

MOLLY-S

~25° spot beam

SPECIFICATION:

Dimensions	Ø 69.8 mm
Height	24.8 mm
ROHS compliant	yes ⓘ

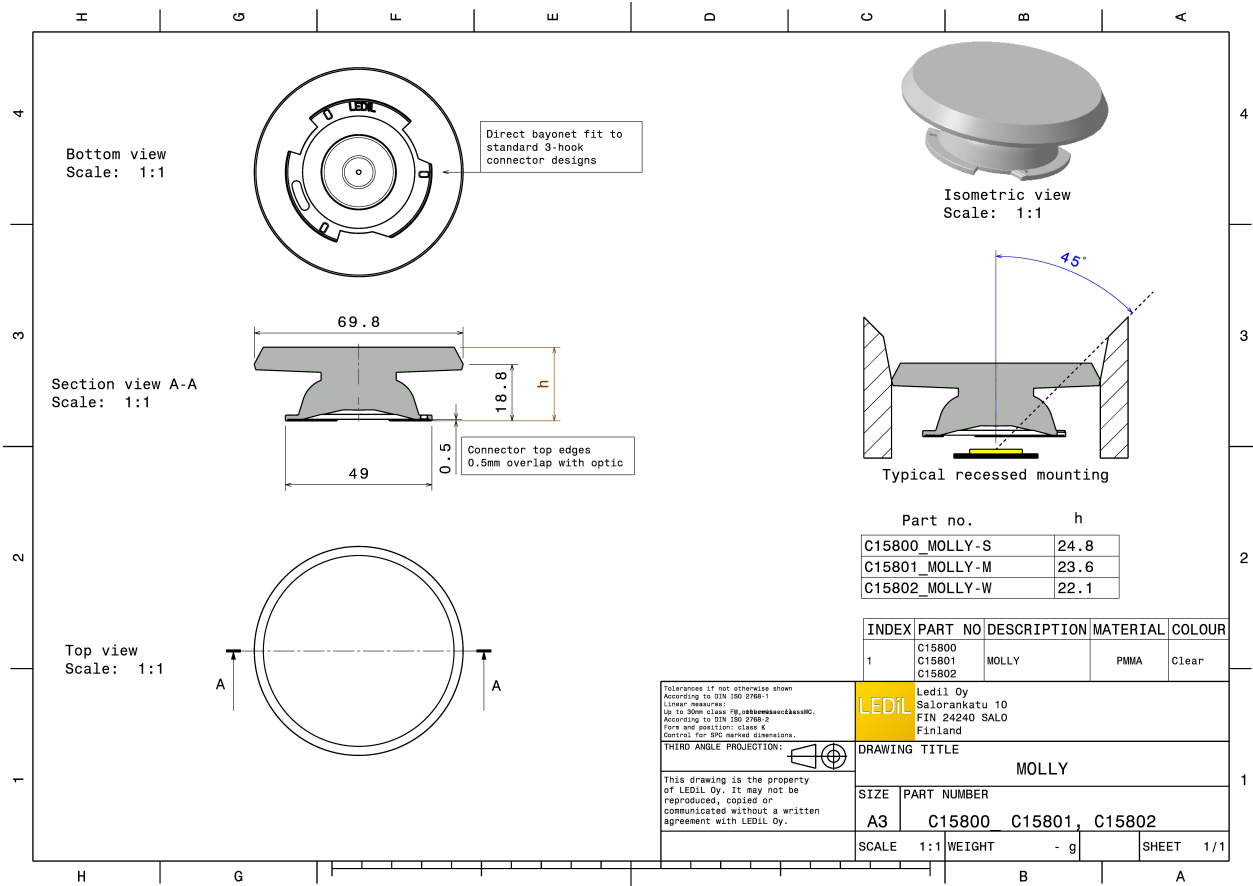
MATERIALS:

