

MOLLY-S

~25° spot beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.8 mm
Height	24.8 mm
ROHS compliant	yes ⓘ

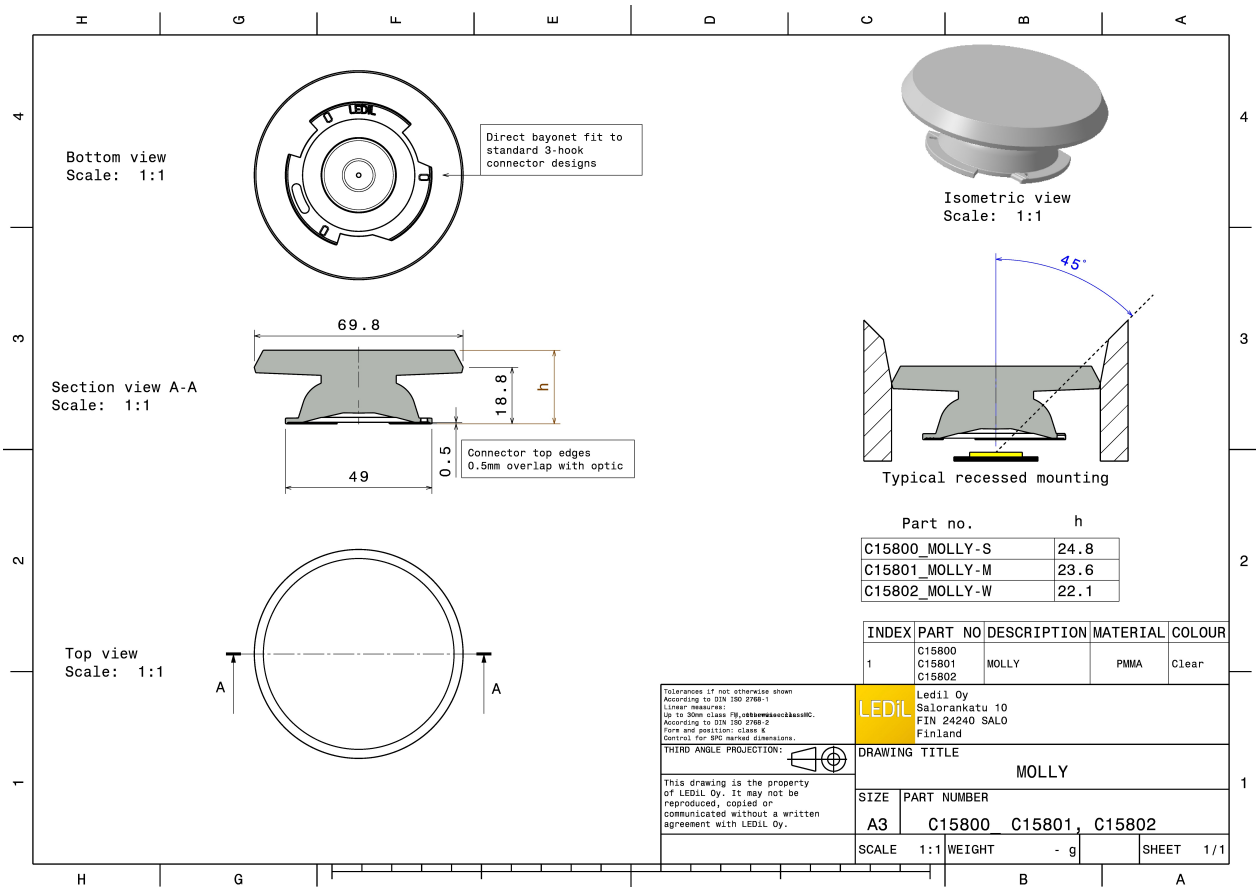
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15800_MOLLY-S » Box size: 480 x 280 x 300 mm	198	36	18	9.7



