 72.0° FRichery 85 % Pask itensity 1.7 cd/m LED/wach pite 1 .jqht colour Turable While Required components: CT1412_FELKASOCKET K Bender Whith: 501 Typ L8 TERDONIC ED SLE G7 LES09 FWHM / FWTM 41.07 / 73.0° Efficiency 87 % Pask itensity 1.6 cd/m LED/wach pite 1 .jqht colour While Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-R2-LENS TERDONICE ED SLE G7 LES09 FWHM / FWTM 41.07 / 73.0° Efficiency 87 % Pask itensity 1.7 cd/m LED/soch optic 1 .jqht colour While Required components: F15255_HEKLA-SOCKET-C TERDONICE ED SLE G7 LES09 FWHM / FWTM 41.07 / 73.0° Efficiency 82 % Pask itensity 1.7 cd/m LED/soch optic 1 .ED/soch optic 1 .ED/sock 0ptic 1	<u> </u>	JNG	5 ¹
NWHM / FWTM 39.0° / 72.0° Filiciency 86 % Peek intensity 1.7 cd/m EE0vaced optic 1 july colour Vinite Staguide Components: F15255_HEKLA-SOCKET-C EE0 SLE G7 LES09 WMM / FWTM 41.0° / 73.0° Filiciency 87 % Peak intensity 1.6 cd/m EE0vaced optic 1 july colour Vinite Required components: F15255_HEKLA-SOCKET-C EE0 SLE G7 LES13 WMM / FWTM 41.0° / 73.0° Filiciency 82 % Peak intensity 1.7 cd/m Efficiency 82 % Peak intensity 1.5 cd/m Light colour White Required components: F15255_HEKLA-SOCKET-C F15255_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G F1525_HEKLA-SOCKET-G	LED		
Paek Intensity 1.7 cd/m ED9/aedv pdfc 1 ED9/aedv pdfc 1 Strind2_HEKASOCKET.X Bender Wirht: S01 Typ L8 TCHOQ.EXE ED SLE G7 LES09 WHM / FWTM 1.0 / 73.0 ° Efficiency 87 % Peak Intensity 1.6 cd/m ED9/aedv pdfc 1 Light colour White Required components: F15255_HEKLASOCKET.C C14668_BARRAR.RZ.LENS TCROONCE LED SLE G7 LES09 WHM / FWTM 10 / 73.0 ° Efficiency 92 % Peak Intensity 1.7 cd/m ED9/aedv pdfc 1 LED9/aedv	FWHM / FWTM		
EDS/each optic 1 Light colour Tunable While Required components: C15142, HEKLASOCKET-K Bender With: Sol Typ LB TENDONIC LED SLE G7 LESO9 WMM / FVTM 41.9/ / 73.0' Hickney 97 % Peak Intensity 1.6 cd/m LBO/each optic 1 Light colour While Required components: F15255, HEKLASOCKET-C C14658, BARBARA-RZ-LENS TENDONICE LED SLE G7 LESO9 WMM / FVTM 41.0' / 73.0' Hickney 92 % Peak Intensity 1.7 cd/m LED/each optic 1 Light colour While Required components: F15255, HEKLASOCKET-C C14658, BARBARA-RZ-LENS TENDONICE LED SLE G7 LESO9 WMM / FVTM 41.0' / 73.0' Hickney 92 % Peak Intensity 1.7 cd/m LED/each optic 1 Light colour While Required components: F15255, HEKLASOCKET-C FIEDONICE LED SLE G7 LESO3 WMM / FVTM 41.0' / 73.0' Hickney 92 % Peak Intensity 1.5 cd/m LED/each optic 1 	Efficiency	85 %	
Jajit colour Tunable White Regulard components: F15255_HEKLA-SOCKET-C ED SLE G7 LES09 WHM / FVTM H1 0° /73.0° Efficiency 87 % Pack intensity 15 colim ED24each optic 1 Light colour White Regulard components: F15255_HEKLA-SOCKET-C TEIDONICE LED SLE G7 LES09 WHM / FVTM 11.0° /73.0° Efficiency 82 % Pack intensity 1.7 colim ED34each optic 1 LED4 Components: F15255_HEKLA-SOCKET-C TEIDONICE LED SLE G7 LES09 WHM / FVTM 11.0° /73.0° Efficiency 82 % Pack intensity 1.7 colim ED34each optic 1 LED4 Components: F15255_HEKLA-SOCKET-C F15255_HEKLA-SOCKET-C	Peak intensity	1.7 cd/lm	
