

MOLLY-M

~35° medium beam

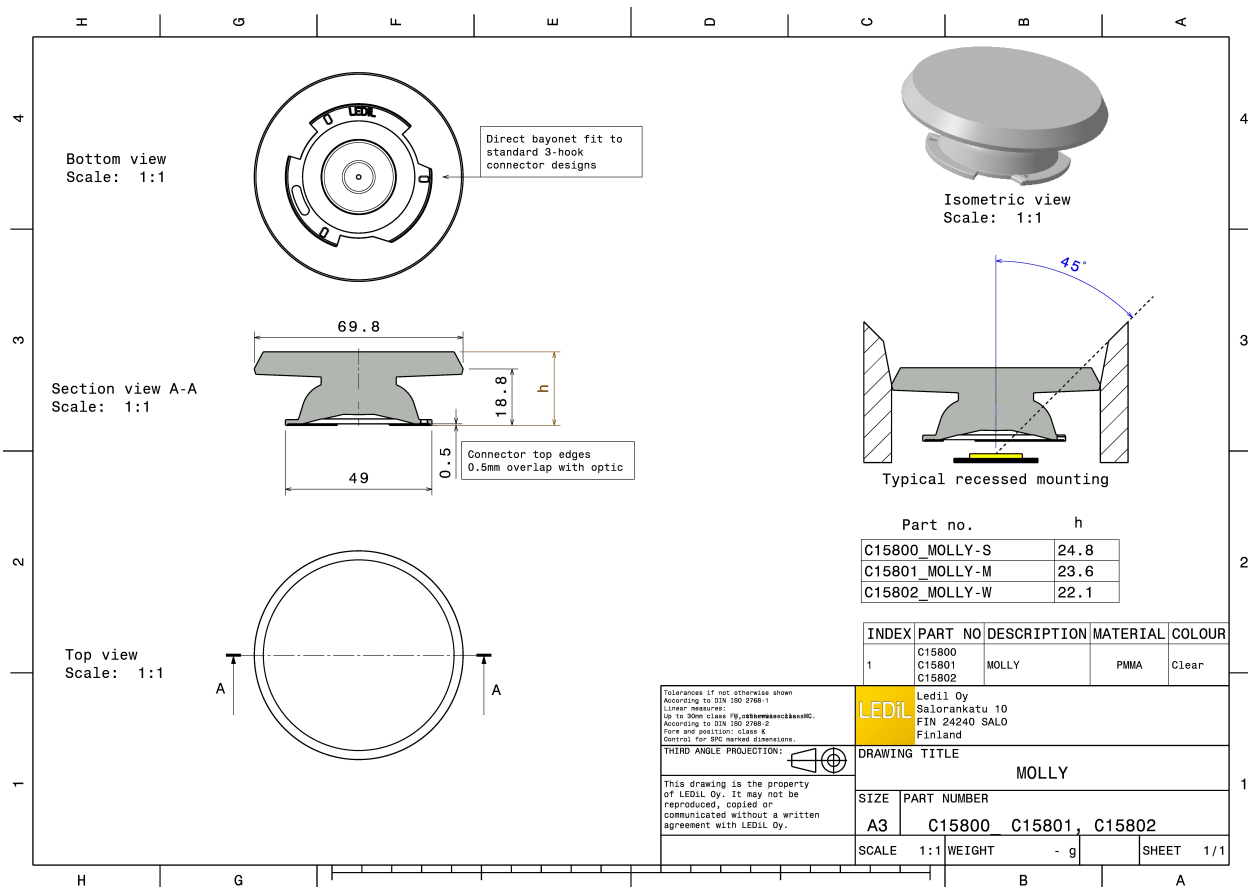
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.8 mm
Height	23.6 mm
Fastening	
Colour	clear
Box size	476 x 273 x 292 mm
Box weight	9 kg
Quantity in Box	198 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

