

MIRELLA-G2-M

~25° wide beam. Compatible with LEDiL HEKLA.

TECHNICAL SPECIFICATIONS:

Dimensions Ø 49.9 mm Height Fastening

ROHS compliant

22.6 mm socket

yes 🛈

MATERIAL SPECIFICATIONS:

Component MIRELLA-G2-M Туре Reflector

Material PC



Colour metal

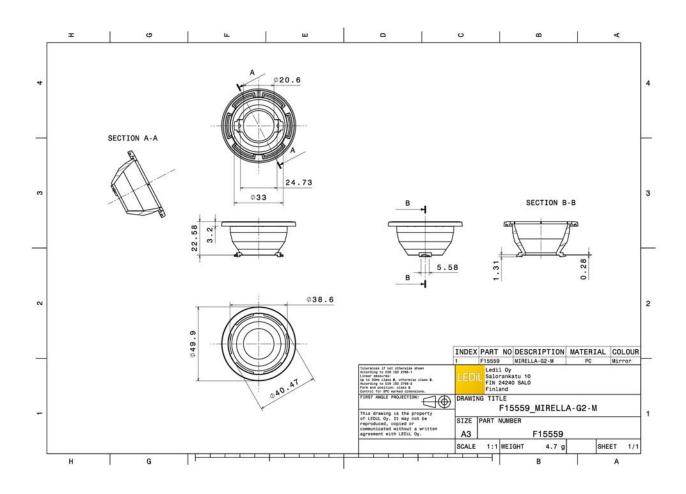
Coating

PRODUCT DATASHEET

F15559_MIRELLA-G2-M

ORDERING INFORMATION:

Component F15559_MIRELLA-G2-M » Box size: 480 x 280 x 300 mm Qty in box MOQ MPQ Box weight (kg) 336 3.2 28



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PHOTOMETRIC DATA (MEASURED):

bridgetux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15253_HEKL C13723_MIRE	White ents: A-SOCKET-A	
bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15253_HEKL	White ents:	
bridgetux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL C13723_MIRE	White ents: A-SOCKET-C	
bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	White ents:	

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bridgetux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C13723_MIRE	White ients: A-SOCKET-I	5° 6° 6° 100 100 100 100 100 100 100 10
bridgetux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	White ents:	27. 100 100 100 100 100 100 100 10
bridgetux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15616_HEKL	White ents:	30* 30* 64* 50 64* 60* 72* 60* 73* 72* 74* 72* 75* 72* 76* 100 77* 72* 78* 72* 79* 72* 700 72* 700 72* 700 72* 700 72* 700 72*
bridgetux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: 4	White ients: A-SOCKET-K LLA-RZL	



bridgelux. LED	Vesta TW 13mm (25W) CSP	2°
FWHM	43.0°	
Efficiency	77 %	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compor	nents:	
C16142_HEKL		~ ~ ~
C13723_MIRE		
Bender Wirth: 4	492 Typ L8	30 - 130 - 100 - 300 -
bridgelux		*
LED	Vesta TW 9mm (12W) CSP	
FWHM	33.0°	
Efficiency	74 %	400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 000 43°
Required compor	nents:	
C16142_HEKL		
C13723_MIRE	LLA-RZL	
Bender Wirth: 4	489 Typ L8	
bridgelux		30°
bridgelux. LED	Vesta TW 9mm (12W) CSP	9797
	Vesta TW 9mm (12W) CSP 25.0°	94°
LED		97 - 97 79 - 79 80 - 60
LED FWHM	25.0°	99 ⁴ 79 60 ² 800
LED FWHM Efficiency	25.0° 84 % 2.6 cd/lm	97 97 75 61 ⁴ 60 ⁴
LED FWHM Efficiency Peak intensity	25.0° 84 % 2.6 cd/lm	97 97 75 60 ⁴ 60 ⁴ 67 100 67
LED FWHM Efficiency Peak intensity LEDs/each optic	25.0° 84 % 2.6 cd/lm 1 White	97 97 97 97 97 160 160 160
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	25.0° 84 % 2.6 cd/lm 1 White hents: A-SOCKET-K	9°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	25.0° 84 % 2.6 cd/lm 1 White hents: A-SOCKET-K	9° 9° 9° 80. 9° 100 9°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	25.0° 84 % 2.6 cd/lm 1 White hents: A-SOCKET-K	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	25.0° 84 % 2.6 cd/lm 1 White nents: A-SOCKET-K 490 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	25.0° 84 % 2.6 cd/lm 1 White nents: A-SOCKET-K 490 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	25.0° 84 % 2.6 cd/lm 1 White hents: A-SOCKET-K 490 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	25.0° 84 % 2.6 cd/lm 1 White hents: A-SOCKET-K 490 Typ L8 N CLC020 Series (Dim-To-Warm)	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 CITTIZEZ	25.0° 84 % 2.6 cd/lm 1 White nents: A-SOCKET-K 490 Typ L8 N CLC020 Series (Dim-To-Warm) 36.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 CITTIZE LED FWHM Efficiency	25.0° 84 % 2.6 cd/lm 1 White nents: A-SOCKET-K 490 Typ L8 N CLC020 Series (Dim-To-Warm) 36.0° 74 % 1.3 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 CITTIZE LED FWHM Efficiency Peak intensity	25.0° 84 % 2.6 cd/lm 1 White nents: A-SOCKET-K 490 Typ L8 N CLC020 Series (Dim-To-Warm) 36.0° 74 % 1.3 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic	25.0° 84 % 2.6 cd/lm 1 White hents: A-SOCKET-K 490 Typ L8 N CLC020 Series (Dim-To-Warm) 36.0° 74 % 1.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	25.0° 84 % 2.6 cd/lm 1 White hents: A-SOCKET-K 490 Typ L8 N CLC020 Series (Dim-To-Warm) 36.0° 74 % 1.3 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	25.0° 84 % 2.6 cd/lm 1 White hents: A-SOCKET-K 490 Typ L8 N CLC020 Series (Dim-To-Warm) 36.0° 74 % 1.3 cd/lm 1 White hents: A-SOCKET-K	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	25.0° 84 % 2.6 cd/lm 1 White hents: A-SOCKET-K 490 Typ L8 N CLC020 Series (Dim-To-Warm) 36.0° 74 % 1.3 cd/lm 1 White hents: A-SOCKET-K LLA-RZL	

