

MOLLY-S

~25° spot beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.8 mm
Height	24.8 mm
Fastening	
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	9.7 kg
Quantity in Box	198 pcs
ROHS compliant	yes 🛈

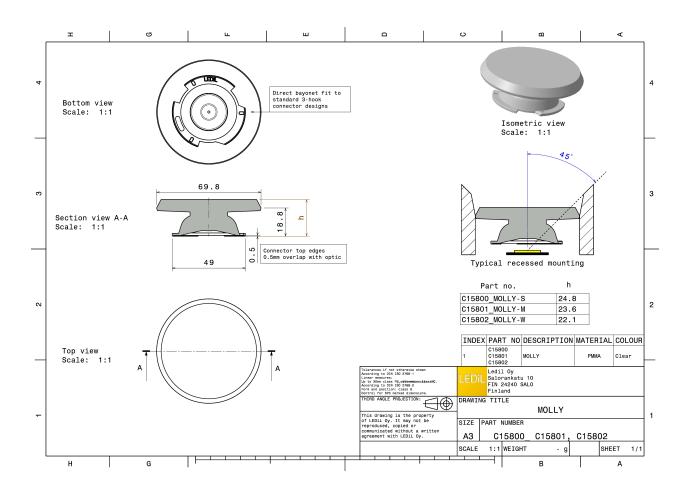


PRODUCT DATASHEET C15800_MOLLY-S

MATERIAL SPECIFICATIONS:

Component MOLLY-S **Type** Single lens **Material** PMMA Colour clear

PRODUCT DATASHEET C15800_MOLLY-S





PHOTOMETRIC DATA (MEASURED):

bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16402_CLAW	White	94" 75" 64" 550 54 54 54 54 55 55 55 55 55 55 55 55 55
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16402_CLAM	White	
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16791_CLAM TE: 2325807-3	CLL03x/CLU03x 24.0° 88 % 3.500 cd/lm 1 White ents: IP-Z45-A	91 92 93 94 95 95 95 95 95 95 95 95 95 95 95 95 95
CITUZED ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: 4	CLL03x/CLU03x 23.0° 87 % 3.870 cd/lm 1 White tents:	200 200 200 200 200 200 200 200 200 200

Last update: 26/10/2019Subject to change without prior noticePublished: 03/05/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.3/11



PHOTOMETRIC DATA (MEASURED):

CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14123_CLAM	CMA1840 26.0° 91 % 3.500 cd/lm 1 White ents:	9 9 9	00
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14036_CLAM	CMA2550 32.0° 89 % 2.200 cd/lm 1 White ents:		
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C14036_CLAM	CMA3090 37.0° 86 % 1.600 cd/lm 1 White ents:		
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13658_CLAM Bender Wirth: 4	CMT14xx 19.0° 90 % 6.400 cd/lm 1 White ents: P-VERO13-18		0 0 0 0 0 0 0 0 0 0 0 0 0 0

Last update: 26/10/2019Subject to change without prior noticePublished: 03/05/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.4/11



PHOTOMETRIC DATA (MEASURED):

