

MOLLY-M

~35° medium beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.8 mm
Height	23.6 mm
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component MOLLY-M **Type** Single lens

Material	Colour	Finish
PMMA	clear	

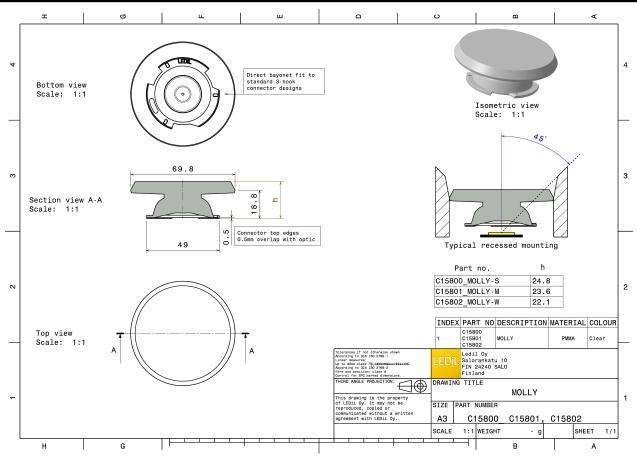
ORDERING INFORMATION:

Component C15801_MOLLY-M » Box size: 476 x 273 x 292 mm

Qty in box	MOQ	MPQ	Box weight (kg)
198	36	18	9.0



PRODUCT DATASHEET C15801_MOLLY-M



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



bridgelux.		90 ⁺
LED	Vero SE 13	
FWHM / FWTM	36.0° / 54.0°	77
Efficiency	90 %	
Peak intensity	2.1 cd/lm	8 ⁶⁶
LEDs/each optic	1	
Light colour	White	9
Required compone		
	P-VEROSE-13-18	
		30° 0° 133
bridgelux.		50°
LED	Vero SE 18	
FWHM / FWTM	40.0° / 62.0°	
Efficiency	89 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	e la
Required compone	ents:	
C16402_CLAMF	P-VEROSE-13-18	
		30*
		10 ⁰ 10 ¹
bridgelux.		90*
bridgelux. LED	Vesta TW 15mm DP	
	Vesta TW 15mm DP 38.0° / 58.0°	99* 79:
LED		90°
LED FWHM / FWTM	38.0° / 58.0°	
LED FWHM / FWTM Efficiency	38.0° / 58.0° 90 %	90* 72 60* 60*
LED FWHM / FWTM Efficiency Peak intensity	38.0° / 58.0° 90 % 1.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18 82 Typ L2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44 bridgeLux, LED	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18 82 Typ L2 Vesta TW 18mm (31W) DP	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44 bridgelux. LED FWHM / FWTM	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18 82 Typ L2 Vesta TW 18mm (31W) DP 40.0° / 61.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44 bridgeLux, LED FWHM / FWTM Efficiency	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: 2-VERO13-18 82 Typ L2 Vesta TW 18mm (31W) DP 40.0° / 61.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44 bridgelux. LED FWHM / FWTM Efficiency Peak intensity	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18 82 Typ L2 Vesta TW 18mm (31W) DP 40.0° / 61.0° 88 % 1.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44 bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18 82 Typ L2 Vesta TW 18mm (31W) DP 40.0° / 61.0° 88 % 1.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44 bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18 82 Typ L2 Vesta TW 18mm (31W) DP 40.0° / 61.0° 88 % 1.7 cd/lm 1 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44 bridgeLux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18 82 Typ L2 Vesta TW 18mm (31W) DP 40.0° / 61.0° 88 % 1.7 cd/lm 1 Tunable White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44 bridgeLuX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18 82 Typ L2 Vesta TW 18mm (31W) DP 40.0° / 61.0° 88 % 1.7 cd/lm 1 Tunable White ents: P-VERO29	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44 bridgeLux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18 82 Typ L2 Vesta TW 18mm (31W) DP 40.0° / 61.0° 88 % 1.7 cd/lm 1 Tunable White ents: P-VERO29	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 44 Dridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF	38.0° / 58.0° 90 % 1.9 cd/lm 1 Tunable White ents: P-VERO13-18 82 Typ L2 Vesta TW 18mm (31W) DP 40.0° / 61.0° 88 % 1.7 cd/lm 1 Tunable White ents: P-VERO29	



