

## **MOLLY-M**

~35° medium beam

#### **TECHNICAL SPECIFICATIONS:**

Dimensions

23.6 mm

yes 🛈

Ø 69.8 mm

Fastening

Height

#### ROHS compliant

#### **MATERIAL SPECIFICATIONS:**

Component MOLLY-M **Type** Single lens



## **Material** PMMA

**Colour** clear Finish

PRODUCT DATASHEET

C15801\_MOLLY-M

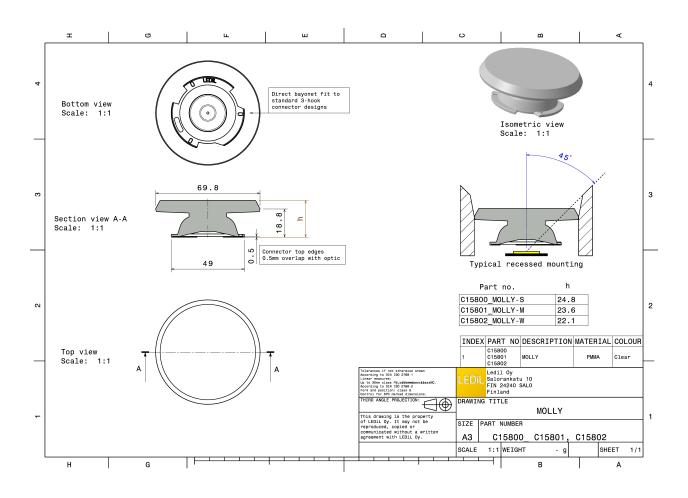
#### **ORDERING INFORMATION:**

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





bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16402_CLAW	White	55
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16402_CLAW	White	25° 00 26° 25° 26° 25° 26° 25° 26° 25° 26° 25° 26° 25° 26° 25° 26° 25° 26° 25° 26° 25° 27° 28° 28° 28° 28° 28° 28° 28° 28
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAW Bender Wirth: 4	Tunable White ents: P-VERO13-18	30° 0° 0° 0° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13584_CLAW Bender Wirth: 4	Tunable White ents: P-VERO29	25° (°) (°) (°) (°) (°) (°) (°) (°) (°) (°



## PHOTOMETRIC DATA (MEASURED):

CITIZE	N	
LED	CLL03x/CLU03x	
FWHM	36.0°	
Efficiency	89 %	
Peak intensity	2.1 cd/lm	
LEDs/each optic		
Light colour	White	
Required compor		
Bender Wirth:		
	NT	7
CITIZE	N	50°
LED	LCN-C02B (Tunable White)	
FWHM	35.0°	
Efficiency	89 %	601
Peak intensity	2.2 cd/lm	
LEDs/each optic		
Light colour	White	95*
Required compor		1630
C13658_CLAN	IP-VERO13-18	
Bender Wirth:	481 Typ L2	
		30*
CREE ≑	•	90*
LED	CMA1840	
FWHM	37.0°	75
Efficiency	91 %	
Peak intensity	2 cd/lm	60°
LEDs/each optic		
Light colour	White	97
Required compor		
C14123_CLAM		1630
		2 <sup>90</sup> 15° 0° 15°
CREE <del>\$</del>	•	80*
LED FWHM	CMA2550 42.0°	73
		400
Efficiency	89 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic		
Light colour	White	
Required compor		1200
C14036_CLAN	IF_UAA20-30	
		1000

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## PHOTOMETRIC DATA (MEASURED):

CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14036_CLAM	CMA3090 45.0° 88 % 1.4 cd/lm 1 White ents:	27 60 60 10 10 10 10 10 10 10 10 10 1
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13658_CLAM Bender Wirth: 4	CMT14xx 33.0° 90 % 2.5 cd/lm 1 White ents: P-VERO13-18	9°
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13658_CLAM Bender Wirth: 4	CMT19xx 36.0° 90 % 2.1 cd/lm 1 White ents: P-VERO13-18	94 64 64 90 90 90 90 90 90 90 90 90 90 90 90 90
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13584_CLAM Bender Wirth: 4	CMT28xx 42.0° 87 % 1.5 cd/lm 1 White ents: P-VERO29	200 201 201 201 201 201 201 201