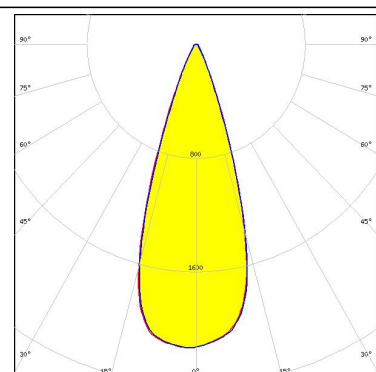
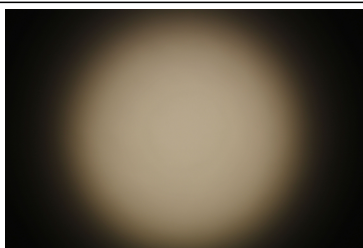
Component	Type	Material	Colour
MOLLY-M	Single lens	PMMA	clear



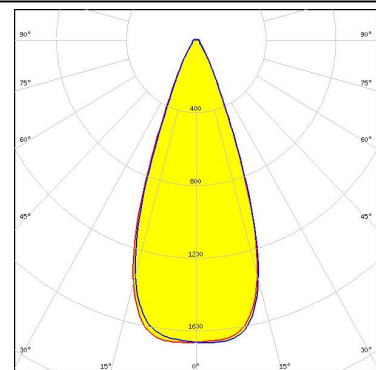
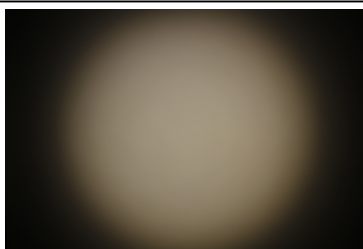
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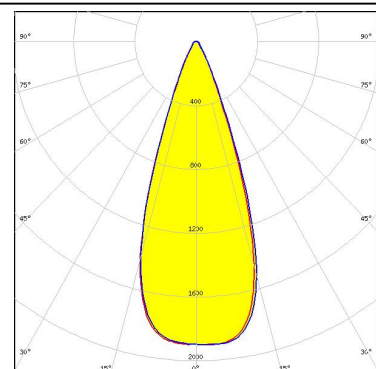
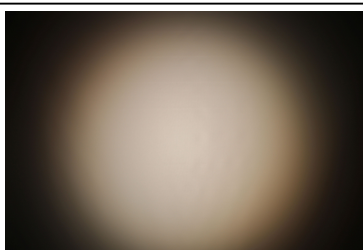
LED Vero SE 13
FWHM 36.0°
Efficiency 90 %
Peak intensity 2.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16402_CLAMP-VEROSE-13-18



LED Vero SE 18
FWHM 40.0°
Efficiency 89 %
Peak intensity 1.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16402_CLAMP-VEROSE-13-18

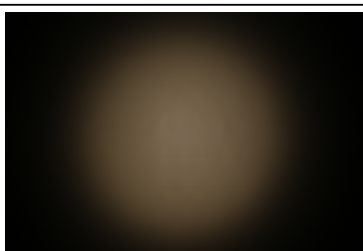


LED Vesta TW 15mm DP
FWHM 38.0°
Efficiency 90 %
Peak intensity 1.904 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 482 Typ L2



CITIZEN

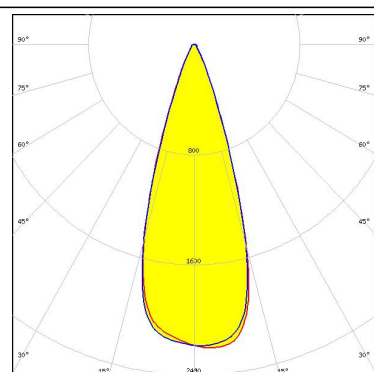
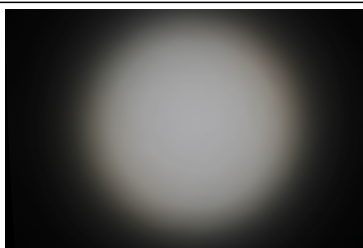
LED CLL03x/CLU03x
FWHM 36.0°
Efficiency 89 %
Peak intensity 2.060 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 433 Typ L1



PHOTOMETRIC DATA (MEASURED):