Required components: C16142_HEKLA-SOCKET-K Bender With: 501 Typ LB TRIDONIC LED SLE G7 LES09 WMM / FVTM 11.0° / 73.0° Efficiency 97 % Pack Intensity 16 colim LEDwisech optic 1 Edwisech optic 1 Edwisech optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C C14658_BARBAR-RZ-LENS TRIDONIC LED SLE G7 LES09 FWH/ FWTM 41.0° / 73.0° Efficiency 92 % Pack Intensity 1.7 colim LEDwisech optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G7 LES09 FMTM / FVTM 41.0° / 73.0° Efficiency 92 % Pack Intensity 1.7 colim LEDwisech optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	LEDs/each optic	1	
Chira 2, HEKLA-SOCKET-K Bender Wirkt: 501 Typ LB	Light colour	Tunable White	g.
Bender Wirht: 50 Typ L8	Required compone	nts:	
LED SLE G7 LES09 WHM /FVTM 410'773.0° Efficiency 87% Pack Intensity 1.6 cd/m EDS/each optic 1 Ight colour While Required components: F15255_HEKLA-SOCKET-C C14588_BARBARA-R2-LENS Image: Color of the col	C16142_HEKLA	-SOCKET-K	
LED SLE G7 LES09 WHM / FVTM 41.0° / 73.0° Filciency 97% Peak intensity 1.5 cd/m LEDs/each optic 1 	Bender Wirth: 50	01 Typ L8	150
LED SLE G7 LES09 WHM / FVTM 41.0° / 73.0° Filciency 97% Peak intensity 1.5 cd/m LEDs/each optic 1 			20 20 00 20 20
LED SLE G7 LES09 WHM / FVTM 41.0° / 73.0° Filciency 97% Peak intensity 1.5 cd/m LEDs/each optic 1 	TRIDON	lic	5) ⁴
FWHM / FWTM 41.0° / 73.0° Efficiency 87 % Pask intensity 1.6 cd/m EDS/seach optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C C 14658_BARBARA-RZ-LENS 0 TRIDEONICE 0 LED SLE G7 LES09 FWHM / FWTM 41.0° / 73.0° Biolency 92 % Pask intensity 1.7 cd/m EDS/seach optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C F15255_HEKLA-SOCKET-C 0 Pask intensity 1.7 cd/m EDS/seach optic 1 Light colour White Required components: 1 F15255_HEKLA-SOCKET-C 0 Pask intensity 1.5 cd/m EDS/seach optic 1 Light colour White Required components: 1 Pask intensity 1.5 cd/m EDS/seach optic 1 Light colour White Required components:	LED		
Peak intensity 1.6 cd/m EDS/each optic 1 .ight colour White Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS TRIDEONICE .ED SLE G7 LES09 EWHM / FVTTM 11.0° / 73.0° Efficiency 92% Peak intensity 1.7 cd/m .EDS/each optic 1 .ight colour White Required components: F15255_HEKLA-SOCKET-C TRIDEONICE .ED SLE G7 LES13 TVHM / FVTTM 11.0° / 74.0° Efficiency 82% Peak intensity 1.5 cd/m .EDS/each optic 1 .ight colour White Required components: F15255_HEKLA-SOCKET-I	FWHM / FWTM		
LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS TRIDONICE LED SLE G7 LES09 WHM / FWTM 41.0° / 73.0° Efficiency 92% Pack Intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONICE LED SLE G7 LES13 WHM 41.0° / 74.0° Efficiency 82% Pack Intensity 1.5 cd/m LEDs/each optic 1 Light colour 41.0° / 74.0° Efficiency 82% Pack Intensity 1.5 cd/m LEDs/each optic 1 Light colour 41.0° / 74.0° Efficiency 82% Pack Intensity 1.5 cd/m LEDs/each optic 1 Light colour 41.0° / 74.0° Efficiency 82% Pack Intensity 1.5 cd/m LEDs/each optic 1 Light colour White Required components: F15259_HEKLA-SOCKET-I	Efficiency	87 %	
ight colour White Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ_LENS TRIDONIC LED SLE G7 LES09 WHM / FWTM 41.0° / 73.0° Efficiency 92 % Peak intensity 1.7 cd/m LEDs/each optic 1 light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G7 LES13 WHM / FWTM 41.0° / 74.0° Efficiency 92 % Peak intensity 1.5 cd/m LEDs/each optic 1 light colour White Required components: F15255_HEKLA-SOCKET-I	Peak intensity	1.6 cd/lm	
Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS TRIDONIC LED SLE G7 LES09 WHM / FWTM 41.0° / 73.0° Efficiency 92% Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G7 LES13 WHM / FWTM 41.0° / 74.0° Efficiency 92% Peak intensity 1.5 cd/m LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-1	LEDs/each optic	1	
Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS TRIDONIC LED SLE G7 LES09 WHM / FWTM 41.0° / 73.0° Efficiency 92% Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G7 LES13 WHM / FWTM 41.0° / 74.0° Efficiency 92% Peak intensity 1.5 cd/m LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-1	Light colour	White	
C14658_BARBARA-RZ-LENS		nts:	
TRIDONIC LED SLE G7 LES09 WHM / FWTM 41.0° / 73.0° Efficiency 92 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G7 LES13 WHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/m LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I	F15255_HEKLA	-SOCKET-C	
LED SLE G7 LES09 FWHM / FWTM 41.0° / 73.0° Efficiency 92 % Peak intensity 1.7 cd/m LEDs/each optic 1 .ight colour White Required components: F15255_HEKLA-SOCKET-C FTRIDEONIC LED SLE G7 LES13 FWHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/m LEDs/each optic 1 .ight colour White Required components: F15859_HEKLA-SOCKET-I	C14658_BARBA	RA-RZ-LENS	
LED SLE G7 LES09 FWHM / FWTM 41.0° / 73.0° Efficiency 92 % Peak intensity 1.7 cd/m LEDs/each optic 1 .ight colour White Required components: F15255_HEKLA-SOCKET-C FTRIDEONIC LED SLE G7 LES13 FWHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/m LEDs/each optic 1 .ight colour White Required components: F15859_HEKLA-SOCKET-I			30-
LED SLE G7 LES09 FWHM / FWTM 41.0° / 73.0° Efficiency 92 % Peak intensity 1.7 cd/m LEDs/each optic 1 .ight colour White Required components: F15255_HEKLA-SOCKET-C FTRIDEONIC LED SLE G7 LES13 FWHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/m LEDs/each optic 1 .ight colour White Required components: F15859_HEKLA-SOCKET-I			
EWHM / FWTM 41.0° / 73.0° Efficiency 92 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G7 LES13 FWHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I			
Efficiency 92 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONICC LED SLE G7 LES13 FWHM / FWTM 41.0° /74.0° Efficiency 82 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I			
Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G7 LES13 WHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/m LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I			
LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	-		
Light colour White Required components: F15255_HEKLA-SOCKET-I TRIDONIC LED SLE G7 LES13 FVHM / FVTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I	-		
Required components: F15255_HEKLA-SOCKET-C			
F15255_HEKLA-SOCKET-C			
TRIDONIC ED SLE G7 LES13 WHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-1			
LED SLE G7 LES13 FWHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I	F15255_HERLA	-30CKET-C	
