MOLLY-M

~35° medium beam



SPECIFICATION:

Dimensions	Ø 69.8 mm
Height	23.6 mm
ROHS compliant	yes

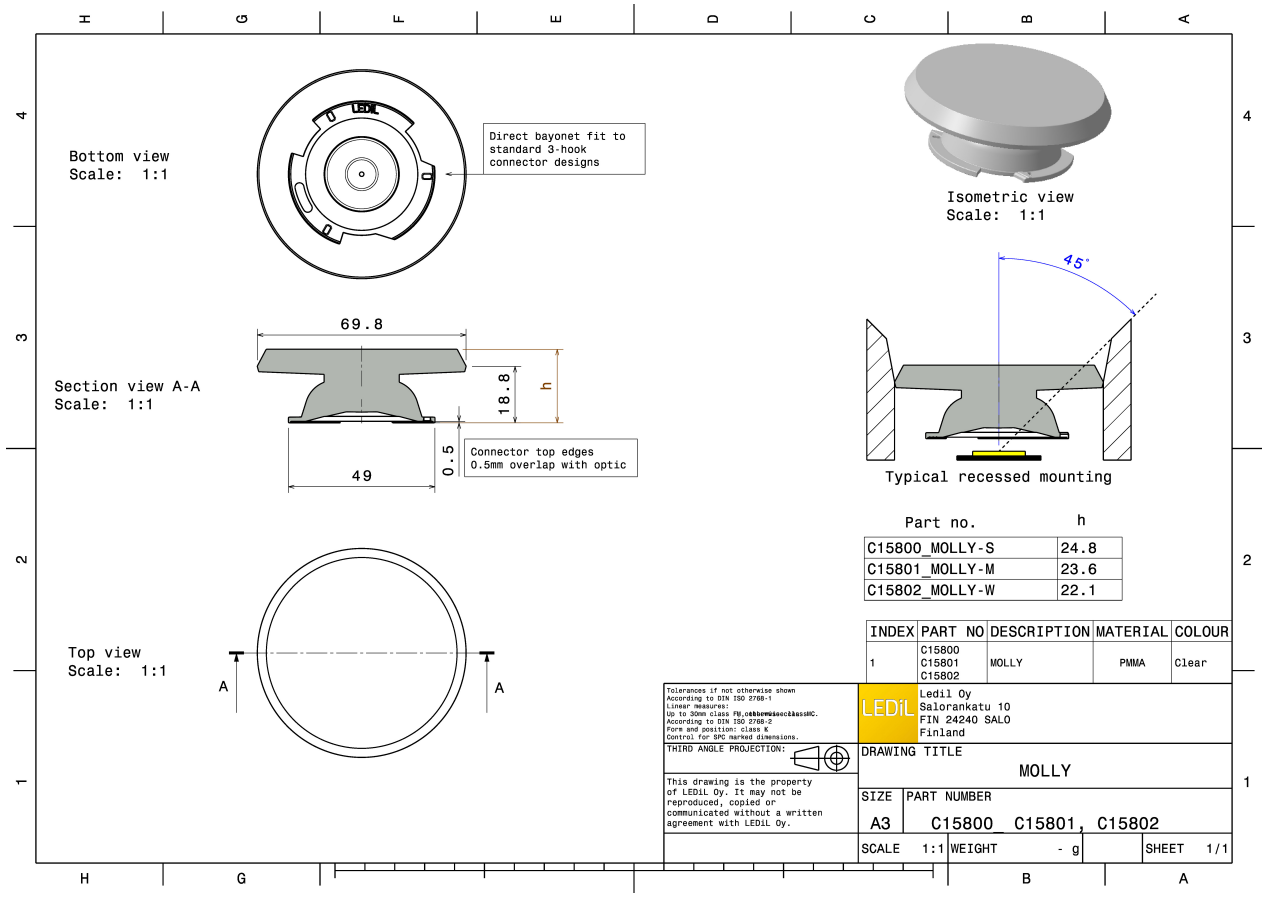
MATERIALS:

Component	Type	Material	Colour	Finish	Length
MOLLY-M	Single lens	PMMA	clear		69.8

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15801_MOLLY-M » Box size: 476 x 273 x 292 mm	198	36	18	9.0

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Part no.	h
C15800_MOLLY-S	24.8
C15801_MOLLY-M	23.6
C15802_MOLLY-W	22.1

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15800 C15801 C15802	MOLLY	PMMA	Clear

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class fH,cabbcmKbaccbassMC.
According to DIN ISO 2768-2
Form and position: class K
Control for SPC marked dimensions.