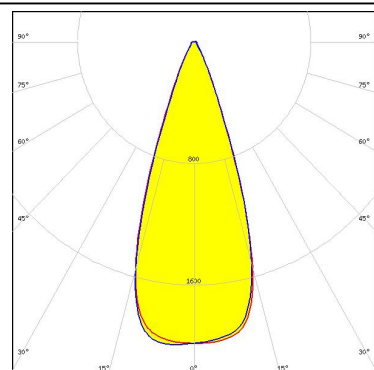
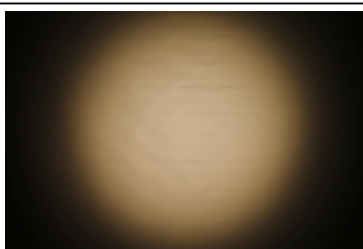
CITIZEN

LED LCN-C02B (Tunable White)
FWHM 35.0°
Efficiency 89 %
Peak intensity 2.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 481 Typ L2



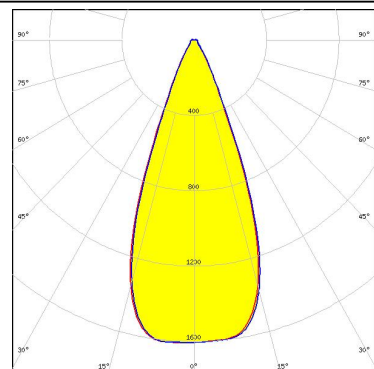
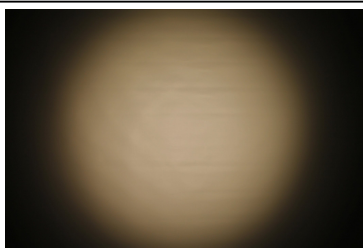
CREE

LED CMA1840
FWHM 37.0°
Efficiency 91 %
Peak intensity 2.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



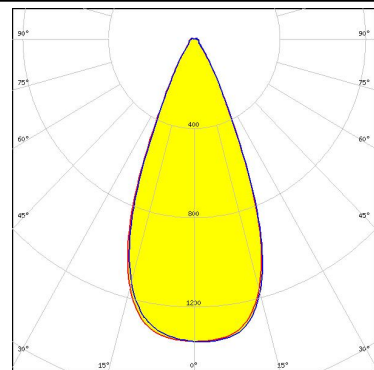
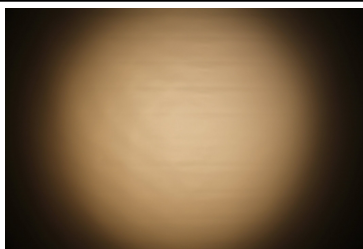
CREE

LED CMA2550
FWHM 42.0°
Efficiency 89 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



CREE

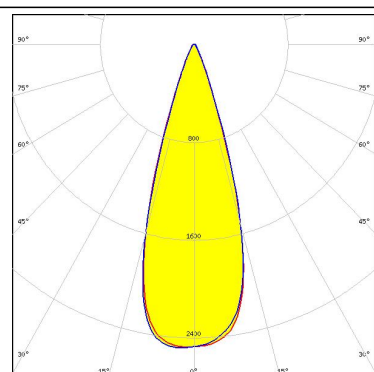
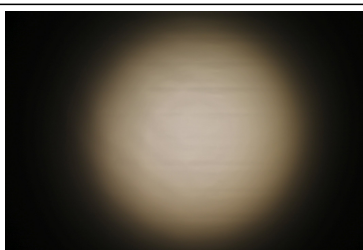
LED CMA3090
FWHM 45.0°
Efficiency 88 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



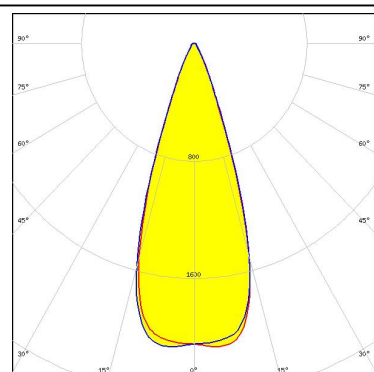
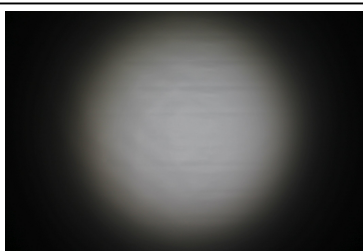
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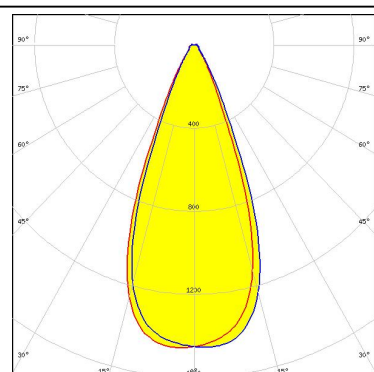
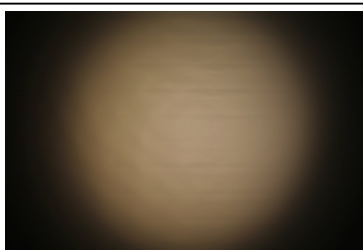
LED CMT14xx
FWHM 33.0°
Efficiency 90 %
Peak intensity 2.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