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PHOTOMETRIC DATA (MEASURED):

CITIZE	N	30* 30*
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL	CLC020 Series (Dim-To-Warm) 28.0° 80 % 2 cd/lm 1 White ents:	90 10 10 10 10 10 10 10 10 10 10 10 10 10
CITTIZEI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15255_HEKL/	CLU025/CLU027 (LES 6) 20.0° 87 % 3.4 cd/lm 1 White ents:	92° 92° 93° 96° 960 960 960 960 960 960 960 960 960
CITIZEI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15255_HEKL/	CLU025/CLU027 (LES 6) 21.0° 86 % 3.5 cd/lm 1 White ents:	100 100 100 100 100 100 100 100 100 100
CITUZED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15255_HEKL/	CLU700/701/702 19.0° 90 % 4 cd/lm 1 White ents:	

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CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15255_HEKL	CLU700/701/702 19.0° 90 % 4 cd/lm 1 White nents:	200
CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compose F15859_HEKL	CLU710/711 26.0° 85 % 2.3 cd/lm 1 White nents:	
CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLU7A2 (LES 4.2mm) 16.0° 87 % 4.2 cd/lm 1 White hents:	
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth:	LCN-C01B (Tunable White) 35.0° 75 % 1.5 cd/lm 1 White hents: A-SOCKET-K LLA-RZL	



OTTICT	T		
CITIZE	N	»·	90*
LED	LCN-C01B (Tunable White)	77	
FWHM	35.0°		Λ
Efficiency	75 %	607	1 Xee
Peak intensity	1.4 cd/lm	$\times / /$	$\setminus X$
LEDs/each optic			X X
Light colour	White	45°	er i
Required compor			
C16142_HEKL			
C13723_MIRE			
Bender Wirth: 4	181 Typ L8	34" 13" 0"	u
CREE \$		81*	30.8
LED	CMA1516		
FWHM	30.0°	77°	× 1
Efficiency	85 %		
Peak intensity	1.8 cd/lm		$X \setminus A$
LEDs/each optic		X_{1}	\land
Light colour	White	e' /	K e
Required compor	ients:	- 428	$ \land \land \land$
F15256_HEKL			
		1630	TV
		30'	34.
		157 2050	15.
CREE \$		30 ³	81*
	CMT14xx	30*	
		R	2 ¹
LED	CMT14xx	97 97 98	
LED FWHM	CMT14xx 31.0°	R*	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LED FWHM Efficiency Peak intensity LEDs/each optic	CMT14xx 31.0° 85 % 1.8 cd/lm	84 72 90 90	1 1 1 1 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White	a. 90 90	44 10 10 10
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White tents:	g. g. g. 129	8. 8. 8.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White tents:	9° 97 8° 8° 80 80 80 80 80 80	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White tents:	9° 97 97 97 109 109	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White tents:	90 97 97 90 90 90 90 90 90 90 90 90 90 90 90 90	12 12 12 12 12 12 12 12 12 12
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White hents: A-SOCKET-C	2° 00 00 00 00 00 00 00 00 00 00 00 00 00	87°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White hents: A-SOCKET-C	Re-	12 12 12 12 12 12 12 12 12 12
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White hents: A-SOCKET-C		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White tents: A-SOCKET-C CXA/B 13xx 19.0°		
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White the the the the the the the the the the		94 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White eents: A-SOCKET-C CXA/B 13xx 19.0° 91 % 4.1 cd/lm		100
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White nents: A-SOCKET-C CXA/B 13xx 19.0° 91 % 4.1 cd/lm 1		10 10 10 10 10 10 10 10 10 10 10 10 10 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White nents: A-SOCKET-C CXA/B 13xx 19.0° 91 % 4.1 cd/lm 1 White		10 10 10 10 10 10 10 10 10 10 10 10 10 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White tents: A-SOCKET-C CXA/B 13xx 19.0° 91 % 4.1 cd/lm 1 White tents:		10 10 10 10 10 10 10 10 10 10 10 10 10 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15956_HEKL	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White tents: A-SOCKET-C CXA/B 13xx 19.0° 91 % 4.1 cd/lm 1 White tents: A-SOCKET-J	8. 109 109 109 109 109 109 109 109	97 97 97 97 97 97 97 97 97 97 97 97 97 9
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CMT14xx 31.0° 85 % 1.8 cd/lm 1 White tents: A-SOCKET-C CXA/B 13xx 19.0° 91 % 4.1 cd/lm 1 White tents: A-SOCKET-J		10 10 10 10 10 10 10 10 10 10