THIRD ANGLE PROJECTION:

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
MOLLY

SIZE	PART NUMBER
A3	C15800_C15801, C15802

SCALE 1:1 | WEIGHT - g | SHEET 1/1

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

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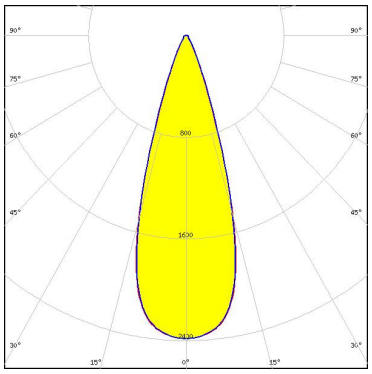
OPTICAL RESULTS (MEASURED):

bridgelux

LED	V11 HD Gen 8
FWHM / FWTM	33.0° / 52.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
Bender Wirth: 633d 3Hook





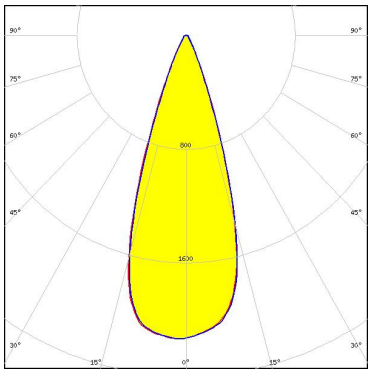
Light distribution files

bridgelux

LED	Vero SE 13
FWHM / FWTM	36.0° / 54.0°
Efficiency	90 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C16402_CLAMP-VEROSE-13-18





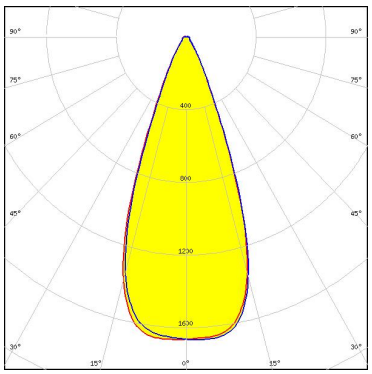
Light distribution files

bridgelux

LED	Vero SE 18
FWHM / FWTM	40.0° / 62.0°
Efficiency	89 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C16402_CLAMP-VEROSE-13-18





Light distribution files

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OPTICAL RESULTS (MEASURED):

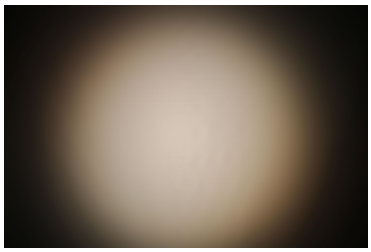
bridgelux

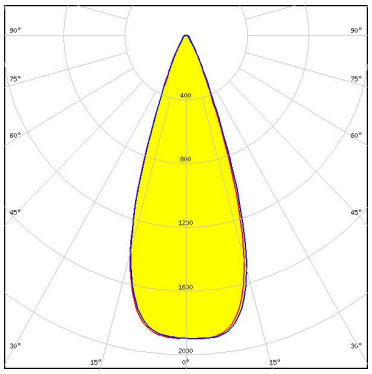
LED	Vesta TW 15mm DP
FWHM / FWTM	38.0° / 58.0°
Efficiency	90 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 482 Typ L2





Light distribution files

bridgelux

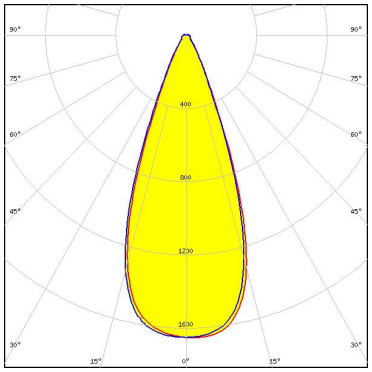
LED	Vesta TW 18mm (31W) DP
FWHM / FWTM	40.0° / 61.0°
Efficiency	88 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

Required components:

C13584_CLAMP-VERO29

Bender Wirth: 483 Typ L3





Light distribution files

CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	36.0° / 55.0°
Efficiency	89 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