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





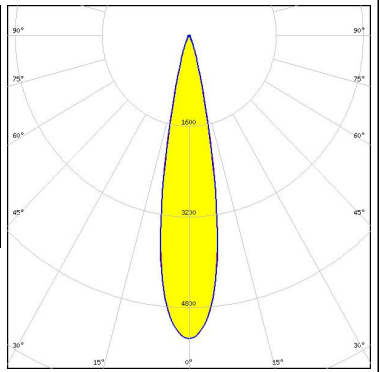


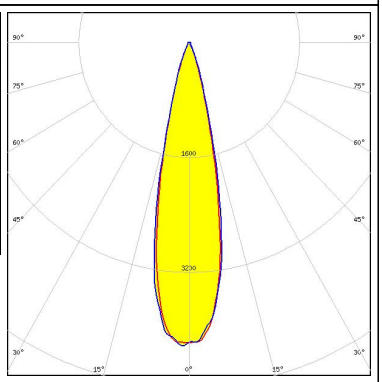


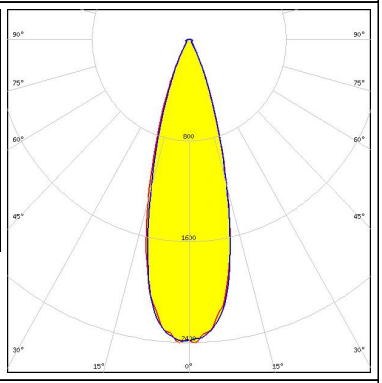

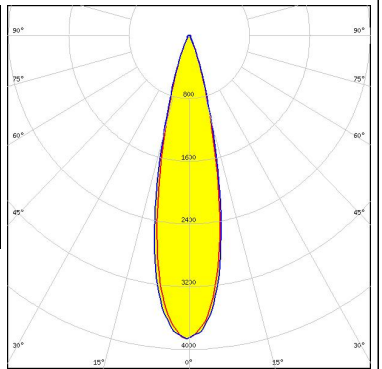
ORDERING INFORMATION:

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

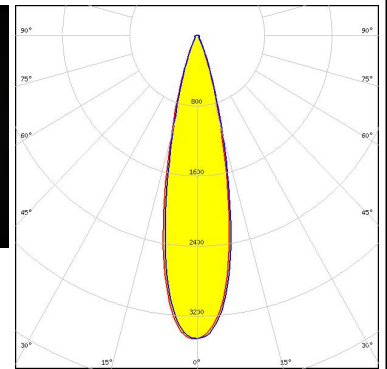
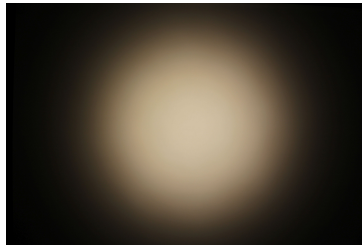
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V11 HD Gen 8</p> <p>FWHM / FWTM 21.0° / 36.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 5.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 633d 3Hook</p>		
<p></p> <p>LED Vero SE 13</p> <p>FWHM / FWTM 23.0° / 40.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16402_CLAMP-VEROSE-13-18</p>		
<p></p> <p>LED Vero SE 18</p> <p>FWHM / FWTM 31.0° / 54.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16402_CLAMP-VEROSE-13-18</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x</p> <p>FWHM / FWTM 23.0° / 42.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 3.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 433 Typ L1</p>		

OPTICAL RESULTS (MEASURED):

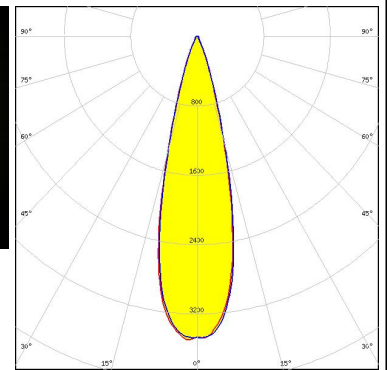
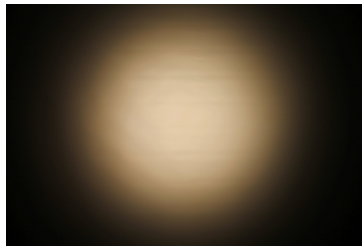
CITIZEN