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CREE <del>\$</del>		90° 90°
LED	CXA/B 15xx	75'
FWHM	34.0°	
Efficiency	90 %	- 000 - 00 <sup>4</sup>
Peak intensity	2.4 cd/lm	
LEDs/each optic		
Light colour	White	9°
Required compor		
C14123_CLAM	IP-CXA15-18	
		30" 200 15" 0" 15"
	EDS	90°
LED	LUXEON CoB 1204HD	
FWHM	30.0°	10
Efficiency	89 %	
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	
Light colour	White	at
Required compor	ents:	
TE: 2213382-2	+ OPTIC CLIP Z50 TYPE1 2213194-1	200
		30* 27 28 27 34
	NUS	90 <sup>3</sup>
		<u>b</u> , <u>b</u> ,
LED FWHM	CDM-14 (Dim-To-Warm) 36.0°	23 <sup>1</sup> 29 <sup>1</sup>
LED FWHM	CDM-14 (Dim-To-Warm)	50 <sup>4</sup> 50 <sup>2</sup>
LED FWHM Efficiency	CDM-14 (Dim-To-Warm) 36.0°	8 <sup>1</sup> 8 <sup>1</sup> 25 26 26 26 26 26 26 26 26 26 26 26
LED FWHM	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm	61- 00 - 00 72- 00 73- 00
LED FWHM Efficiency Peak intensity	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White tents:	27 - 200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White ents: IP-VERO13-18	gr gr gr gr gr gr gr gr gr gr
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White ents: IP-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White tents: IP-VERO13-18 I91 Typ L2	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White tents: IP-VERO13-18 I91 Typ L2	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White tents: IP-VERO13-18 I91 Typ L2 NUS CDM-18 (Dim-To-Warm)	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White tents: IP-VERO13-18 I91 Typ L2 NUS CDM-18 (Dim-To-Warm) 38.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4 WITH: 4 LED FWHM Efficiency	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White eents: IP-VERO13-18 I91 Typ L2 NUS CDM-18 (Dim-To-Warm) 38.0° 89 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4 Ender Wirth: 4 LED FWHM Efficiency Peak intensity	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White ents: IP-VERO13-18 I91 Typ L2 CDM-18 (Dim-To-Warm) 38.0° 89 % 1.9 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4 Ender Wirth: 4 LED FWHM Efficiency Peak intensity LEDs/each optic	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White ents: IP-VERO13-18 191 Typ L2 NUS CDM-18 (Dim-To-Warm) 38.0° 89 % 1.9 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4 Ender Wirth: 4 Efficiency Peak intensity LEDs/each optic Light colour	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White ents: IP-VERO13-18 I91 Typ L2 NUS CDM-18 (Dim-To-Warm) 38.0° 89 % 1.9 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4 Ender Wirth: 4 WHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White tents: IP-VERO13-18 191 Typ L2 <b>NUS</b> CDM-18 (Dim-To-Warm) 38.0° 89 % 1.9 cd/lm 1 White tents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4 Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White tents: IP-VERO13-18 191 Typ L2 NUS CDM-18 (Dim-To-Warm) 38.0° 89 % 1.9 cd/lm 1 White tents: IP-VERO13-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAM Bender Wirth: 4 Ender Wirth: 4 WHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CDM-14 (Dim-To-Warm) 36.0° 89 % 2 cd/lm 1 White tents: IP-VERO13-18 191 Typ L2 NUS CDM-18 (Dim-To-Warm) 38.0° 89 % 1.9 cd/lm 1 White tents: IP-VERO13-18	



	NUS	90° 90°
LED	CDM-9 (Dim-To-Warm)	
FWHM	33.0°	
Efficiency	89 %	60 <sup>4</sup> 800 60 <sup>4</sup>
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	White	er" er"
Required compor		
C13658_CLAM		
Bender Wirth:	190 Typ L1	
		30° 30° 35°
	NUS	90° 90°
LED	CTM-14 (Tunable White)	
FWHM	34.0°	20. 20.
Efficiency	88 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	er et
Required compor	ents:	1000
C13584_CLAN	IP-VERO29	
Bender Wirth: 4	142 Typ L3	
		30* 30* 30*
	NUS	50° 50°
LED	CTM-22 (Tunable White)	
FWHM	42.0°	
Efficiency	87 %	607 607
Peak intensity	1.5 cd/lm	
LEDs/each optic		
Light colour	White	57 (ST
Required compor		
C13584_CLAM		1200
Bender Wirth:	194 Typ L3	
		36* 150 35* 36*
<b>ØNICHIA</b>		50°
LED	NVCWJ024Z-V1MT: COB J-Type Tunable White	75*
FWHM	33.0°	
Efficiency	89 %	60
Peak intensity	2.4 cd/lm	
LEDs/each optic		
Light colour	White	45° tem
Required compor		
C13658_CLAN		
Bender Wirth: 4	198 Typ L2	
		2430
		36* 34*