Bender Wirth: 433 Typ L1



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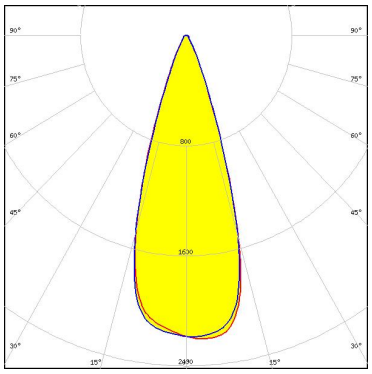
OPTICAL RESULTS (MEASURED):

CITIZEN

LED	LCN-C02B (Tunable White)
FWHM / FWTM	35.0° / 53.0°
Efficiency	89 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 481 Typ L2



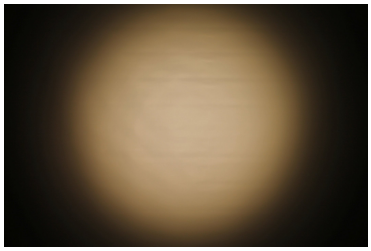


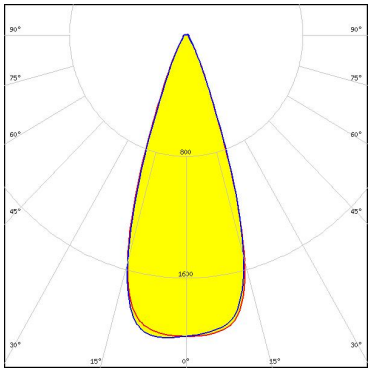
Light distribution files

CREE LEDs

LED	CMA1840
FWHM / FWTM	37.0° / 56.0°
Efficiency	91 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C14123_CLAMP-CXA15-18



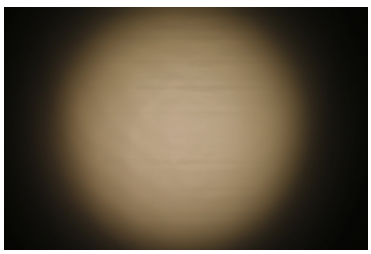


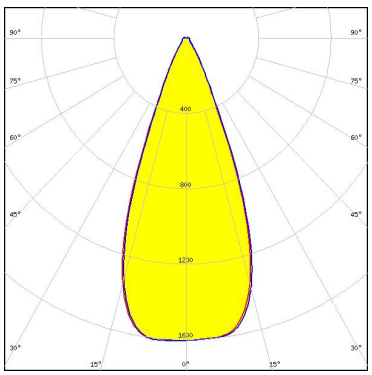
Light distribution files

CREE LEDs

LED	CMA2550
FWHM / FWTM	42.0° / 62.0°
Efficiency	89 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C14036_CLAMP_CXA25-30





Light distribution files

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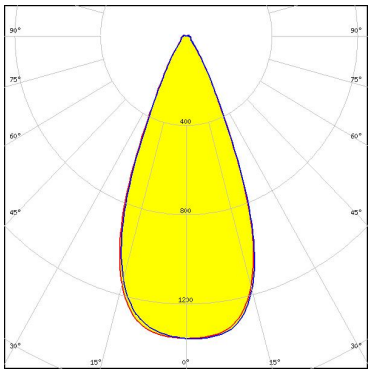
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	CMA3090
FWHM / FWTM	45.0° / 68.0°
Efficiency	88 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C14036_CLAMP_CXA25-30



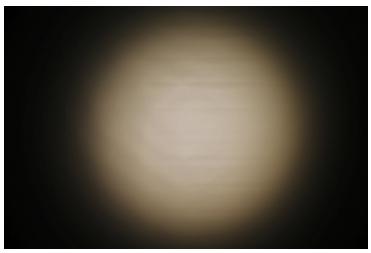


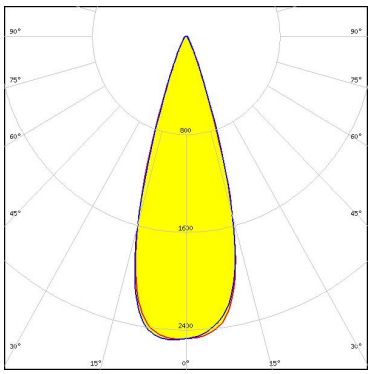
Light distribution files

CREE LEDs

LED	CMT14xx
FWHM / FWTM	33.0° / 50.0°
Efficiency	90 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1



