

MOLLY-S

~25° spot beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.8 mm
Height	24.8 mm
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component MOLLY-S **Type** Single lens

Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

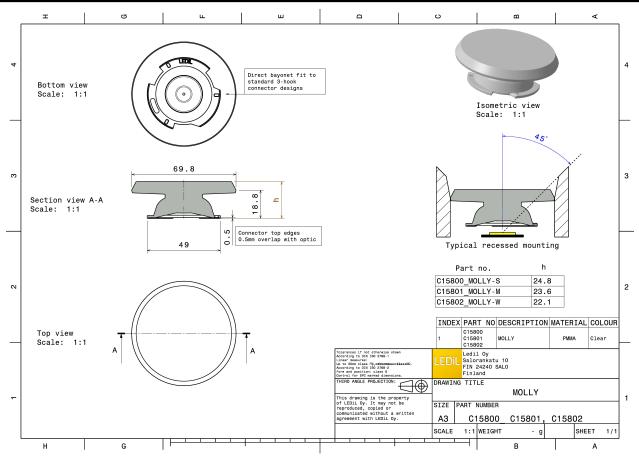
Component C15800_MOLLY-S » Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
198	36	18	9.7

PRODUCT DATASHEET C15800_MOLLY-S



PRODUCT DATASHEET C15800_MOLLY-S



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



bridgelux. LED FWHM / FWTM	V11 HD Gen 8 21.0° / 36.0°	99* 75
Efficiency	91 %	
Peak intensity	5.4 cd/lm	60×
LEDs/each optic	1	
Light colour	White	g
Required compone		
Bender Wirth: 63		
		30 ⁴ 20 ⁴ 20 ⁴
bridgelux.		50° A
LED	Vero SE 13	
FWHM / FWTM	23.0° / 40.0°	72
Efficiency	90 %	
Peak intensity	4.2 cd/lm	
LEDs/each optic	1	
Light colour	White	g. / / /
Required compone	nts:	
C16402_CLAMF	-VEROSE-13-18	
		30, 20, 20, 20, 20, 20, 20, 20, 20, 20, 2
bridgelux.		80'
bridgelux. LED	Vero SE 18	59 ⁴
	Vero SE 18 31.0° / 54.0°	39°
LED		
LED FWHM / FWTM	31.0° / 54.0°	99 ⁴
LED FWHM / FWTM Efficiency	31.0° / 54.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	31.0° / 54.0° 88 % 2.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	31.0° / 54.0° 88 % 2.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16402_CLAMF	31.0° / 54.0° 88 % 2.4 cd/lm 1 White hts: -VEROSE-13-18	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	31.0° / 54.0° 88 % 2.4 cd/lm 1 White hts: -VEROSE-13-18	30° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16402_CLAMF	31.0° / 54.0° 88 % 2.4 cd/lm 1 White hts: -VEROSE-13-18	30° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16402_CLAMF	31.0° / 54.0° 88 % 2.4 cd/lm 1 White hts: -VEROSE-13-18 N CLL03x/CLU03x	30° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16402_CLAMF CITIZE LED FWHM / FWTM Efficiency	31.0° / 54.0° 88 % 2.4 cd/lm 1 White hts: -VEROSE-13-18 N CLL03x/CLU03x 24.0° / 45.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16402_CLAMF CITTIZE LED FWHM / FWTM	31.0° / 54.0° 88 % 2.4 cd/lm 1 White hts: -VEROSE-13-18 N CLL03x/CLU03x 24.0° / 45.0° 88 %	30° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16402_CLAMF CIG402_CLAMF CIG402_CLAMF FWHM / FWTM Efficiency Peak intensity LEDs/each optic	31.0° / 54.0° 88 % 2.4 cd/lm 1 White hts: -VEROSE-13-18 N CLL03x/CLU03x 24.0° / 45.0° 88 % 3.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16402_CLAMF CITIZE LED FWHM / FWTM Efficiency Peak intensity	31.0° / 54.0° 88 % 2.4 cd/lm 1 White hts: -VEROSE-13-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16402_CLAMF CICLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	31.0° / 54.0° 88 % 2.4 cd/lm 1 White hts: -VEROSE-13-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16402_CLAMF CICUCAL EF FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	31.0° / 54.0° 88 % 2.4 cd/lm 1 White hts: -VEROSE-13-18	