OSRAM LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16685_CLAM	PrevaLED Core G7 L15 H1 35.0° 90 % 2.1 cd/lm 1 White tents:	99 <sup>1</sup> 99 <sup>1</sup> 75 <sup>1</sup> 75 <sup>1</sup> 99 <sup>1</sup> 800 60 <sup>2</sup> 95 <sup>1</sup> 850 90 <sup>2</sup>
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TE: 2213130-2	Fortimo SLM L13 CoB35.0°89 %2.2 cd/lm1White	
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Fortimo SLM L15 + SLM holder 34.0° 89 % 2.3 cd/lm 1 White	24 20 00 00 00 00 00 00 00 00 00 00 00 00
	P Z50 TYPE1 2213194-1	100 100 100



SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13584_CLAM Bender Wirth: 5	LC035T (Tunable white) 43.0° 88 % 1.4 cd/lm 1 White eents: IP-VERO29	
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16491_XTM-	XTM - 19mm LES 39.0° 90 % 1.8 cd/lm 1 White	21 0 0 12 0 12 0 12 0 12 0 12 0 12 0 12



## PHOTOMETRIC DATA (SIMULATED):

bridgelux.		
LED	V9 HD	
FWHM	32.0°	
Efficiency	90 %	
Peak intensity	3.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer		
C13658_CLAMP-		
Bender Wirth: 496		
	5 TYP E1	
bridgelux.		50* 50*
LED	VER013	
FWHM	32.0°	23.
Efficiency	91 %	
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	
Light colour	White	gsi
Required componer	its:	$\times$
C13658_CLAMP-	VER013-18	200
		30° 3200 30°
		15° 0° 35°
CITIZEN		90° 90°
LED	CLL02x/CLU02x (LES10)	
		75"
FWHM	30.0°	
FWHM Efficiency	30.0° 89 %	
Efficiency	89 %	00 00 00 00 00 00 00 00 00 00 00 00 00
Efficiency Peak intensity	89 % 3.6 cd/lm	00 00 00 00 00 00 00 00 00 00 00 00 00
Efficiency Peak intensity LEDs/each optic	89 % 3.6 cd/lm 1	g
Efficiency Peak intensity LEDs/each optic Light colour	89 % 3.6 cd/lm 1 White	9 <sup>4</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required componer	89 % 3.6 cd/lm 1 White ots:	g
Efficiency Peak intensity LEDs/each optic Light colour	89 % 3.6 cd/lm 1 White ots:	gr er
Efficiency Peak intensity LEDs/each optic Light colour Required componer	89 % 3.6 cd/lm 1 White ots:	g
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434	89 % 3.6 cd/lm 1 White ots:	gr er
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434	89 % 3.6 cd/lm 1 White ots:	g
Efficiency Peak intensity LEDs/each optic Light colour Required componer	89 % 3.6 cd/lm 1 White ots:	200 50 50 50 50 50 50 50 50 50 50 50 50 5
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434	89 % 3.6 cd/lm 1 White hts: 4 Typ L1	200 200 67 200 67
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434	89 % 3.6 cd/lm 1 White hts: 4 Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850	200 200 67 200 67
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434	89 % 3.6 cd/lm 1 White ots: 4 Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0°	200 200 67 200 67
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434 CREE LED FWHM Efficiency	89 % 3.6 cd/lm 1 White hts: 4 Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° 90 %	200 50 50 50 50 50 50 50 50 50 50 50 50 5
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434 CREE LED FWHM Efficiency Peak intensity	89 % 3.6 cd/lm 1 White tts: 4 Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° 90 % 3.1 cd/lm	200 200 67 200 67
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434 <b>CREE</b> LED FWHM Efficiency Peak intensity LEDs/each optic	89 % 3.6 cd/lm 1 White tts: 4 Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° 90 % 3.1 cd/lm 1 White	200 200 200 200 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434 <b>CREE</b> ED FWHM Efficiency Peak intensity LEDs/each optic Light colour	89 % 3.6 cd/lm 1 White tts: 4 Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° 90 % 3.1 cd/lm 1 White tts:	200 200 200 200 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434 <b>CREE</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	89 % 3.6 cd/lm 1 White tts: 4 Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° 90 % 3.1 cd/lm 1 White tts:	200 200 200 200 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 434 <b>CREE</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	89 % 3.6 cd/lm 1 White tts: 4 Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 33.0° 90 % 3.1 cd/lm 1 White tts:	200 50 50 50 50 50 50 50 50 50 50 50 50 5



## PHOTOMETRIC DATA (SIMULATED):

	CXA/B 25xx 36.0°	59 <sup>4</sup> 73 <sup>4</sup> 75 <sup>7</sup>
Efficiency Peak intensity LEDs/each optic Light colour	88 % 2.2 cd/lm 1 White	
Required componen C14036_CLAMP		200 200 200 200 200 200 200 200 200 200
	IUS	
LED	CTM-18 (Tunable White)	
FWHM	34.0°	
Efficiency	80 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required component	nts:	

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.

#### 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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#### LEDiL Oy

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