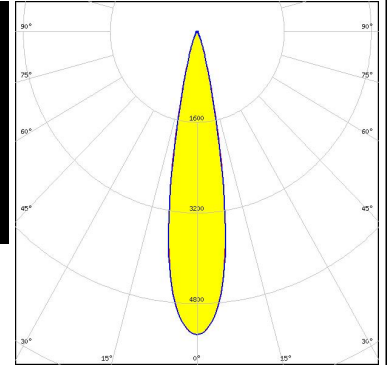


See also our general installation guide: www.ledil.com/installation_guide

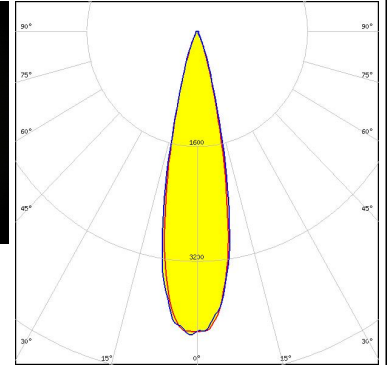
PHOTOMETRIC DATA (MEASURED):



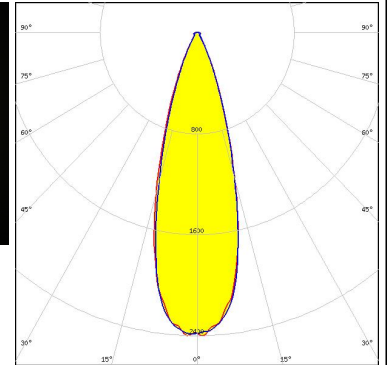
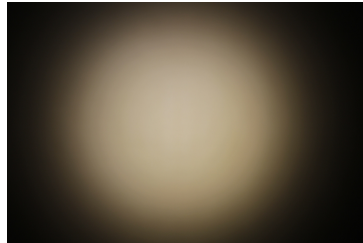
LED V11 HD Gen 8
FWHM / FWTM 21.0° / 36.0°
Efficiency 91 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 633d 3Hook



LED Vero SE 13
FWHM / FWTM 23.0° / 40.0°
Efficiency 90 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16402_CLAMP-VEROSE-13-18

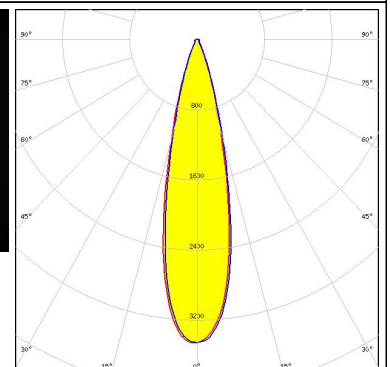
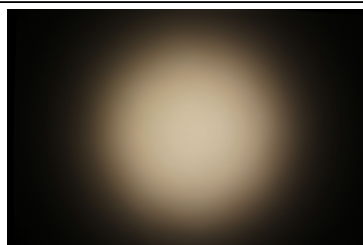


LED Vero SE 18
FWHM / FWTM 31.0° / 54.0°
Efficiency 88 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16402_CLAMP-VEROSE-13-18



CITIZEN

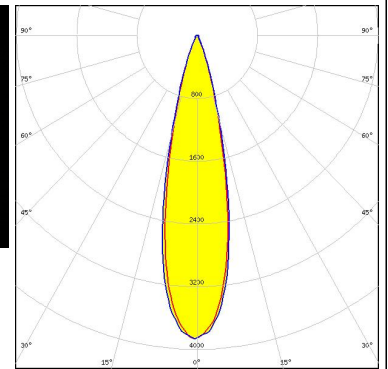
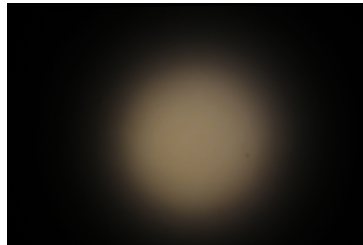
LED CLL03x/CLU03x
FWHM / FWTM 24.0° / 45.0°
Efficiency 88 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16791_CLAMP-Z45-A
TE Connectivity: 2325807-3



PHOTOMETRIC DATA (MEASURED):

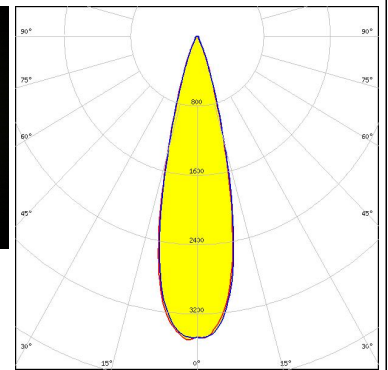
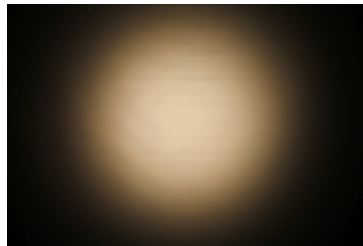
CITIZEN