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PHOTOMETRIC DATA (MEASURED):

CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15956_HEKL	CXA/B 13xx 20.0° 90 % 3.4 cd/lm 1 White eents:	97 97 97 97 97 97 97 97 97 97 97 97 97 9
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15256_HEKL	CXA/B 15xx 25.0° 91 % 2.9 cd/lm 1 White eents:	20 20 20 20 20 20 20 20 20 20
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15858_HEKL	LUXEON CoB 1202/1203 27.0° 89 % 2.5 cd/lm 1 White eents:	20 0 0 0 0 0 0 0 0 0 0 0 0 0
C12479_MIRE	LUXEON CoB 1202/1203 27.0° 89 % 2.5 cd/lm 1 White eents: A-SOCKET-H	Na. Na.

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ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15848_HEKL	LUXEON CoB 1202HD 23.0° 85 % 2.5 cd/lm 1 White ents:	94 97 97 97 97 97 97 97 97 97 97 97 97 97
CUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15858_HEKL	LUXEON CoB 1204HD 29.0° 85 % 1.9 cd/lm 1 White ents:	200 200 200 200 200 200 200 200
EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15858_HEKL	LUXEON CoB 1205HD 35.0° 83 % 1.5 cd/lm 1 White ents:	
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13723_MIREI Bender Wirth: 6	LUXEON CX Plus CoB - HD S01H4 31.0° 74 % 1.5 cd/lm 1 White ents: LA-RZL	201 102 102 102 102 102 102 102 102 102

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EUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: 6	LUXEON CX Plus CoB - HD S01H4 19.0° 81 % 3 cd/lm 1 White tents:	24 KK
Clumic ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13723_MIRE Bender Wirth: 6	LUXEON CX Plus CoB - HD S01H6 / HD S02H6 32.0° 74 % 1.5 cd/lm 1 White eents: LLA-RZL	
CUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: 6	LUXEON CX Plus CoB - HD S01H6 / HD S02H6 19.0° 81 % 2.9 cd/lm 1 White ients:	90 90 90 90 90 90 90 90 90 90 90 90 90 9
Classical Content of C	LUXEON CX Plus CoB - HD S04H9 37.0° 75 % 1.3 cd/lm 1 White lents: LLA-RZL	