CITIZE	N	
LED	CLL03x/CLU03x	
FWHM / FWTM	36.0° / 55.0°	
Efficiency	89 %	
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
Bender Wirth: 43		
CITIZE	N	90° 99°
LED	LCN-C02B (Tunable White)	
FWHM / FWTM	35.0° / 53.0°	
Efficiency	89 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	er e
Required compone	ents:	
C13658_CLAMF	P-VERO13-18	
Bender Wirth: 48	31 Typ L2	
		20 ⁻ 20 ⁻ 20 ⁰ 30 ⁻
		554 503
LED	CMA1840	
FWHM / FWTM	37.0° / 56.0°	
Efficiency	91 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
C14123_CLAMF	P-CXA15-18	
		30 ⁺ 25 ⁺ 0 ⁺ 15 ⁺
	D	
LED	CMA2550	
FWHM / FWTM	42.0° / 62.0°	
Efficiency	89 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gr a
Required compone		
C14036_CLAMF		
		35%
		125 ⁴ 0 ⁴ 15 ⁵



	D		1000	90*	-
LED	 CMA3090				\land
FWHM / FWTM	45.0° / 68.0°			734	
Efficiency	88 %			\sum / H	400
Peak intensity	1.4 cd/lm			691	$\sim //$
LEDs/each optic	1				
Light colour	White			ge / / -	800
Required compone	ents:				
C14036_CLAMI				\sim	
					1200
				36.	
	D			90*	v 13 ⁻
LED	CMT14xx				\land
FWHM / FWTM	33.0° / 50.0°			75*	
Efficiency	90 %			\smallsetminus	
Peak intensity	2.5 cd/lm			60*	
LEDs/each optic	1			$\mid \times \mid \mid$	
Light colour	White			954	X
Required compone					1630
C13658_CLAMI					
Bender Wirth: 4					
					2430
				15*	0° 25°
					· · ·
	D		-	90*	
	CMT19xx		-	90*	
				50°	
LED	CMT19xx			50* 73	
LED FWHM / FWTM	CMT19xx 36.0° / 55.0°		6	84 26	00
LED FWHM / FWTM Efficiency	CMT19xx 36.0° / 55.0° 90 %		0	94 94	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White		0	91	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents:			9 ¹	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAM	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18		0	94 97 97	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18		6	94 95 97	.00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAM	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18			92 ¹ 77 60 ⁴ 60 ⁴	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAM	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18 77 Typ L1			92 70 60 50 50 50 50 50 50 50 50 50 50 50	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMI Bender Wirth: 4	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18 77 Typ L1			99 ¹ 77 60 ⁴ 99 ⁴ 99 ⁴ 99 ⁴	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMI Bender Wirth: 4	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White P-VERO13-18 77 Typ L1			70 90 90 90 90 90 90 90 90 90 9	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMI Bender Wirth: 4	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White P-VERO13-18 77 Typ L1			91 92 93 94 95	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMI Bender Wirth: 4	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18 77 Typ L1			94 97 90 90 90 90 90 90 90 90 90 90 90 90 90	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMI Bender Wirth: 4 CREE LED FWHM / FWTM Efficiency	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18 77 Typ L1			94 94 97 96 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 compone C13658_CLAMI Bender Wirth: 4 CREE CLEU ED FWHM / FWTM Efficiency Peak intensity	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18 77 Typ L1				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMI Bender Wirth: 4	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18 77 Typ L1 CMT28xx 42.0° / 65.0° 87 % 1.5 cd/lm 1 White			91 97 96 97 97 97 97 97 97 97	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMI Bender Wirth: 4 CREE CLEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMI	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18 77 Typ L1 CMT28xx 42.0° / 65.0° 87 % 1.5 cd/lm 1 White ents: P-VERO29			91 77 60 60 50 50 50 50 50 50 50 50 50 50 50 50 50	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMI Bender Wirth: 4 CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18 77 Typ L1 CMT28xx 42.0° / 65.0° 87 % 1.5 cd/lm 1 White ents: P-VERO29			91 77 60 90 90 90 90 90 90 90 90 90 90 90 90 90	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMI Bender Wirth: 4 CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMI	CMT19xx 36.0° / 55.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18 77 Typ L1 CMT28xx 42.0° / 65.0° 87 % 1.5 cd/lm 1 White ents: P-VERO29			91 92 92 93 94 95 95 95 95 95 95 95 95 95 95 95 95 95	