CITIZE	N		90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13658_CLAMF Bender Wirth: 43	CLL03x/CLU03x 23.0° / 42.0° 87 % 3.9 cd/lm 1 White ents: P-VERO13-18		30 ⁻⁰ 52 ⁻⁰ 50
	D		50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAM			25 ² 60 ⁴ 67 ⁴ 200 200 200 200
	ח		25 ⁵ 0 ⁶ 35 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14036_CLAM	CMA2550 32.0° / 56.0° 89 % 2.2 cd/lm 1 White ents:		
CREE LEC LED FWHM / FWTM Efficiency	CMA3090 37.0° / 64.0° 86 %		99° 75° 60°
Peak intensity LEDs/each optic Light colour Required compone	1.6 cd/lm 1 White ents:		9 ⁷
C14036_CLAM			202 - 202 - 404



			90 ⁴
LED	CMT14xx		
FWHM / FWTM	19.0° / 32.0°		73*
Efficiency	90 %		
Peak intensity	6.4 cd/lm		
LEDs/each optic	1		
Light colour	White		45%
Required compone			
C13658_CLAM			400
Bender Wirth: 43			
			30° - 25° 0° - 25°
			50* A 50
LED	CMT19xx		
FWHM / FWTM	26.0° / 44.0°		75.
Efficiency	90 %		
Peak intensity	3.5 cd/lm		
LEDs/each optic	1		
Light colour	White		5° (3
Required compone	nts:		200
C13658_CLAM	P-VERO13-18		\times \land \land \times
Bender Wirth: 4	77 Typ L1		3230
			300 300
			15° 0° 15°
			90 ⁴
	CMT28xx		50 ⁺
			90*
LED	CMT28xx		50 ⁴ 75 ¹ 60 ¹
LED FWHM / FWTM Efficiency Peak intensity	CMT28xx 35.0° / 61.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White		99 ¹ 75' 60 ¹ 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 component	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAM	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: P-VERO29		27 ² 400 60 ² 60 9 ² 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: P-VERO29		27 ² 400 60 ² 60 9 ² 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAM	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: P-VERO29		27 ² 400 60 ² 60 9 ² 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAM	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: VERO29 '1 Typ L3		27 ² 400 60 ² 60 9 ² 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMf Bender Wirth: 4	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: 2-VERO29 11 Typ L3 CXA/B 15xx		27 ² 400 60 ² 60 9 ² 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAM Bender Wirth: 4 th CREE CLED LED FWHM / FWTM	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: VERO29 '1 Typ L3 CXA/B 15xx 17.0° / 30.0°		27 ² 400 60 ² 60 9 ² 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMf Bender Wirth: 4 [:] CREE (LED FWHM / FWTM Efficiency	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: VERO29 '1 Typ L3 CXA/B 15xx 17.0° / 30.0° 91 %		27 ² 400 60 ² 60 9 ² 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMf Bender Wirth: 4	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: P-VERO29 11 Typ L3 CXA/B 15xx 17.0° / 30.0° 91 % 7.6 cd/lm		27 ² 400 60 ² 60 9 ² 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF Bender Wirth: 4' CREE CLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: P-VERO29 11 Typ L3 CXA/B 15xx 17.0° / 30.0° 91 % 7.6 cd/lm 1		27 ² 400 60 ² 60 9 ² 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF Bender Wirth: 4' CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: P-VERO29 11 Typ L3 CXA/B 15xx 17.0° / 30.0° 91 % 7.6 cd/lm 1 White		27 ² 400 60 ² 60 9 ² 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF Bender Wirth: 4	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: P-VERO29 71 Typ L3 CXA/B 15xx 17.0° / 30.0° 91 % 7.6 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF Bender Wirth: 4' CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: P-VERO29 71 Typ L3 CXA/B 15xx 17.0° / 30.0° 91 % 7.6 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF Bender Wirth: 4	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: P-VERO29 71 Typ L3 CXA/B 15xx 17.0° / 30.0° 91 % 7.6 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF Bender Wirth: 4' CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CMT28xx 35.0° / 61.0° 85 % 1.7 cd/lm 1 White nts: P-VERO29 71 Typ L3 CXA/B 15xx 17.0° / 30.0° 91 % 7.6 cd/lm 1 White nts:		