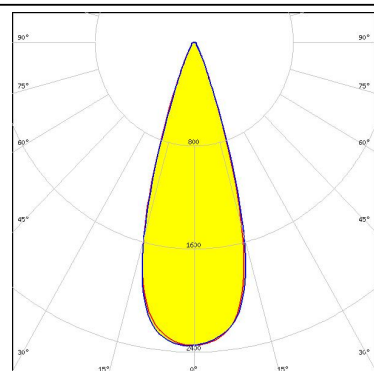
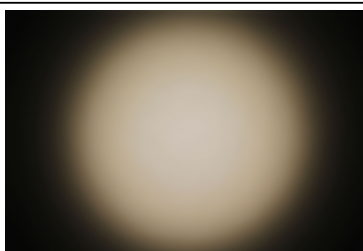
LED CMT19xx
FWHM 36.0°
Efficiency 90 %
Peak intensity 2.083 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1



LED CMT28xx
FWHM 42.0°
Efficiency 87 %
Peak intensity 1.450 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 471 Typ L3



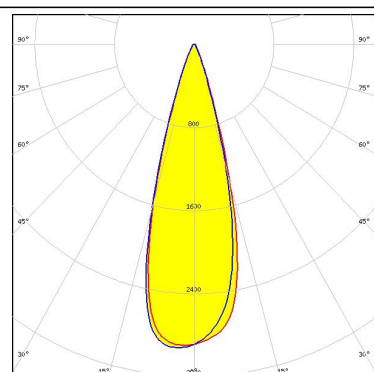
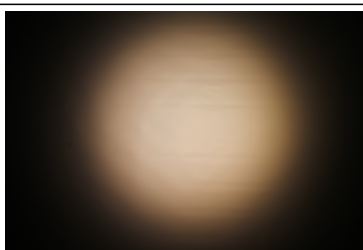
LED CXA/B 15xx
FWHM 34.0°
Efficiency 90 %
Peak intensity 2.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



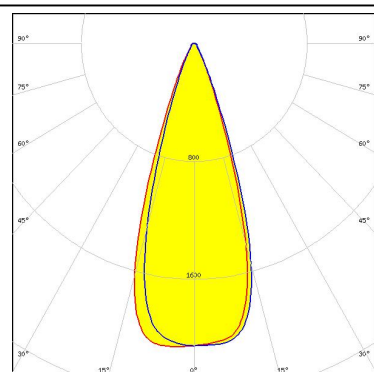
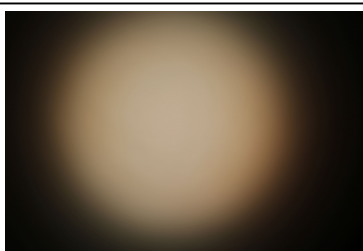
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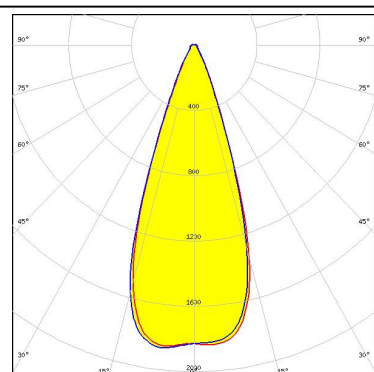
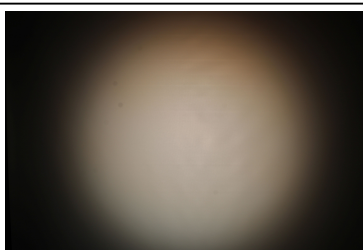
LED LUXEON CoB 1204HD
FWHM 30.0°
Efficiency 89 %
Peak intensity 2.940 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