		94*
LED	CXA/B 15xx	
FWHM / FWTM	34.0° / 51.0°	
Efficiency	90 %	
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	White	e.
Required compone	nts:	
C14123_CLAMF		
		$\times \Lambda \to \lambda$
		360 200
	EDS	25 ^t 6 ^t 25 ^t
		50°
LED	LUXEON CoB 1204HD	77
FWHM / FWTM	30.0° / 46.0°	
Efficiency	89 %	691
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
I E Connectivity:	2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	200
		30 ⁶
	INUS	»*
		20/*
	CDM-14 (Dim-To-Warm) 36.0° / 54.0°	35.
LED	CDM-14 (Dim-To-Warm)	29°
LED FWHM / FWTM	CDM-14 (Dim-To-Warm) 36.0° / 54.0°	
LED FWHM / FWTM Efficiency	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18	95° 75 95 95 97 97 97 97 97 97 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 45	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18 21 Typ L2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 45	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18 21 Typ L2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 45	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: 2-VERO13-18 21 Typ L2 INUS CDM-18 (Dim-To-Warm)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 49	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18 21 Typ L2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 45 Memory CLED FWHM / FWTM Efficiency	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: 2-VERO13-18 21 Typ L2 CDM-18 (Dim-To-Warm) 38.0° / 57.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 45 WHM / FWTM Efficiency Peak intensity	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18 21 Typ L2 CDM-18 (Dim-To-Warm) 38.0° / 57.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 45 Ender Wirth: 45 Efficiency Peak intensity LEDs/each optic	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18 21 Typ L2 CDM-18 (Dim-To-Warm) 38.0° / 57.0° 89 % 1.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 49 Ender Wirth: 49 Efficiency Peak intensity LEDs/each optic Light colour	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18 21 Typ L2 INUS CDM-18 (Dim-To-Warm) 38.0° / 57.0° 89 % 1.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 45 Efficiency Peak intensity LEDs/each optic Light colour Required compone	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18 21 Typ L2 CDM-18 (Dim-To-Warm) 38.0° / 57.0° 89 % 1.9 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 45 Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18 21 Typ L2 INUS CDM-18 (Dim-To-Warm) 38.0° / 57.0° 89 % 1.9 cd/lm 1 White nts: P-VERO13-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 45 Efficiency Peak intensity LEDs/each optic Light colour Required compone	CDM-14 (Dim-To-Warm) 36.0° / 54.0° 89 % 2 cd/lm 1 White nts: P-VERO13-18 21 Typ L2 INUS CDM-18 (Dim-To-Warm) 38.0° / 57.0° 89 % 1.9 cd/lm 1 White nts: P-VERO13-18	



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C LUM	INUS	90*
LED	CDM-9 (Dim-To-Warm)	
FWHM / FWTM	33.0° / 49.0°	
Efficiency	89 %	
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
C13658_CLAM		
Bender Wirth: 4	90 Тур L1	34. 200 20
	INUS	20 ¹ 20 ¹ 20 ² 20 ² 20 ²
LED	CTM-14 (Tunable White)	
FWHM / FWTM	34.0° / 52.0°	3. 2.
Efficiency	88 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	er la
Required compone	ents:	
C13584_CLAM		
Bender Wirth: 4-		
		54° 20 46, 20° 36
ELUM	INUS	8°
LED	CTM-14 RGBW	
FWHM / FWTM	35.0° / 55.0°	78
Efficiency	88 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	RGBW	97 120 9
Required compone	ents:	
C13584_CLAM	P-VERO29	
Bender Wirth: 5	00 Typ L3-1	
		34* 2000 12* 0* 12*
	INUS	90 ⁴
LED	CTM-22 (Tunable White)	72 73
FWHM / FWTM	42.0° / 64.0°	
Efficiency	87 %	60 ⁻⁴⁰
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
C13584_CLAM	P-VERO29	
Bender Wirth: 4	94 Typ L3	
		*
		15" 100 15"