PRODUCT DATASHEET

F15559_MIRELLA-G2-M

LUMIL	EDS		50°
LED	LUXEON CX Plus CoB - HD S04H9		
FWHM	28.0°		a. a. a.
Efficiency	82 %		
Peak intensity	1.9 cd/lm		50°
LEDs/each optic			
Light colour	White		er. 1220 er.
Required compor			
Bender Wirth: (100
Bender Wirth.			
			30° 2000 30° 30°
	NUS		31 ⁴ 31 ⁵
LED	CDM-6 (Dim-To-Warm)		
FWHM	28.0°		2:
Efficiency	75 %		
Peak intensity	1.7 cd/lm		40* 40*
LEDs/each optic		and the second se	
Light colour	White		a
Required compor			1290
C16142_HEKL			
C13723_MIRE			
Bender Wirth:			
			*
			12, 6, 12,
	NUS		342
			90°
	NUS CDM-6 (Dim-To-Warm) 20.0°		35 36 36 37 37 38 38 38
LED	CDM-6 (Dim-To-Warm)		100 100 100 100 100 100 100 100 100 100
LED FWHM	CDM-6 (Dim-To-Warm) 20.0°		615 10 10 10 10 10 10 10 10 10 10
LED FWHM Efficiency	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/Im		60° 90° 90° 90° 90° 90° 90° 90° 9
LED FWHM Efficiency Peak intensity	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/Im		61 ⁻¹ 100
LED FWHM Efficiency Peak intensity LEDs/each optic	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White		61 ² 100
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White nents:		64 ⁴
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White eents: A-SOCKET-K		64 ⁴
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White eents: A-SOCKET-K		64 ⁴
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White hents: A-SOCKET-K 490 Typ L8		64 ⁴
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White hents: A-SOCKET-K 490 Typ L8		64 ⁴
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White tents: A-SOCKET-K 490 Typ L8 NUS CDM-9 (Dim-To-Warm)		64 ⁴
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White eents: A-SOCKET-K 490 Typ L8 NUS CDM-9 (Dim-To-Warm) 32.0°		94° 94° 10° 10° 10° 10° 10° 10° 10° 10
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Ender Wirth: 4 LED FWHM Efficiency	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White tents: A-SOCKET-K 490 Typ L8 NUS CDM-9 (Dim-To-Warm) 32.0° 74 %		94° 94° 10° 10° 10° 10° 10° 10° 10° 10
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Ender Wirth: 4 LED FWHM Efficiency Peak intensity	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White tents: A-SOCKET-K 490 Typ L8 NUS CDM-9 (Dim-To-Warm) 32.0° 74 % 1.5 cd/lm		94° 94° 10° 10° 10° 10° 10° 10° 10° 10
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White tents: A-SOCKET-K 490 Typ L8 NUS CDM-9 (Dim-To-Warm) 32.0° 74 % 1.5 cd/lm 1		90 90 90 90 90 90 90 90 90 90 90 90 90 9
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White tents: A-SOCKET-K 490 Typ L8 NUS CDM-9 (Dim-To-Warm) 32.0° 74 % 1.5 cd/lm 1 White		50 50 50 50 50 50 50 50 50 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White nents: A-SOCKET-K 490 Typ L8 NUS CDM-9 (Dim-To-Warm) 32.0° 74 % 1.5 cd/lm 1 White nents:		50 50 50 50 50 50 50 50 50 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White tents: A-SOCKET-K 490 Typ L8 NUS CDM-9 (Dim-To-Warm) 32.0° 74 % 1.5 cd/lm 1 White tents: A-SOCKET-K		50 50 50 50 50 50 50 50 50 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White tents: A-SOCKET-K 490 Typ L8 NUS CDM-9 (Dim-To-Warm) 32.0° 74 % 1.5 cd/lm 1 White tents: A-SOCKET-K LLA-RZL		90 90 90 90 90 90 90 90 90 90 90 90 90 9
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CDM-6 (Dim-To-Warm) 20.0° 82 % 3.2 cd/lm 1 White tents: A-SOCKET-K 490 Typ L8 NUS CDM-9 (Dim-To-Warm) 32.0° 74 % 1.5 cd/lm 1 White tents: A-SOCKET-K LLA-RZL		90 90 90 90 90 90 90 90 90 90 90 90 90 9



ELUMI	NUS	20° 20°
LED	CDM-9 (Dim-To-Warm)	
FWHM	24.0°	77
Efficiency	81 %	600 (mr
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	57° 1600 67°
Required compor	ients:	
C16142_HEKL	A-SOCKET-K	
Bender Wirth: 4	190 Typ L8	
		20°
CLUMI	NUS	50° 50°
LED	CTM-9 (Tunable White)	
FWHM	34.0°	
Efficiency	72 %	
Peak intensity	1.3 cd/lm	50°
LEDs/each optic		
Light colour	White	er
Required compor	ients:	
C16142_HEKL		$\times \Lambda \wedge \times$
C13723_MIRE		1200
Bender Wirth: 4		34
-		15° 0° 15°
(C:LUMI	NUS	»·
LED	CTM-9 (Tunable White)	**************************************
LED FWHM		**************************************
LED FWHM Efficiency	CTM-9 (Tunable White) 25.0° 80 %	81 00 00 00 00 00 00 00 00 00 00 00 00 00
LED FWHM Efficiency Peak intensity	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm	87
LED FWHM Efficiency Peak intensity LEDs/each optic	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1	84
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White	97 97 97 97 97 97 97 97 97 97 97 97 97 9
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White tents:	9° 90 9° 90 90 90 90 90 90 90 90 90 90 90 90 900
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White tents: A-SOCKET-K	92
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White tents: A-SOCKET-K	8. 8. 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White tents: A-SOCKET-K	10° 10° 10° 10° 10° 10° 10° 10° 10° 10°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White vents: A-SOCKET-K 495 Typ L8	No. No. No.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White vents: A-SOCKET-K 495 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White hents: A-SOCKET-K 495 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White nents: A-SOCKET-K 495 Typ L8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White Pents: A-SOCKET-K 195 Typ L8 NUS CXM-4 29.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Ender Wirth: 4 LED FWHM Efficiency Peak intensity LEDs/each optic	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White eents: A-SOCKET-K 495 Typ L8 NUS CXM-4 29.0° 79 % 1.7 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Ender Wirth: 4 ED FWHM Efficiency Peak intensity	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White eents: A-SOCKET-K 495 Typ L8 NUS CXM-4 29.0° 79 % 1.7 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 Ender Wirth: 4 LED FWHM Efficiency Peak intensity LEDs/each optic	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White nents: A-SOCKET-K 495 Typ L8 NUS CXM-4 29.0° 79 % 1.7 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White tents: A-SOCKET-K 495 Typ L8 NUS CXM-4 29.0° 79 % 1.7 cd/lm 1 White tents: A-SOCKET-C	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White tents: A-SOCKET-K 495 Typ L8 NUS CXM-4 29.0° 79 % 1.7 cd/lm 1 White tents: A-SOCKET-C	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	CTM-9 (Tunable White) 25.0° 80 % 2.4 cd/lm 1 White tents: A-SOCKET-K 495 Typ L8 NUS CXM-4 29.0° 79 % 1.7 cd/lm 1 White tents: A-SOCKET-C	