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



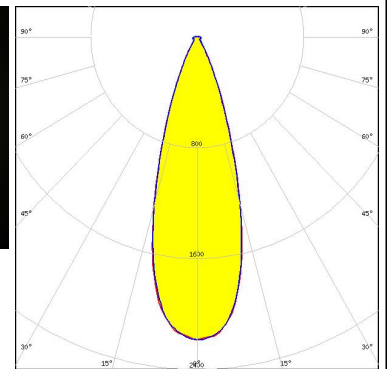
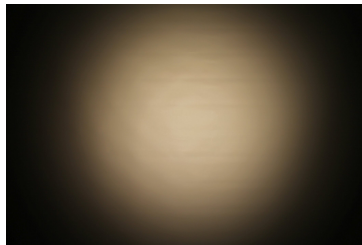
CREE LEDs

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



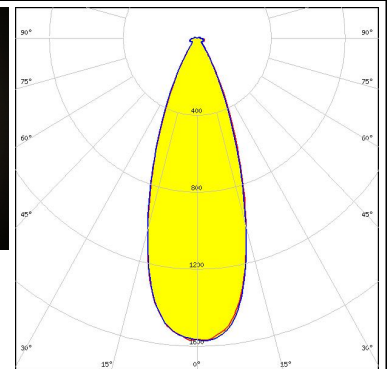
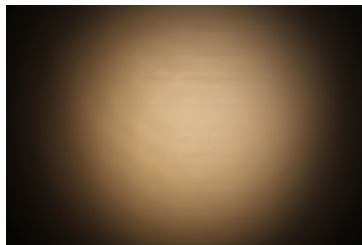
CREE LEDs

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


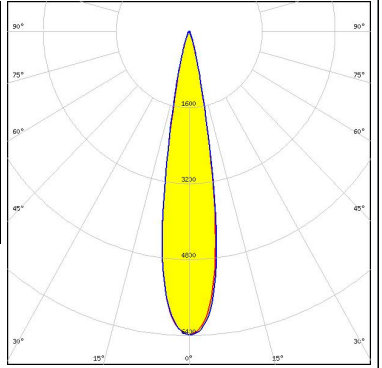
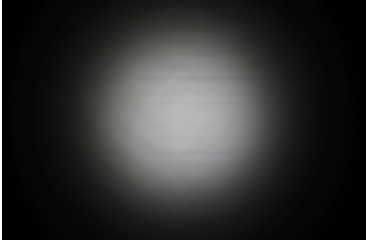
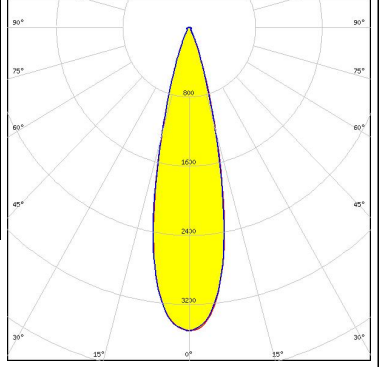
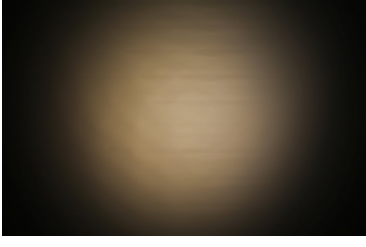
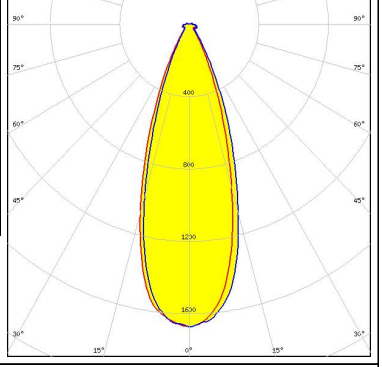