ØNICHI/	\	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAM Bender Wirth: 4	NVCWJ024Z-V1MT: COB J-Type Tunable White 33.0° / 51.0° 89 % 2.4 cd/lm 1 White ents: P-VERO13-18	25 25 26 27 20 20 20 20 20 20 20 20 20 20
OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16685_CLAM	PrevaLED Core G7 L15 H1 35.0° / 55.0° 90 % 2.1 cd/lm 1 White ents:	ID: W ID: 99* 92* 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 99* 92 92 92 92 92 93* 92 92 93* 92 92 93* 92 92 93* 92 92
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity	Fortimo SLM L13 CoB 35.0° / 53.0° 89 % 2.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Fortimo SLM L15 + SLM holder 34.0° / 53.0° 89 % 2.3 cd/lm 1 White ents: : OPTIC CLIP Z50 TYPE1 2213194-1	90°



PHILI	PS		90 ⁴ 90
LED	Fortimo SLM L15 CoB		
FWHM / FWTM	36.0° / 54.0°		
Efficiency	88 %		
Peak intensity	2.1 cd/lm		
LEDs/each optic	1		
Light colour	White		gr e
Required compone	ents:		
TE Connectivity	r: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1		1600
			30" 25" 30
SAMS	UNG		50° 90
LED	LC035T (Tunable white)		
FWHM / FWTM	43.0° / 67.0°		
Efficiency	88 %		601 60
Peak intensity	1.4 cd/lm		
LEDs/each optic	1		
Light colour	White		45° / 300
Required compone	ents:		
C13584_CLAM	P-VERO29		1230
Bender Wirth: 5	02 Typ L3		
			30* 152 00 152
XICATO	0	and the second se	90° 90
LED	XTM - 19mm LES		
FWHM / FWTM	39.0° / 60.0°		400
Efficiency	90 %		
Peak intensity	1.8 cd/lm		200
LEDs/each optic	1		
Light colour	White		27 C
Required compone	ents:		
C16491_XTM-A	ADAPTER-50-A		100
			30° 15° 0° 15° 32



PHOTOMETRIC DATA (SIMULATED):