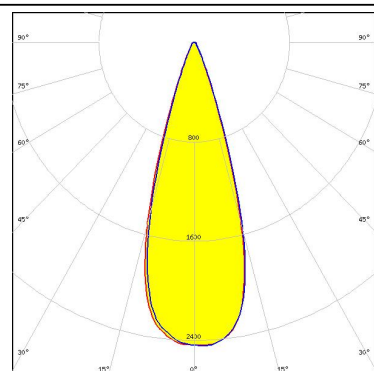
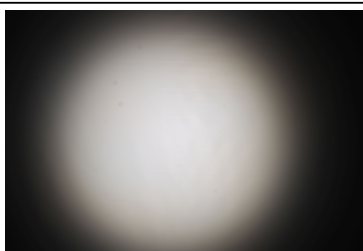
LED CDM-14 (Dim-To-Warm)
FWHM 36.0°
Efficiency 89 %
Peak intensity 2.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 491 Typ L2



LED CDM-18 (Dim-To-Warm)
FWHM 38.0°
Efficiency 89 %
Peak intensity 1.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 491 Typ L2



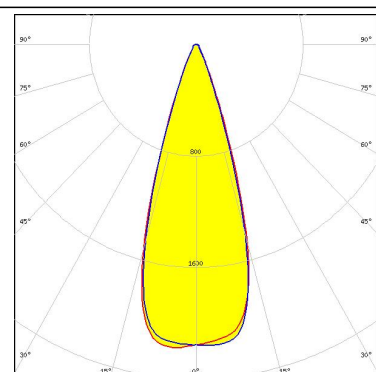
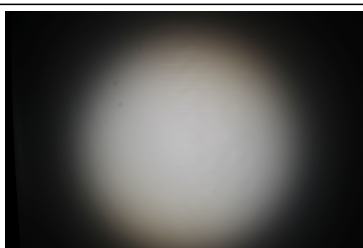
LED CDM-9 (Dim-To-Warm)
FWHM 33.0°
Efficiency 89 %
Peak intensity 2.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 490 Typ L1



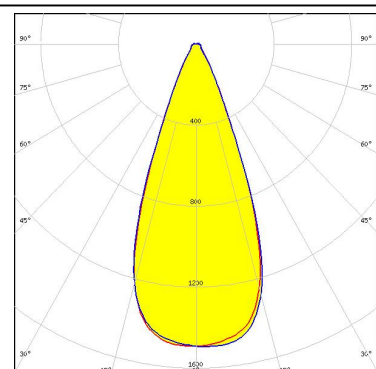
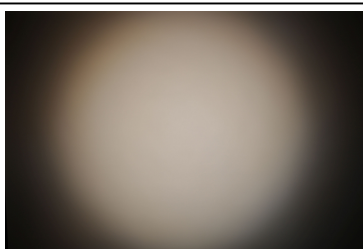
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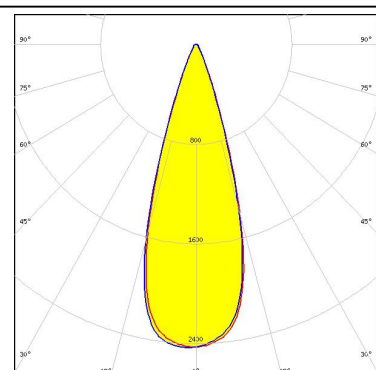
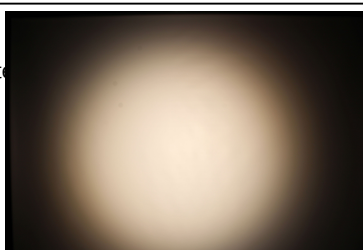
LED CTM-14 (Tunable White)
FWHM 34.0°
Efficiency 88 %
Peak intensity 2.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 442 Typ L3