LED SLE G7 LES13 FWHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I			- 309
LED SLE G7 LES13 FWHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I			39°
FWHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: 50 F15859_HEKLA-SOCKET-I 10	TRIDON	IIC	994
FWHM / FWTM 41.0° / 74.0° Efficiency 82 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I	LED		
Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I	FWHM / FWTM		
LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I	Efficiency		
Light colour White Required components: F15859_HEKLA-SOCKET-I	Peak intensity	1.5 cd/lm	
Required components: F15859_HEKLA-SOCKET-I	LEDs/each optic		
F15859_HEKLA-SOCKET-I		White	
	Light colour		
C14658_BARBARA-RZ-LENS	Required compone	nts:	
	Required compone F15859_HEKLA	nts: -SOCKET-I	1200
	Required compone F15859_HEKLA	nts: -SOCKET-I	329



TRIDON		90°
LED	SLE G7 LES13	75
FWHM / FWTM	40.0° / 73.0°	
Efficiency	88 %	69°
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
F15859_HEKLA	SOCKET-I	
		1600
TRIDON	IIC	90°
LED	SLE G7 LES15	
FWHM / FWTM	41.0° / 74.0°	25
Efficiency	88 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gr gr
Required compone		
F15859_HEKLA		
		100
		25° 0° 35°
XICATO		50°
LED	XOB 14.5 mm	
FWHM / FWTM	41.0° / 74.0°	72
Efficiency	89 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	an ar
Required compone	nts:	
F15859_HEKLA	SOCKET-I	
		307 300
XICATO		15° 0° 15° 90° 90°
XICATO		30° 15° 0° 15'
LED	XOB 6 mm	<u> </u>
LED FWHM / FWTM	XOB 6 mm 42.0° / 74.0°	
LED FWHM / FWTM Efficiency	XOB 6 mm 42.0° / 74.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity	XOB 6 mm 42.0° / 74.0° 88 % 1.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XOB 6 mm 42.0° / 74.0° 88 % 1.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XOB 6 mm 42.0° / 74.0° 88 % 1.6 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XOB 6 mm 42.0° / 74.0° 88 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XOB 6 mm 42.0° / 74.0° 88 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XOB 6 mm 42.0° / 74.0° 88 % 1.6 cd/lm 1 White	



XICATO)	54
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/	XOB 6 mm 41.0° / 74.0° 83 % 1.5 cd/lm 1 White ents: SOCKET-C	
XICATO	ר	35 ⁵ 0 ³ 15 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	XOB 9.8 mm 42.0° / 74.0° 89 % 1.6 cd/lm 1 White ents: K-SOCKET-C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA C14658_BARB/	XOB 9.8 mm 41.0° / 74.0° 84 % 1.5 cd/lm 1 White ents: SOCKET-C	



OPTICAL RESULTS (SIMULATED):

bridgelux.		90 ⁴
LED	V13 Gen 8	
FWHM / FWTM	40.0° / 74.0°	75°
Efficiency	89 %	
Peak intensity	1.7 cd/lm	60° 60°
LEDs/each optic	1	24
Light colour	White	9° (5°
Required components		
F17438_HEKLA-G		
_		
		1679
		15° 0° 15° 30
bridgelux.		90° 90°
LED	Vesta DTW 15mm (33W)	
FWHM / FWTM	40.0° / 72.0°	75*
Efficiency	88 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	€°
Required components	:	1220
C16142_HEKLA-S	OCKET-K	
Bender Wirth: 491	Typ L8	acar
		30° 30°
		159 08 359
- 1		
MICHIΛ		50* 50*
	COB L-Type (LES 11)	85
	COB L-Type (LES 11) 42.0° / 75.0°	34. 25. 26.
LED		60° 25. 26. 26. 26.
LED FWHM / FWTM	42.0° / 75.0°	60. 50. 50. 50. 50.