LED CLL03x/CLU03x
FWHM / FWTM 23.0° / 42.0°
Efficiency 87 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 433 Typ L1



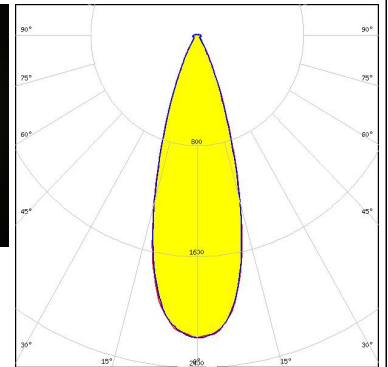
CREE LED

LED CMA1840
FWHM / FWTM 26.0° / 44.0°
Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



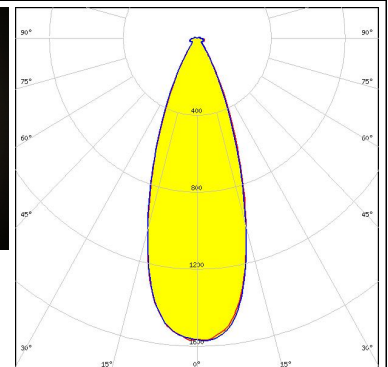
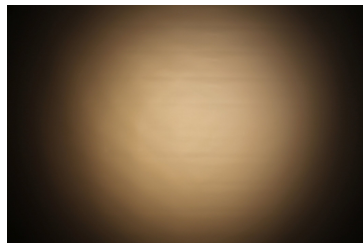
CREE LED

LED CMA2550
FWHM / FWTM 32.0° / 56.0°
Efficiency 89 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



CREE LED

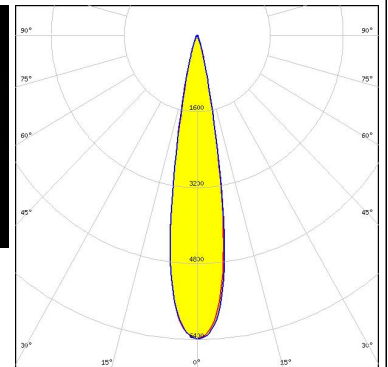
LED CMA3090
FWHM / FWTM 37.0° / 64.0°
Efficiency 86 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



PHOTOMETRIC DATA (MEASURED):

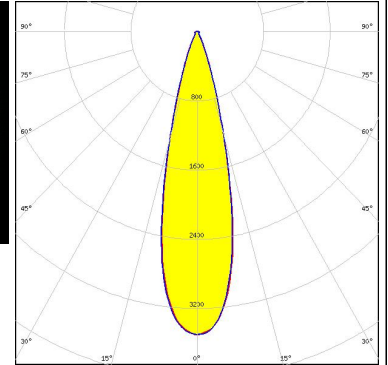
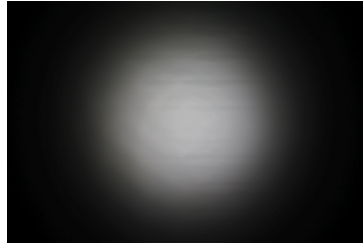
CREE LED

LED CMT14xx
FWHM / FWTM 19.0° / 32.0°
Efficiency 90 %
Peak intensity 6.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



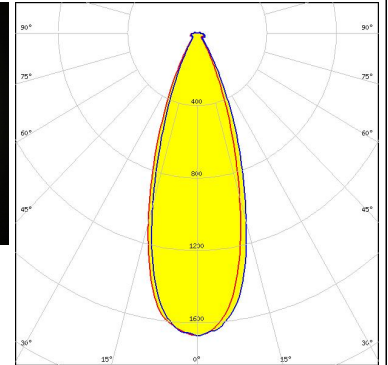
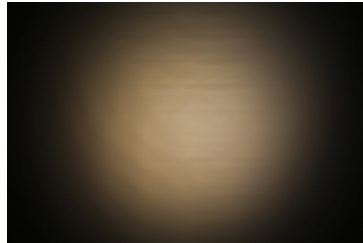
CREE LED

LED CMT19xx
FWHM / FWTM 26.0° / 44.0°
Efficiency 90 %
Peak intensity 3.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1