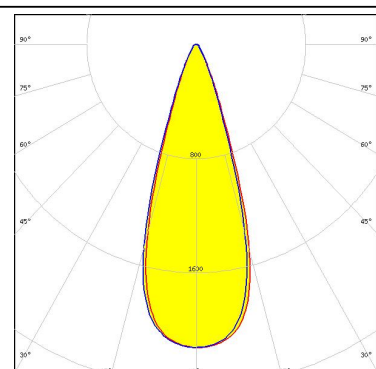
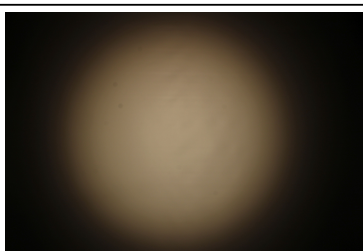
LED CTM-22 (Tunable White)
FWHM 42.0°
Efficiency 87 %
Peak intensity 1.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13584_CLAMP-VERO29
Bender Wirth: 494 Typ L3



LED NVCWJ024Z-V1MT: COB J-Type Tunable White
FWHM 33.0°
Efficiency 89 %
Peak intensity 2.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 498 Typ L2



LED PrevaLED Core G7 L15 H1
FWHM 35.0°
Efficiency 90 %
Peak intensity 2.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16685_CLAMP-PRV-A



PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo SLM L13 CoB

FWHM 35.0°

Efficiency 89 %

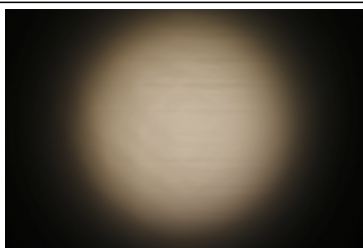
Peak intensity 2.200 cd/lm

LEDs/each optic 1

Light colour White

Required components:

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



PHILIPS

LED Fortimo SLM L15 + SLM holder

FWHM 34.0°

Efficiency 89 %

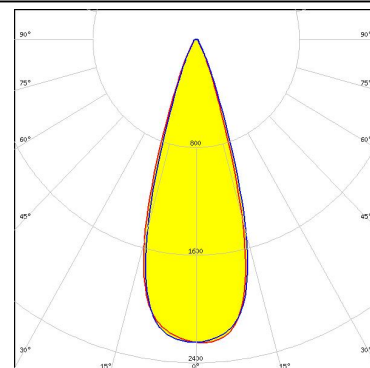
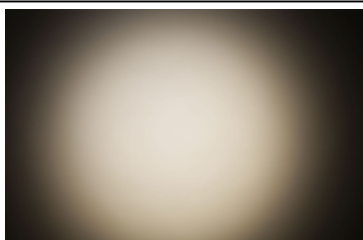
Peak intensity 2.300 cd/lm

LEDs/each optic 1

Light colour White

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

LED Fortimo SLM L15 CoB

FWHM 36.0°

Efficiency 88 %

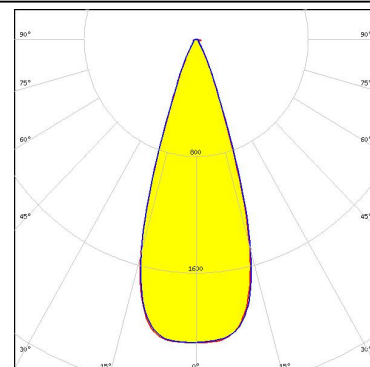
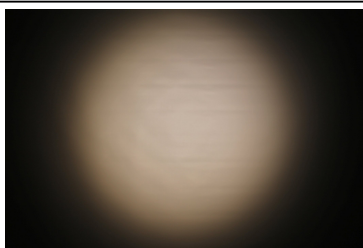
Peak intensity 2.100 cd/lm

LEDs/each optic 1

Light colour White

Required components:

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



SAMSUNG

LED LC035T (Tunable white)

FWHM 43.0°

Efficiency 88 %

Peak intensity 1.419 cd/lm

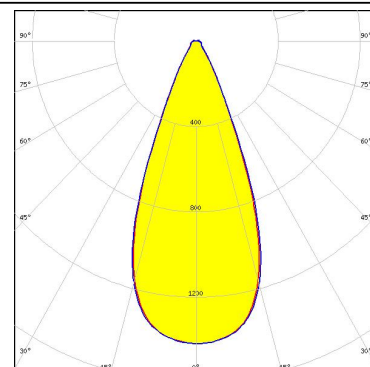
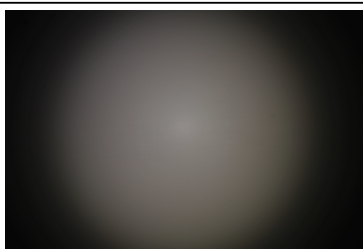
LEDs/each optic 1