LED FWHM / FWTM Efficiency	42.0° / 75.0° 90 %	90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity	42.0° / 75.0° 90 % 1.6 cd/lm	90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	42.0° / 75.0° 90 % 1.6 cd/lm 1 White	22, 60, 52, 60, 56, 56, 56, 56, 56, 56, 56, 56
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	42.0° / 75.0° 90 % 1.6 cd/lm 1 White	91 ⁴ 91 ⁴ 91 ⁴ 91 ⁴ 91 ⁴ 91 ⁴ 91 ⁴ 91 ⁴ 91 ⁴ 91 ⁴ 91 ⁴ 91 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	42.0° / 75.0° 90 % 1.6 cd/lm 1 White	27 50 24 50 25 60 25 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	42.0° / 75.0° 90 % 1.6 cd/lm 1 White	ar ar ar ar ar ar ar ar ar ar
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15858_HEKLA-So	42.0° / 75.0° 90 % 1.6 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15858_HEKLA-So	42.0° / 75.0° 90 % 1.6 cd/lm 1 White 5: DCKET-H	ar ar ar ar ar ar ar ar ar ar
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15858_HEKLA-So	42.0° / 75.0° 90 % 1.6 cd/lm 1 White :: DCKET-H COB L-Type (LES 9)	ar ar ar ar ar ar ar ar ar ar
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15858_HEKLA-SC	42.0° / 75.0° 90 % 1.6 cd/lm 1 White :: DCKET-H COB L-Type (LES 9) 43.0° / 74.0°	60° 60° 20° 20° 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 components F15858_HEKLA-SC	42.0° / 75.0° 90 % 1.6 cd/lm 1 White :: DCKET-H COB L-Type (LES 9) 43.0° / 74.0° 90 %	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15858_HEKLA-SC ENTERNAL EFD FWHM / FWTM Efficiency Peak intensity	42.0° / 75.0° 90 % 1.6 cd/lm 1 White :: DCKET-H COB L-Type (LES 9) 43.0° / 74.0° 90 % 1.6 cd/lm	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15858_HEKLA-St F15858_HEKLA-St Efficiency Peak intensity LEDs/each optic	42.0° / 75.0° 90 % 1.6 cd/lm 1 White :: DCKET-H COB L-Type (LES 9) 43.0° / 74.0° 90 % 1.6 cd/lm 1	60° 60° 20° 20° 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 components F15858_HEKLA-St Efficiency Peak intensity LEDs/each optic Light colour	42.0° / 75.0° 90 % 1.6 cd/lm 1 White COB L-Type (LES 9) 43.0° / 74.0° 90 % 1.6 cd/lm 1 White	60° 60° 20° 20° 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 components F15858_HEKLA-SC VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	42.0° / 75.0° 90 % 1.6 cd/lm 1 White S: DCKET-H COB L-Type (LES 9) 43.0° / 74.0° 90 % 1.6 cd/lm 1 White S:	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15858_HEKLA-St Efficiency Peak intensity LEDs/each optic Light colour	42.0° / 75.0° 90 % 1.6 cd/lm 1 White S: DCKET-H COB L-Type (LES 9) 43.0° / 74.0° 90 % 1.6 cd/lm 1 White S:	60° 60° 6° 50° 6° 50° 5° 50° 5° 50° 5° 50° 5° 50° 5° 5° 5° 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15858_HEKLA-SC VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	42.0° / 75.0° 90 % 1.6 cd/lm 1 White S: DCKET-H COB L-Type (LES 9) 43.0° / 74.0° 90 % 1.6 cd/lm 1 White S:	60° 60° 6° 50° 6° 50° 5° 50° 5° 50° 5° 50° 5° 50° 5° 5° 5° 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components F15858_HEKLA-SC VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	42.0° / 75.0° 90 % 1.6 cd/lm 1 White S: DCKET-H COB L-Type (LES 9) 43.0° / 74.0° 90 % 1.6 cd/lm 1 White S:	60° 60° 6° 50° 6° 50° 5° 50° 5° 50° 5° 50° 5° 50° 5° 5° 5° 5°



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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LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

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

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