ELUMI	NUS	20*
LED	CXM-4	
FWHM	16.0°	n:
Efficiency	87 %	60"
Peak intensity	4.4 cd/lm	
LEDs/each optic	1	
Light colour	White	e
Required compor	ients:	3200
F15255_HEKL	A-SOCKET-C	
		34° 57° 6855 57° X°
CLUMI	NUS	20 ⁴
LED	CxM-9 (13.5x13.5)	
FWHM	29.0°	n
Efficiency	87 %	
Peak intensity	2.1 cd/im	60° - 00 - 60°
LEDs/each optic		
Light colour	White	er er
Required compor		\times
F15255_HEKL		
		15° e* 15°
ØNICHIA		50°
	NJCWL024Z-V1MT: COB L-Type Tunable White	N'
		2 ¹
LED	NJCWL024Z-V1MT: COB L-Type Tunable White	97 77 60 60
LED FWHM Efficiency Peak intensity	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm	64°
LED FWHM Efficiency Peak intensity LEDs/each optic	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1	2 ¹ 2 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White	0' 0' 0' 0' 0' 0' 0'
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White tents:	6. 6. 6. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White eents: A-SOCKET-K	94 97 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White hents: A-SOCKET-K LLA-RZL	94 77 60 61 67 77 60 60 67 67 67 67 67
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White hents: A-SOCKET-K LLA-RZL	27 - 128 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White vents: A-SOCKET-K LLA-RZL 497 Typ L8	No. No. 30. 10. 6. 10. 6. 10. 6. 10. 6. 10. 6. 10. 6. 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10. 80 10.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White nents: A-SOCKET-K LLA-RZL 497 Typ L8	34° 157° 14° 154°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White vents: A-SOCKET-K LLA-RZL 497 Typ L8	34° 157° 44° 154°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White nents: A-SOCKET-K LLA-RZL 497 Typ L8 NJCWL024Z-V1MT: COB L-Type Tunable White	34° 157° 44° 154°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: -	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White vents: A-SOCKET-K LLA-RZL 497 Typ L8 NJCWL024Z-V1MT: COB L-Type Tunable White 19.0°	20 10 10 10 10 10 10 10 10 10 10 10 10 10
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: 4 MICHIA LED FWHM Efficiency	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White tents: A-SOCKET-K LLA-RZL 197 Typ L8 NJCWL024Z-V1MT: COB L-Type Tunable White 19.0° 82 % 3.4 cd/lm	34° 157° 14° 154°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: -	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White tents: A-SOCKET-K LLA-RZL 197 Typ L8 NJCWL024Z-V1MT: COB L-Type Tunable White 19.0° 82 % 3.4 cd/lm	20 10 10 10 10 10 10 10 10 10 10 10 10 10
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: -	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White nents: A-SOCKET-K LLA-RZL 497 Typ L8 NJCWL024Z-V1MT: COB L-Type Tunable White 19.0° 82 % 3.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: Bender Wirth: LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White tents: A-SOCKET-K LLA-RZL 497 Typ L8 NJCWL024Z-V1MT: COB L-Type Tunable White 19.0° 82 % 3.4 cd/lm 1 White tents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: - WICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White tents: A-SOCKET-K LLA-RZL 497 Typ L8 NJCWL024Z-V1MT: COB L-Type Tunable White 19.0° 82 % 3.4 cd/lm 1 White tents: A-SOCKET-K LLA-RZL	20 10 10 10 10 10 10 10 10 10 10 10 10 10
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: - C13723_MIRE Bender Wir	NJCWL024Z-V1MT: COB L-Type Tunable White 30.0° 74 % 1.7 cd/lm 1 White tents: A-SOCKET-K LLA-RZL 497 Typ L8 NJCWL024Z-V1MT: COB L-Type Tunable White 19.0° 82 % 3.4 cd/lm 1 White tents: A-SOCKET-K LLA-RZL	20 10 10 10 10 10 10 10 10 10 10 10 10 10