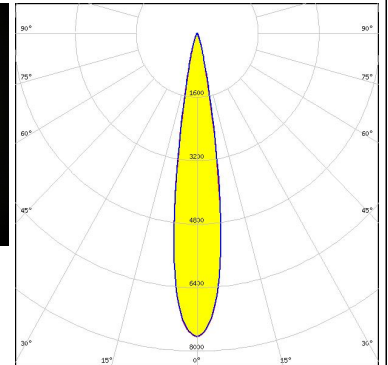
CREE LED

LED CMT28xx
FWHM / FWTM 35.0° / 61.0°
Efficiency 85 %
Peak intensity 1.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 471 Typ L3



CREE LED

LED CXA/B 15xx
FWHM / FWTM 17.0° / 30.0°
Efficiency 91 %
Peak intensity 7.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



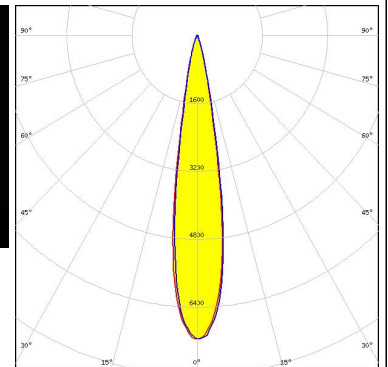
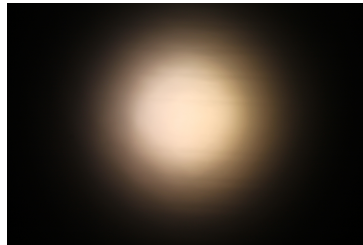
PHOTOMETRIC DATA (MEASURED):



LED LUXEON CoB 1204HD
FWHM / FWTM 18.0° / 31.0°
Efficiency 89 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

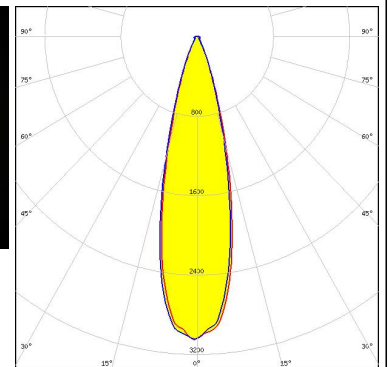
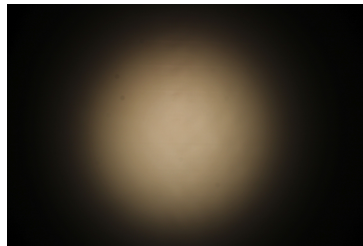
TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED PrevaLED Core G7 L15 H1
FWHM / FWTM 26.0° / 48.0°
Efficiency 89 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

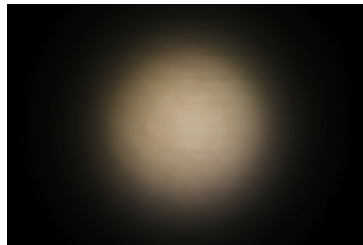
C16685_CLAMP-PRV-A



LED Fortimo SLM L13 CoB
FWHM / FWTM 24.0° / 42.0°
Efficiency 89 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White

Required components:

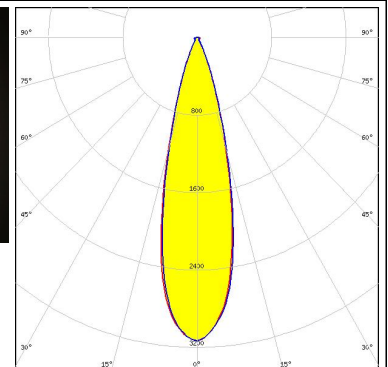
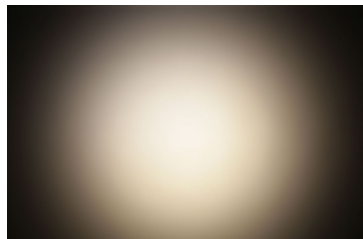
TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED Fortimo SLM L15 + SLM holder
FWHM / FWTM 26.0° / 47.0°
Efficiency 88 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