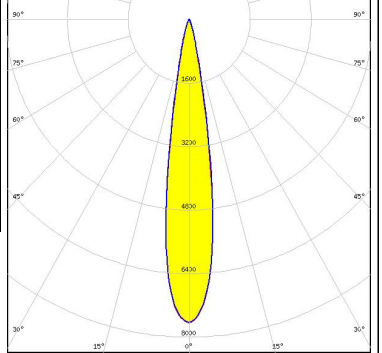


CREE LEDs


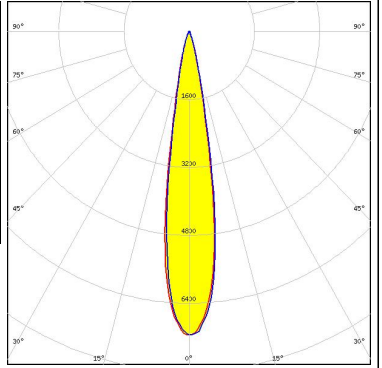

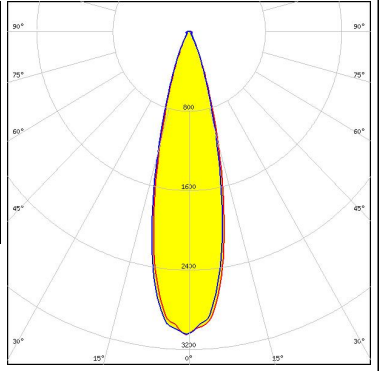
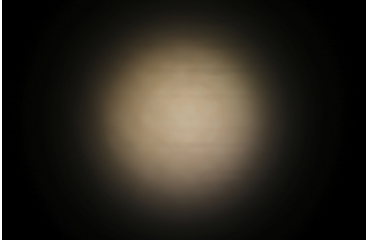
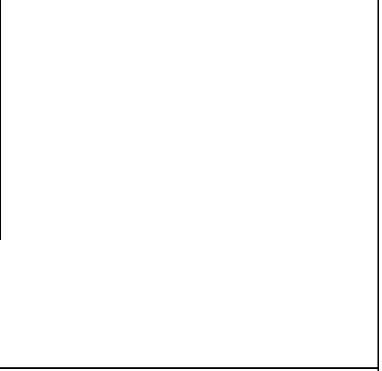
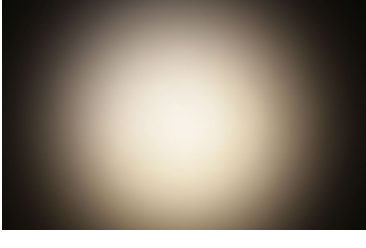
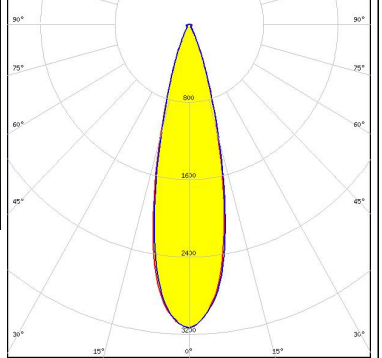
LED CMA3090
 FWHM / FWTM 37.0° / 64.0°
 Efficiency 86 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30



OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED CMT14xx FWHM / FWTM 19.0° / 32.0° Efficiency 90 % Peak intensity 6.4 cd/m LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 434 Typ L1</p>		
<p>CREE LEDs</p> <p>LED CMT19xx FWHM / FWTM 26.0° / 44.0° Efficiency 90 % Peak intensity 3.5 cd/m LEDs/each optic 1 Light colour White Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 477 Typ L1</p>		
<p>CREE LEDs</p> <p>LED CMT28xx FWHM / FWTM 35.0° / 61.0° Efficiency 85 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White Required components: C13584_CLAMP-VERO29 Bender Wirth: 471 Typ L3</p>		
<p>CREE LEDs</p> <p>LED CXA/B 15xx FWHM / FWTM 17.0° / 30.0° Efficiency 91 % Peak intensity 7.6 cd/m LEDs/each optic 1 Light colour White Required components: C14123_CLAMP-CXA15-18</p>		

OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1204HD FWHM / FWTM 18.0° / 31.0° Efficiency 89 % Peak intensity 7.1 cd/m LEDs/each optic 1 Light colour White Required components: TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>OSRAM</p> <p>LED PrevaLED Core G7 L15 H1 FWHM / FWTM 26.0° / 48.0° Efficiency 89 % Peak intensity 3.1 cd/m LEDs/each optic 1 Light colour White Required components: C16685_CLAMP-PRV-A</p>		
<p>PHILIPS</p> <p>LED Fortimo SLM L13 CoB FWHM / FWTM 24.0° / 42.0° Efficiency 89 % Peak intensity 3.9 cd/m LEDs/each optic 1 Light colour White Required components: TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>		
<p>PHILIPS</p> <p>LED Fortimo SLM L15 + SLM holder FWHM / FWTM 26.0° / 47.0° Efficiency 88 % Peak intensity 3.1 cd/m LEDs/each optic 1 Light colour White Required components: TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1</p>		

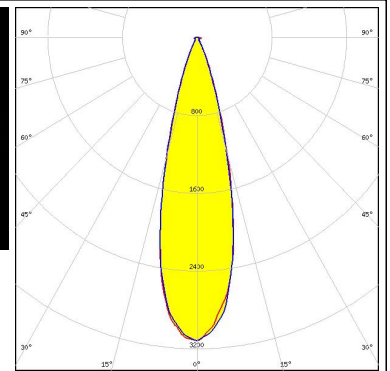
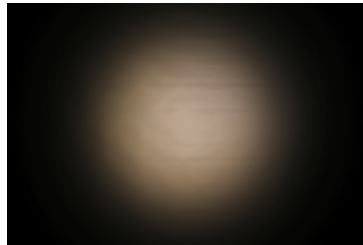
OPTICAL RESULTS (MEASURED):

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

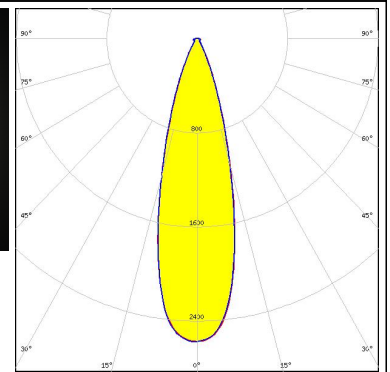
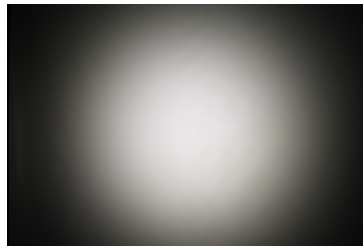


XICATO

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:

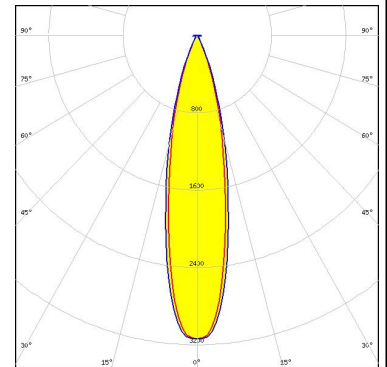
C16491_XTM-ADAPTER-50-A



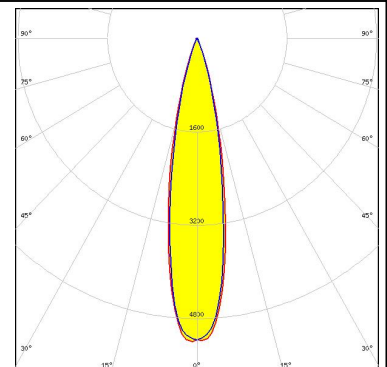
OPTICAL RESULTS (SIMULATED):