CREE \$		90° A 50°
LED	CMT19xx	
FWHM	26.0°	75* 75*
Efficiency	90 %	
Peak intensity	3.506 cd/lm	
LEDs/each optic		- 1690
Light colour	White	43° 43°
Required compor		2000
C13658_CLAM		
Bender Wirth:		
		30*
CREE \$		0 ⁺
		90° 90°
LED	CMT28xx	75'
FWHM	35.0°	400
Efficiency	85 %	607 607
Peak intensity	1.700 cd/lm	
LEDs/each optic		
Light colour	White	
Required compor		1200
C13584_CLAM		
Bender Wirth:	471 Typ L3	1630
		36*
1		15° 0° 15°
CREE -		20° 0 ⁰ 25°
		90,* 90, 222, 0, 722,
LED	CXA/B 15xx	25 ⁴ 0 ⁴ 15 ⁷
LED FWHM	CXA/B 15xx 17.0°	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM Efficiency	CXA/B 15xx 17.0° 91 %	Ex. 22. 25. 25. 28. 25. 25. 25. 28. 25. 37. 37.
LED FWHM Efficiency Peak intensity	CXA/B 15xx 17.0° 91 % 7.600 cd/lm	220 220 32 320 32 320 32 320 32 320
LED FWHM Efficiency Peak intensity LEDs/each optic	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White	25 ⁴ 6 ⁴ 77 6 ⁴ 77 77 77 77 77 77 77 77 77 7
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents:	e7 (630)
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents:	e7 (630)
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents:	¢7 450
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents: IP-CXA15-18	e7 400 e7
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAM	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents: IP-CXA15-18	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAM	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents: IP-CXA15-18	30 ⁴ 20 ⁴ 600 600 600 600
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAN	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents: IP-CXA15-18 EDS LUXEON CoB 1204HD 18.0° 89 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAM	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White nents: IP-CXA15-18 EDS LUXEON CoB 1204HD 18.0° 89 % 7.140 cd/lm	30 ⁴ 20 ⁴ 600 600 600 600
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAM	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White nents: IP-CXA15-18 EDS LUXEON CoB 1204HD 18.0° 89 % 7.140 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAM	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents: IP-CXA15-18 EDS LUXEON CoB 1204HD 18.0° 89 % 7.140 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAM CLED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents: IP-CXA15-18 EDS LUXEON CoB 1204HD 18.0° 89 % 7.140 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAM CLED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents: IP-CXA15-18 EDS LUXEON CoB 1204HD 18.0° 89 % 7.140 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAM CLED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents: IP-CXA15-18 EDS LUXEON CoB 1204HD 18.0° 89 % 7.140 cd/lm 1 White hents:	34° 25° 6630 6630 6630 6630 6630 6630 6630
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAM CLED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 15xx 17.0° 91 % 7.600 cd/lm 1 White hents: IP-CXA15-18 EDS LUXEON CoB 1204HD 18.0° 89 % 7.140 cd/lm 1 White hents:	34° 25° 6630 6630 6630 6630 6630 6630 6630



PHOTOMETRIC DATA (MEASURED):

OSRAM LED PrevaLED Core G7 L15 H1 FWHM 26.0° 89 % Efficiency Peak intensity 3.100 cd/lm LEDs/each optic 1 Light colour White Required components: C16685_CLAMP-PRV-A PS P LED Fortimo SLM L13 CoB FWHM 24.0° 89 % Efficiency Peak intensity 3.900 cd/lm LEDs/each optic 1 White Light colour Required components: TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 PHILIPS 9 LED Fortimo SLM L15 + SLM holder FWHM 26.0° Efficiency 88 % Peak intensity 3.100 cd/lm LEDs/each optic 1 Light colour White Required components: TE: OPTIC CLIP Z50 TYPE1 2213194-1 **PHILIPS** 90 LED Fortimo SLM L15 CoB FWHM 27.0° Efficiency 88 % Peak intensity 3.100 cd/lm LEDs/each optic 1 White Light colour Required components: TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1

Last update: 26/10/2019Subject to change without prior noticePublished: 03/05/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.6/11

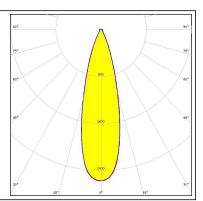


PHOTOMETRIC DATA (MEASURED):

XICATO

LED	XTM - 19mm LES
FWHM	28.0°
Efficiency	89 %
Peak intensity	2.600 cd/lm
LEDs/each optic	1
Light colour	White
Required compon	ents:
C16491_XTM-/	ADAPTER-50-A







PHOTOMETRIC DATA (SIMULATED):