Light colour White

Required components:

C13584_CLAMP-VERO29

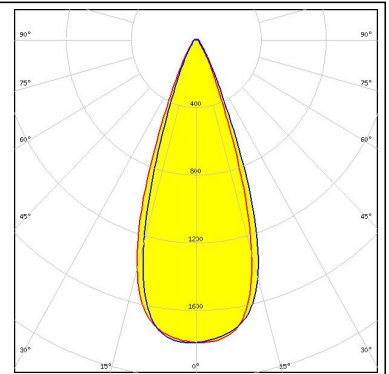
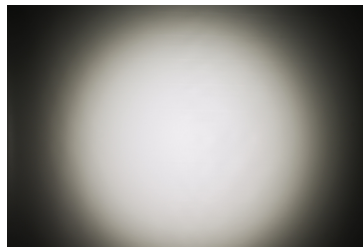
Bender Wirth: 502 Typ L3



PHOTOMETRIC DATA (MEASURED):

XICATO

LED XTM - 19mm LES
FWHM 39.0°
Efficiency 90 %
Peak intensity 1.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16491_XTM-ADAPTER-50-A



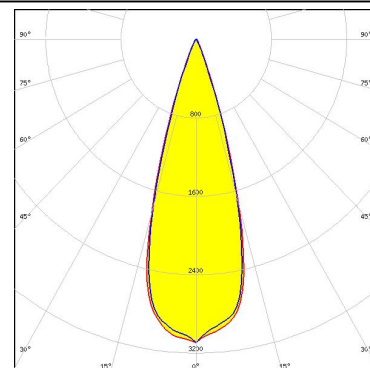
PHOTOMETRIC DATA (SIMULATED):



LED V9 HD
FWHM 32.0°
Efficiency 90 %
Peak intensity 3.304 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 496 Typ L1

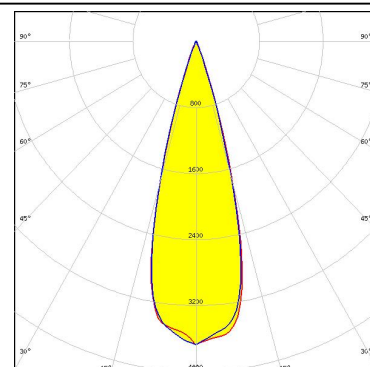


LED VERO13
FWHM 32.0°
Efficiency 91 %
Peak intensity 3.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18

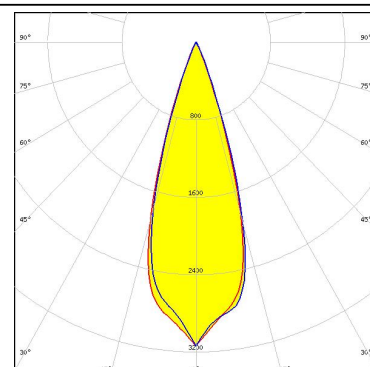


CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 30.0°
Efficiency 89 %
Peak intensity 3.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 434 Typ L1



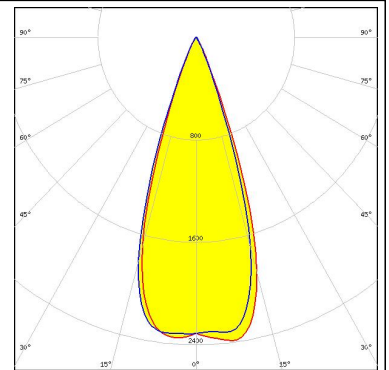
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 33.0°
Efficiency 90 %
Peak intensity 3.070 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



PHOTOMETRIC DATA (SIMULATED):



LED CXA/B 25xx
FWHM 36.0°
Efficiency 88 %
Peak intensity 2.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14036_CLAMP_CXA25-30



LED CTM-18 (Tunable White)
FWHM 34.0°
Efficiency 80 %
Peak intensity 2.287 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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LEDiL Oy

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Hong Kong, China

Distribution Partners

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