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

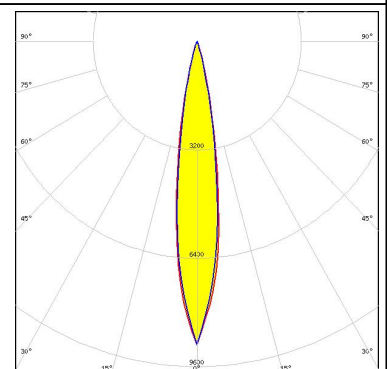


LED VERO13
FWHM / FWTM 21.0° / 39.0°
Efficiency 90 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C13658_CLAMP-VERO13-18

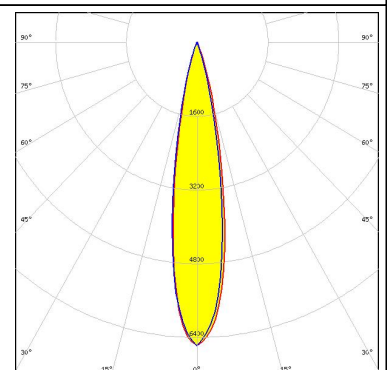


CITIZEN

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



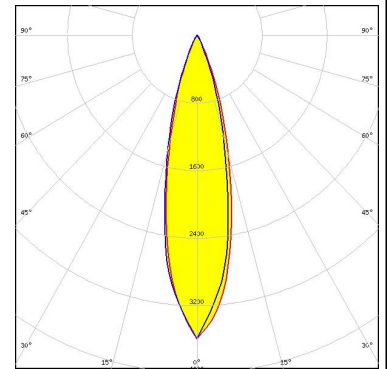
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM 19.0° / 34.0°
Efficiency 89 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14123_CLAMP-CXA15-18



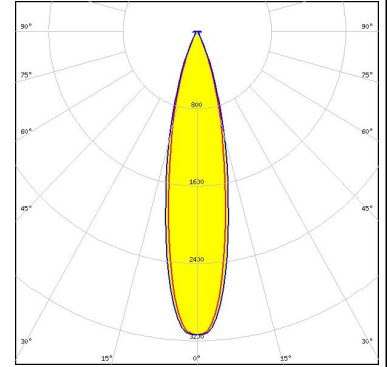
OPTICAL RESULTS (SIMULATED):



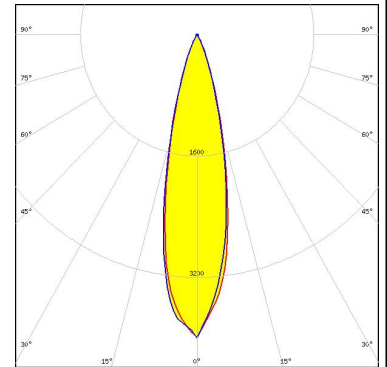
LED CXA/B 25xx
 FWHM / FWTM 25.0° / 47.0°
 Efficiency 85 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14036_CLAMP_CXA25-30



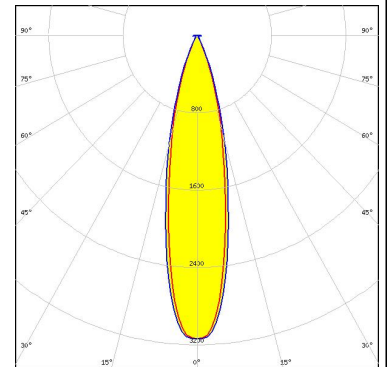
LED LUXEON CoB 1205HD
 FWHM / FWTM 19.0° / 33.0°
 Efficiency 86 %
 Peak intensity 6.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 480 Typ L1



LED LUXEON CoB 1208
 FWHM / FWTM 24.0° / 44.0°
 Efficiency 87 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 632a 3Hook



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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