ØNICHIA		50°
LED	NVCWJ024Z-V1MT: COB J-Type Tunable White	
FWHM	37.0°	7
Efficiency	73 %	407 400
Peak intensity	1.2 cd/lm	\sim // \sim /
LEDs/each optic	1	\times
Light colour	White	e:
Required compor	nents:	
C16142_HEKL	A-SOCKET-K	
C13723_MIRE	LLA-RZL	
Bender Wirth: 4	498 Typ L8	36° 15° 0° 15°
ØNICHIA		30*
LED	NVCWJ024Z-V1MT: COB J-Type Tunable White	
FWHM	28.0°	2
Efficiency	80 %	60°
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compor	nents:	
C16142_HEKL		
Bender Wirth:	498 Typ L8	
		36° 13° 360 13° 35°
OSRAM Opto Semiconductors		30* 30*
OSRAM Opto Semiconductorsi LED	Soleriq S9	N ⁴
	Soleriq S9 28.0°	
LED		8°
LED FWHM Efficiency Peak intensity	28.0° 90 % 2.4 cd/lm	81
LED FWHM Efficiency Peak intensity LEDs/each optic	28.0° 90 % 2.4 cd/lm 1	N ⁴ N N N N N N N
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 90 % 2.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	28.0° 90 % 2.4 cd/lm 1 White hents:	97 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 90 % 2.4 cd/lm 1 White hents:	91 77 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	28.0° 90 % 2.4 cd/lm 1 White hents:	8° 89 70 80 8° 80 80 80 80 80 80 80 80 80 80 80 80 80 8
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	28.0° 90 % 2.4 cd/lm 1 White hents:	90 90 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	28.0° 90 % 2.4 cd/lm 1 White hents:	Ma Ma Ma Ma
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	28.0° 90 % 2.4 cd/lm 1 White hents: A-SOCKET-C	M. N. M.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	28.0° 90 % 2.4 cd/lm 1 White hents:	No. No. No. No. No. No.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	28.0° 90 % 2.4 cd/lm 1 White hents: A-SOCKET-C Soleriq S9	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	28.0° 90 % 2.4 cd/lm 1 White hents: A-SOCKET-C Soleriq S9 28.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	28.0° 90 % 2.4 cd/lm 1 White nents: A-SOCKET-C Soleriq S9 28.0° 90 % 2.4 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	28.0° 90 % 2.4 cd/lm 1 White nents: A-SOCKET-C Soleriq S9 28.0° 90 % 2.4 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	28.0° 90 % 2.4 cd/lm 1 White hents: A-SOCKET-C Soleriq S9 28.0° 90 % 2.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 90 % 2.4 cd/lm 1 White hents: A-SOCKET-C Soleriq S9 28.0° 90 % 2.4 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	28.0° 90 % 2.4 cd/lm 1 White hents: A-SOCKET-C Soleriq S9 28.0° 90 % 2.4 cd/lm 1 White hents: A-SOCKET-C	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	28.0° 90 % 2.4 cd/lm 1 White hents: A-SOCKET-C Soleriq S9 28.0° 90 % 2.4 cd/lm 1 White hents: A-SOCKET-C	



PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15858_HEKL C13723_MIRE	Fortimo SLM L09 CoB 39.0° 75 % 1.2 cd/lm 1 White hents: A-SOCKET-H	24 00 00 00 00 00 00 00 00 00 00 00 00 00
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15858_HEKL	Fortimo SLM L09 CoB 29.0° 83 % 1.8 cd/lm 1 White hents:	100 100 100 100 100 100 100 100 100 100
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: 4	Fortimo SLM L13 CoB 45.0° 71 % 1 cd/lm 1 White hents: A-SOCKET-K LLA-RZL	
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C13723_MIRE Bender Wirth: 4	White nents: A-SOCKET-K LLA-RZL	20° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0

PRODUCT DATASHEET F15559_MIRELLA-G2-M



PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	Fortimo SLM L13 CoB 40.0° 77 % 1.2 cd/lm 1 White eents: A-SOCKET-K	54 54 54 54 54 55 56 56 56 56 56 56 56 56 56 56 56 56
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth:	Fortimo SLM L13 CoB 40.0° 77 % 1.2 cd/lm 1 White eents: A-SOCKET-K	
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	LC010C G2 19.0° 86 % 3.4 cd/lm 1 White nents:	9° 9° 9° 9° 9° 109 9° 9° 9° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8°
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL C14658_BARE Bender Wirth:	LC010T (Tunable White) 27.0° 76 % 2 cd/lm 1 White tents: A-SOCKET-K ARA-RZ-LENS	



SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: {	LC010T (Tunable White) 26.0° 81 % 2.2 cd/lm 1 Tunable White ents: A-SOCKET-K	27 57 60 97 98 98 98 98 98 98 98 98 98 98 98 98 98
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	LC016D / LC019D / LC026D / LC033D 44.0° 83 % 1.2 cd/lm 1 White ents:	30° 50° 50° 50° 50° 50° 50° 50° 5
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C13723_MIRE	LC016D / LC019D / LC026D / LC033D 47.0° 74 % 1 cd/lm 1 White ents: A-SOCKET-I	54" 72 64" 64" 64" 64" 64" 64" 64" 64"
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C15570_LENA C13333_MIRE	LC016D / LC019D / LC026D / LC033D 47.0° 79 % 1.2 cd/lm 1 White ents: •STD-BASE2-VERO13-18	24° 27° 27° 27° 27° 27° 27° 27° 27° 27° 27



PHOTOMETRIC DATA (MEASURED):

SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL C12479_MIRE	LC016D / LC019D / LC026D / LC033D 47.0° 77 % 1.1 cd/lm 1 White ents: A-SOCKET-I	27 77 60 67 70 70 70 70 70 70 70 70 70 70 70 70 70
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15848_HEKL	LC020C 25.0° 88 % 2.5 cd/lm 1 White ents:	24 ⁴ 15 ⁴ 19 ⁴ 1
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	LC020C G2 27.0° 85 % 2.2 cd/lm 1 White ents:	
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL C13723_MIRE	SLE G7 LES09 36.0° 82 % 1.5 cd/lm 1 White ents: A-SOCKET-C	

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TRIDONICLEDSLE G7 LES09FWHM27.0°Efficiency89 %Peak intensity2.3 cd/lmLEDs/each optic1Light colourWhiteRequired components:F15255_HEKLA-SOCKET-C	97 97 97 97 97 99 99 99 99 99 99 99 99 9
TRIDONICLEDSLE G7 LES13FWHM44.0°Efficiency76 %Peak intensity1.1 cd/lmLEDs/each optic1Light colourWhiteRequired components:F15859_HEKLA-SOCKET-IC13723_MIRELLA-RZL	20° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
TRIDONICLEDSLE G7 LES13FWHM39.0°Efficiency84 %Peak intensity1.4 cd/lmLEDs/each optic1Light colourWhiteRequired components:F15859_HEKLA-SOCKET-I	
XOB 14.5 mmLEDXOB 14.5 mmFWHM46.0°Efficiency77 %Peak intensity1.1 cd/lmLEDs/each optic1Light colourWhiteRequired components:F15859_HEKLA-SOCKET-IC13723_MIRELLA-RZL	



XICATO		50° 50'
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	XOB 14.5 mm 42.0° 84 % 1.3 cd/lm 1 White hents:	20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL C13723_MIRE	XOB 6 mm 31.0° 80 % 1.6 cd/lm 1 White hents: A-SOCKET-C	120 00 120 100 00 100 00 10
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compoi F15255_HEKL	XOB 6 mm 20.0° 87 % 3.4 cd/lm 1 White hents:	
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL C13723_MIRE	XOB 9.8 mm 27.0° 88 % 2.3 cd/lm 1 White hents: A-SOCKET-C	2

PRODUCT DATASHEET



XICAT	0	
LED	XOB 9.8 mm	
FWHM	36.0°	
Efficiency	80 %	
Peak intensity	1.4 cd/lm	
LEDs/each op	tic 1	
Light colour	White	
Required com	ponents:	
F15255_HE	KLA-SOCKET-C	1244
C13723_MI	RELLA-RZL	

PRODUCT DATASHEET F15559_MIRELLA-G2-M



PHOTOMETRIC DATA (SIMULATED):