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MUMIL 🥙	.EDS		90° A 90°
LED	LUXEON CoB 1204HD		
FWHM / FWTM	18.0° / 31.0°		75°
Efficiency	89 %		
Peak intensity	7.1 cd/lm		
LEDs/each optic	1		\times / / \sim ×
Light colour	White		5° (
Required compone	ents:		
TE Connectivity	: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1		
			6130
			30* 30*
OSRAN	4		30° 90°
LED	PrevaLED Core G7 L15 H1		75'
FWHM / FWTM	26.0° / 48.0°		
Efficiency	89 %		60°
Peak intensity	3.1 cd/lm		
LEDs/each optic Light colour	1 White		47° 50°
Required compone			
C16685_CLAM			2452
C 10005_CLAIVII	FKV-A		
			26° 3250 36° 36° 15°
PHILIP	S		
LED	Fortimo SLM L13 CoB		
FWHM / FWTM	24.0° / 42.0°		
Efficiency	89 %		
Peak intensity	3.9 cd/lm	and the second	
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		
TE Connectivity	: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1		
DUUU			
PHILIP	~>		90° 90°
LED	Fortimo SLM L15 + SLM holder		75*
FWHM / FWTM	26.0° / 47.0°		800
Efficiency	88 %		60° 60°
Peak intensity	3.1 cd/lm		
LEDs/each optic	1		
Light colour	White		e. e.
Required compone			202
TE Connectivity	: OPTIC CLIP Z50 TYPE1 2213194-1		
			34 335 34



PHILI	PS	90*
LED	Fortimo SLM L15 CoB	75
FWHM / FWTM	27.0° / 47.0°	
Efficiency	88 %	60° 60°
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	1600
Light colour	White	47° (1)
Required compone	ents:	
TE Connectivity	: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1	2430
		30° 3200 30
	•	135 ³ 0 ⁰ 35 ⁵
XICATO		2600
LED	XTM - 19mm LES	300
FWHM / FWTM	28.0° / 52.0°	229
F #:-:	00.0/	2999
Efficiency	89 %	1609 -
	89 % 2.6 cd/lm	1699
Peak intensity		
Peak intensity LEDs/each optic	2.6 cd/lm	100
Efficiency Peak intensity LEDs/each optic Light colour Required compone	2.6 cd/lm 1 White	100
Peak intensity LEDs/each optic Light colour	2.6 cd/lm 1 White ents:	100
Peak intensity LEDs/each optic Light colour Required compone	2.6 cd/lm 1 White ents:	



PHOTOMETRIC DATA (SIMULATED):

bridgelux.		
LED	V9 HD Gen7	
FWHM / FWTM	16.0° / 26.0°	
Efficiency	91 %	
Peak intensity	10.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:	Wine	
C13658_CLAMP-VE	RO13-18	
Bender Wirth: 496 T		
Bender Wirth. 450 T	, p = ,	
bridgelux.		50° 50°
LED	VERO13	
FWHM / FWTM	21.0° / 39.0°	$\uparrow \land \land \land \uparrow$
Efficiency	90 %	60 ⁴ 60 ⁴
Peak intensity	5.2 cd/lm	$r \vee / / \wedge \vee \gamma$
LEDs/each optic	1	
Light colour	White	57 520 57°
Required components:		
C13658_CLAMP-VE	R013-18	
		30* 30*
		15° 0° 35°
CITIZEN		90* A 90*
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	16.0° / 30.0°	23.
Efficiency	87 %	
Peak intensity	8.8 cd/lm	60 ² 800
LEDs/each optic	1	
Light colour	White	9°
Required components:		6630
C13658_CLAMP-VE	R013-18	
Bender Wirth: 434 T		
		30° 10° 30°
		2000 T
	CXA/B 1816 & CXA/B 1820 & CXA 1850	699
FWHM / FWTM	19.0° / 34.0°	1000
Efficiency	89 %	1530
Peak intensity	6.5 cd/lm	••••
LEDs/each optic	1 White	5000
Light colour	White	
Deguired errors of		2599
Required components:		200 -
Required components: C14123_CLAMP-C>		20



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 200

PHOTOMETRIC DATA (SIMULATED):

LED	CXA/B 25xx
FWHM / FWTM	25.0° / 47.0°
Efficiency	85 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C14036_CLAMP_C>	(A25-30

UMILEDS

LED	LUXEON CoB 1205HD	
FWHM / FWTM	19.0° / 33.0°	
Efficiency	86 %	
Peak intensity	6.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
C13658_CLAMP-VERO13-18		
Bender Wirth: 480 Typ	5 L1	

 LED
 CTM-18 (Tunable White)

 FWHM / FWTM
 23.0° / 47.0°

 Efficiency
 78 %

 Peak intensity
 3.1 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 C13658_CLAMP-VEROT3-18



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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