bridgelux.		
LED	V9 HD	
FWHM	16.0°	
Efficiency	91 %	
Peak intensity	10.814 cd/lm	
LEDs/each optic 1		
-	nite	
Required component		
C13658_CLAMP-\		
Bender Wirth: 496	Typ L1	
bridgelux.		90* 90*
LED	VERO13	
FWHM	21.0°	75. 751
Efficiency	90 %	
Peak intensity	5.200 cd/lm	60°
LEDs/each optic 1	0.200 60/111	
	nite	gar 3300 are
Required component		
C13658_CLAMP-\		
C13030_CLAWF-	EK013-16	
		30° 33° 33°
CITIZEN		
CITIZEN		90*
LED	CLL02x/CLU02x (LES10)	94* 25*
LED FWHM	16.0°	<u>50*</u> <u>35</u> <u>57</u>
LED FWHM Efficiency	16.0° 87 %	90 ⁴ 90 ⁷ 75 ⁷ 60 ⁴ 200 60 ⁴
LED FWHM Efficiency Peak intensity	16.0°	99 ⁴ 99 ² 75 ² 60 ⁴ 300 60 ²
LED FWHM Efficiency Peak intensity LEDs/each optic 1	16.0° 87 % 8.780 cd/lm	90° 90° 75' 500 60° 60°
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W	16.0° 87 % 8.780 cd/lm nite	99 ¹ 97 75 69 ¹ 300 69 ² 69 ²
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component	16.0° 87 % 8.780 cd/lm nite s:	91 ⁴ 917 91 ⁴ 917 91 ⁴ 917 91 ⁴ 917
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W	16.0° 87 % 8.780 cd/lm nite s:	50° 50° 60° 60° 60° 60° 60° 60° 60° 60° 60° 6
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component	16.0° 87 % 8.780 cd/lm nite s:	50 ¹ 50 ¹ 5
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component	16.0° 87 % 8.780 cd/lm nite s:	99 ¹ 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component Bender Wirth: 434	16.0° 87 % 8.780 cd/lm nite s:	200 200 200 200 200 200 200 200
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component Bender Wirth: 434	16.0° 87 % 8.780 cd/lm nite s: Typ L1	30.4 30.4 30.4 30.5 30.4 30.0 30.4 30.0 30.4 30.0
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component Bender Wirth: 434	16.0° 87 % 8.780 cd/lm nite s: Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850	32 32 33 32 34 32 35 32
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component Bender Wirth: 434	16.0° 87 % 8.780 cd/lm hite s: Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 19.0°	25 20 25 25 25 25 25 25 25 25 25 25
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component Bender Wirth: 434	16.0° 87 % 8.780 cd/lm hite s: Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 19.0° 89 %	60° 100 100 100 100 100 100 100 1
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component Bender Wirth: 434	16.0° 87 % 8.780 cd/lm hite s: Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 19.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W/ Required component Bender Wirth: 434 Ender Wirth: 434	16.0° 87 % 8.780 cd/lm hite s: Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 19.0° 89 % 6.450 cd/lm	50 50 50 50 50 50 50 50 50 50
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component Bender Wirth: 434 CREE ED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W	16.0° 87 % 8.780 cd/lm nite s: Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 19.0° 89 % 6.450 cd/lm nite	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W/ Required component Bender Wirth: 434 CREE LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W/ Required component	16.0° 87 % 8.780 cd/lm nite s: Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 19.0° 89 % 6.450 cd/lm nite s:	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component Bender Wirth: 434 CREE ED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W	16.0° 87 % 8.780 cd/lm nite s: Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 19.0° 89 % 6.450 cd/lm nite s:	97 97 97 97 97 90 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W/ Required component Bender Wirth: 434 CREE LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W/ Required component	16.0° 87 % 8.780 cd/lm nite s: Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 19.0° 89 % 6.450 cd/lm nite s:	51 100 102 102 102 102 102 102 102 102 10
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W/ Required component Bender Wirth: 434 CREE LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W/ Required component	16.0° 87 % 8.780 cd/lm nite s: Typ L1 CXA/B 1816 & CXA/B 1820 & CXA 1850 19.0° 89 % 6.450 cd/lm nite s:	97 97 97 97 97 90 97 97 97 97 97 97 97 97 97 97 97 97 97



PHOTOMETRIC DATA (SIMULATED):

CREE ≑ LED CXA/B 25xx FWHM 25.0° 85 % Efficiency Peak intensity 3.500 cd/lm LEDs/each optic 1 Light colour White Required components: C14036_CLAMP_CXA25-30 LED LUXEON CoB 1205HD FWHM 19.0° 86 % Efficiency Peak intensity 6.836 cd/lm LEDs/each optic 1 White Light colour Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 480 Typ L1 TRIDONIC LED SLE G6 LES15 H D50 FWHM 23.0° Efficiency 82 % Peak intensity 0.000 cd/lm LEDs/each optic 1 Light colour White Required components: TE: OPTIC CLIP Z50 TYPE1 2213194-1 TRIDONIC LED SLE G6 LES17 H FWHM 27.0° Efficiency 85 % 3.700 cd/lm Peak intensity LEDs/each optic 1 White Light colour Required components: TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

 LED
 SLE G6 LES19 H

 FWHM
 26.0°

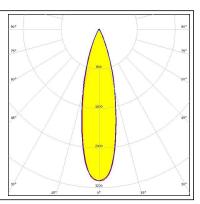
 Efficiency
 81 %

 Peak intensity
 3.070 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 TE: OPTIC CLIP Z50 TYPE1 2213194-1





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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/

where_to_buy

Last update: 26/10/2019Subject to change without prior noticePublished: 03/05/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.11/11