ED COB L-Type (LES 11) WHM 32.0° Efficiency 88 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15858_HEKLA-SOCKET-H F15858_HEKLA-SOCKET-H Image: COB T-Type WHM 21.0° ED COB T-Type WHM 21.0° Efficiency 88 % Peak intensity 4 cd/lm LEDs/each optic 1			
ED CLU22/CLU022 (LES10) WHM 27.3* Hickency 97% Pask Intensity 2.7 cd/m EDSeach optic 1 Lipht colour White Required components: F15255_HEKLA-SOCKET-C PLOINLEDS ED LUXEON MMX WHM 20.0* Hickency 88% Pask Intensity 4.4 cd/m Required components: F15255_HEKLA-SOCKET-C PLOINCHIA ED COB L-Type (LES 11) WHM 32.0* Hite Required components: F15858_HEKLA-SOCKET-C PLOINCHIA ED COB L-Type (LES 11) WHM 32.0* Hite Required components: F15858_HEKLA-SOCKET-H PLOINCHIA ED COB L-Type (LES 11) WHM 32.0* Hite Required components: F15858_HEKLA-SOCKET-H PLOINCHIA ED COB L-Type (LES 11) WHM 32.0* Hite Required components: F15858_HEKLA-SOCKET-H PLOINCHIA ED COB L-Type (LES 11) WHM 21.0* PLOINCHIA ED COB T-Type WHM 21.0* Hite Required components: F15858_HEKLA-SOCKET-H	CITIZEN		30 ⁴ 300
WHM 27.3* Efficiency 87.% aek intensity 2.7.20/m EDS/each optic 1 ight colour While Required components: F15255_HEKLA-SOCKET-C Image: Intensity 4.4.0d/m EDS ED LUXEON MMX WHM VMHM 20.2 Efficiency 89.% Pack intensity 4.4.0d/m EDS/each optic 1 ight colour White Required components: F15255_HEKLA-SOCKET-C Image: Intensity 2.4.0d/m EDS COB L-Type (LES 11) WHM 32.0* Encioncy 88.% Pack intensity 2.1.0d/m EDS/each optic 1 ight colour White Required components: F15858_HEKLA-SOCKET-C Imicioncy 88.% Pack intensity 2.1.0d/m EDS/each optic 1 ight colour White Required components: F15858_HEKLA-SOCKET-H ED COB T-Type			
Efficiency 87% Peak intensity 2.7 collm EDS/each optic 1 ight colour White Required components: F15255_HEKLA-SOCKET-C PLUNILEDS ED LUXEON MMX WHM 20.0° Efficiency 89% Peak intensity 4.4 collm EDS/each optic 1 ight colour White Required components: F15255_HEKLA-SOCKET-C PLOB LType (LES 11) WHM 32.0° Efficiency 88% Peak intensity 2.1 collm EDS/each optic 1 ight colour White Required components: F15258_HEKLA-SOCKET-H PLOB COB L-Type (LES 11) WHM 32.0° EDS/each optic 1 ight colour White Required components: F15258_HEKLA-SOCKET-H PLOB COB T-Type WHM 21.0° ED COB T-Type WHM 2			
Pack infensity 2.7 ad/m LEDs/each optic 1 jght colou White Required components: F15255_HEKLA-SOCKET-C PLUNILEDS LED LUXEON MMX WHM 20.0° Sificiency 89 % Pack infensity 89 % Pack infensity 89 % Pack infensity 1 dod/m LEDs/each optic 1 jght colou White Required components: F15255_HEKLA-SOCKET-C POB L-Type (LES 11) WHM 32.0° Sificiency 88 % Pack infensity 2.1 dol/m LEDs/each optic 1 jght colou White Required components: F15658_HEKLA-SOCKET-H Post-F1 Socket-A-SOCKET-H Pack infensity 2.1 dol/m Repliced components: F15658_HEKLA-SOCKET-H Socket-A-SOCKET-H Pack infensity 4.1 dol/m LEDs/each optic 1 jght colou White Required components: F15658_HEKLA-SOCKET-H Socket-A-SOCKET-A-S			
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Required components: F15255_HEKLA-SOCKET-C			
F15255_HEKLA-SOCKET-C	-		
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Efficiency 88 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15858_HEKLA-SOCKET-H ED COB T-Type WHM 21.0° Efficiency 88 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components: EU COB T-Type	FWHM		77
Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15858_HEKLA-SOCKET-H Image: COB T-Type WHM 21.0° ED COB T-Type WHM 21.0° Efficiency 88 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components:			
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Light colour White Required components: F15858_HEKLA-SOCKET-H			
Required components: F15858_HEKLA-SOCKET-H			
F15858_HEKLA-SOCKET-H			
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LED COB T-Type FWHM 21.0° Efficiency 88 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components:	E15858 HEKLA-		100
LED COB T-Type FWHM 21.0° Efficiency 88 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components:	F15858_HEKLA-		102
LED COB T-Type FWHM 21.0° Efficiency 88 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components:	F15858_HEKLA-		100
LED COB T-Type FWHM 21.0° Efficiency 88 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components:	F15858_HEKLA-		30° 15° 8°
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Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************		SOCKET-H СОВ Т-Туре	
LEDs/each optic 1 Light colour White Required components:	NICHIA LED FWHM	SOCKET-H СОВ Т-Туре 21.0°	
Light colour White Required components:	NICHIA LED FWHM Efficiency	SOCKET-H СОВ Т-Туре 21.0° 88 %	
Required components:	NICHIA LED FWHM Efficiency Peak intensity	SOCKET-H COB T-Type 21.0° 88 % 4 cd/lm	
	ED FWHM Efficiency Peak intensity LEDs/each optic	SOCKET-H COB T-Type 21.0° 88 % 4 cd/lm 1	
	WICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	SOCKET-H COB T-Type 21.0° 88 % 4 cd/lm 1 White	
242 - 25 - 25 - 25 - 25 - 25 - 25 - 25 -	WICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	SOCKET-H COB T-Type 21.0° 88 % 4 cd/lm 1 White tts:	
20 ¹⁰ 25 ¹⁰ 40 25 ¹⁰	WICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	SOCKET-H COB T-Type 21.0° 88 % 4 cd/lm 1 White tts:	
	WICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	SOCKET-H COB T-Type 21.0° 88 % 4 cd/lm 1 White tts:	

PRODUCT DATASHEET



GENERAL INFORMATION:

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

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

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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