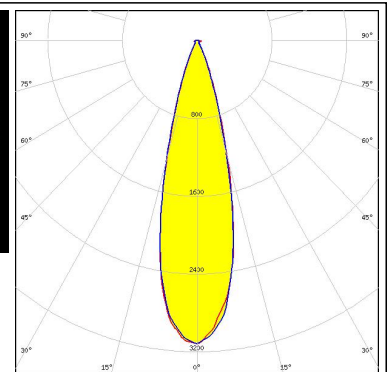
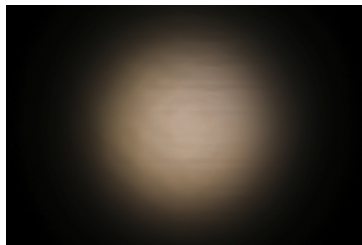
PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo SLM L15 CoB
FWHM / FWTM 27.0° / 47.0°
Efficiency 88 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1

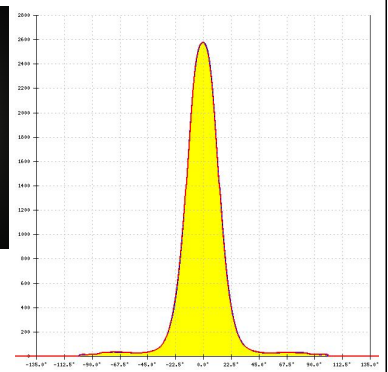
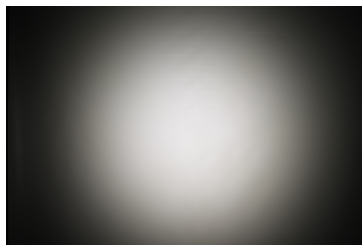


XICATO

LED XTM - 19mm LES
FWHM / FWTM 28.0° / 52.0°
Efficiency 89 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

C16491_XTM-ADAPTER-50-A



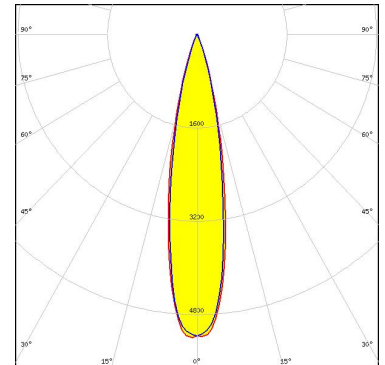
PHOTOMETRIC DATA (SIMULATED):



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:
C13658_CLAMP-VERO13-18
Bender Wirth: 496 Typ L1

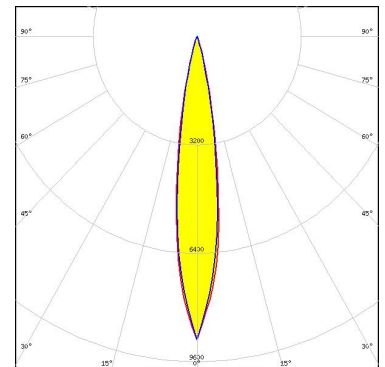


LED VERO13
FWHM / FWTM 21.0° / 39.0°
Efficiency 90 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18

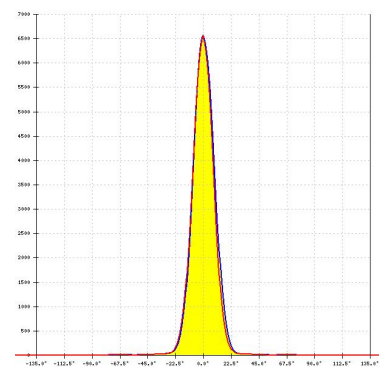


CITIZEN

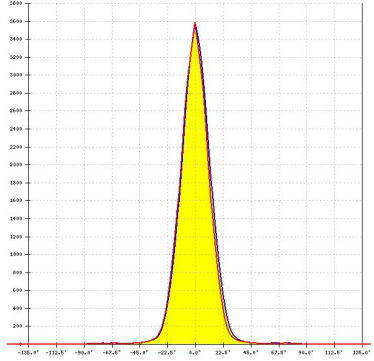
LED CLL02x/CLU02x (LES10)
FWHM / FWTM 16.0° / 30.0°
Efficiency 87 %
Peak intensity 8.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM 19.0° / 34.0°
Efficiency 89 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



PHOTOMETRIC DATA (SIMULATED):

CREE LED			
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_CXA25-30			
LUMILEDS			
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 L1			
LUMINUS			
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-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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