bridgelux.		
LED	V9 HD	
FWHM / FWTM	32.0° / 44.0°	
Efficiency	90 %	
Peak intensity	3.3 cd/lm	
	1	
LEDs/each optic	ı White	
Light colour Required components:	white	
C13658_CLAMP-VE	PO12 18	
Bender Wirth: 496 Ty		
bridgelux.		50* 50*
LED	VER013	
FWHM / FWTM	32.0° / 46.0°	75°
Efficiency	91 %	800
Peak intensity	3.1 cd/lm	$r \times / / \times \gamma$
LEDs/each optic	1	1000
Light colour	White	95* 43*
Required components:		\times
C13658_CLAMP-VE	R013-18	200
1		
		30° 30° 30° 30° 30°
CITIZEN		20" 20" 20" 10" 0 ⁴ 10" 50" 20"
		90° 0° 10° 0° 10° 90° 90° 90°
LED	CLL02x/CLU02x (LES10)	5° 5° 5° 5° 5° 5°
LED FWHM / FWTM	30.0° / 42.0°	33. 00 35. 34. 33. 35.
LED FWHM / FWTM Efficiency	30.0° / 42.0° 89 %	60 90 90 90 90 90 90 90 90 90 9
LED FWHM / FWTM Efficiency Peak intensity	30.0° / 42.0° 89 % 3.6 cd/lm	BY DY DY DY DY 15° 0° 15° 9° 7° 0° 15° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9° 0° 9° 9° 9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	30.0° / 42.0° 89 % 3.6 cd/lm 1	59* 73* 000 50*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	30.0° / 42.0° 89 % 3.6 cd/lm	60 90 90 90 90 90 90 90 90 90 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	30.0° / 42.0° 89 % 3.6 cd/lm 1 White	g. 100 100 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	30.0° / 42.0° 89 % 3.6 cd/lm 1 White	g. 100 100 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	30.0° / 42.0° 89 % 3.6 cd/lm 1 White	9° 9° 9° 9° 9° 9° 8° 8° 80° 8° 80° 8° 8° 80° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	30.0° / 42.0° 89 % 3.6 cd/lm 1 White	9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹ 9 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	30.0° / 42.0° 89 % 3.6 cd/lm 1 White	200 5° 60 60 200 200 200 200 200 200 200 200 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Ty	30.0° / 42.0° 89 % 3.6 cd/lm 1 White rp L1	200 5° 60 60 200 200 200 200 200 200 200 200 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Ty	30.0° / 42.0° 89 % 3.6 cd/lm 1 White rp L1 CXA/B 1816 & CXA/B 1820 & CXA 1850	35 37 39 39 39 39 39 39 39 39 39 39
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Ty CREE LED LED FWHM / FWTM	30.0° / 42.0° 89 % 3.6 cd/lm 1 White /p L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° / 47.0°	51 51 51 51 51 51 51 51 51 51
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Ty Efficiency	30.0° / 42.0° 89 % 3.6 cd/lm 1 White /p L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° / 47.0° 90 %	35 37 39 39 39 39 39 39 39 39 39 39
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Ty Efficiency Peak intensity	30.0° / 42.0° 89 % 3.6 cd/lm 1 White /p L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° / 47.0°	35 37 39 39 39 39 39 39 39 39 39 39
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Ty Efficiency Peak intensity LEDs/each optic	30.0° / 42.0° 89 % 3.6 cd/lm 1 White rp L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° / 47.0° 90 % 3.1 cd/lm 1	35 37 39 39 39 39 39 39 39 39 39 39
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Ty Efficiency Peak intensity LEDs/each optic Light colour	30.0° / 42.0° 89 % 3.6 cd/lm 1 White rp L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° / 47.0° 90 % 3.1 cd/lm	35 37 39 39 39 39 39 39 39 39 39 39
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Ty Efficiency Peak intensity LEDs/each optic Light colour Required components:	30.0° / 42.0° 89 % 3.6 cd/lm 1 White rp L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° / 47.0° 90 % 3.1 cd/lm 1 White	32 34 35 35 35 35 35 35 35 35 35 35
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Ty Efficiency Peak intensity LEDs/each optic Light colour	30.0° / 42.0° 89 % 3.6 cd/lm 1 White rp L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° / 47.0° 90 % 3.1 cd/lm 1 White	32 34 35 35 35 35 35 35 35 35 35 35
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Ty Efficiency Peak intensity LEDs/each optic Light colour Required components:	30.0° / 42.0° 89 % 3.6 cd/lm 1 White rp L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° / 47.0° 90 % 3.1 cd/lm 1 White	35 37 39 39 39 39 39 39 39 39 39 39



PHOTOMETRIC DATA (SIMULATED):

 LED
 CXA/B 25xx

 FWHM / FWTM
 36.0° / 50.0°

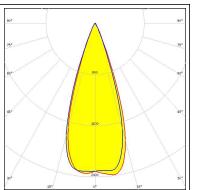
 Efficiency
 88 %

 Peak intensity
 2.2 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 C14036_CLAMP_CXA25-30



 LED
 CTM-18 (Tunable White)

 FWHM / FWTM
 34.0° / 47.0°

 Efficiency
 80 %

 Peak intensity
 2.3 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 C13658_CLAMP-VERO13-18



GENERAL INFORMATION:

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

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

MATERIALS:

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

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

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