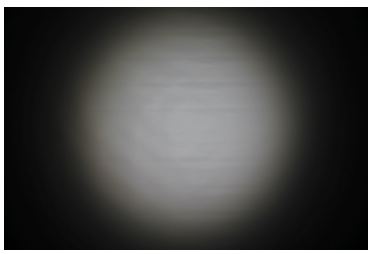


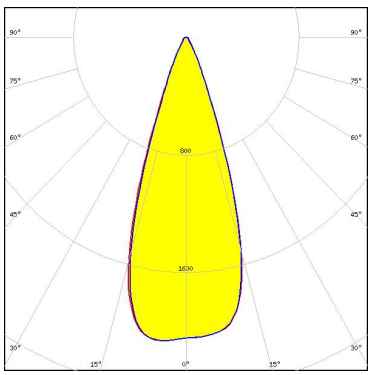
Light distribution files

CREE LEDs

LED	CMT19xx
FWHM / FWTM	36.0° / 55.0°
Efficiency	90 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1





Light distribution files

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OPTICAL RESULTS (MEASURED):

CREE LEDs

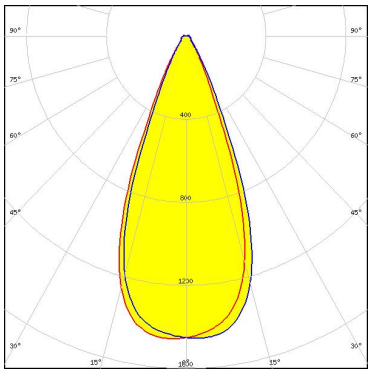
LED	CMT28xx
FWHM / FWTM	42.0° / 65.0°
Efficiency	87 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C13584_CLAMP-VERO29

Bender Wirth: 471 Typ L3





Light distribution files

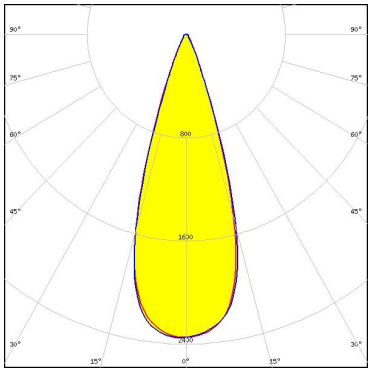
CREE LEDs

LED	CXA/B 15xx
FWHM / FWTM	34.0° / 51.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C14123_CLAMP-CXA15-18





Light distribution files

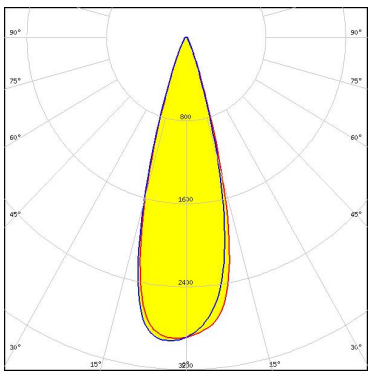
LUMILEDS

LED	LUXEON CoB 1204HD
FWHM / FWTM	30.0° / 46.0°
Efficiency	89 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

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





Light distribution files

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OPTICAL RESULTS (MEASURED):

LUMINUS

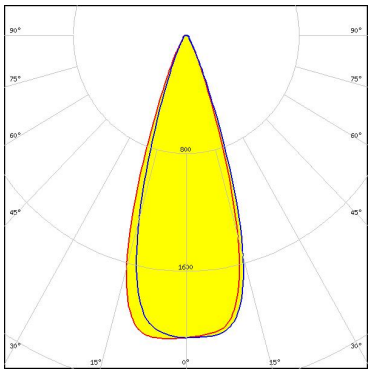
LED	CDM-14 (Dim-To-Warm)
FWHM / FWTM	36.0° / 54.0°
Efficiency	89 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 491 Typ L2





Light distribution files

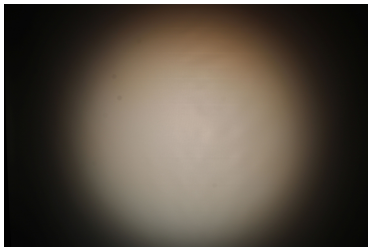
LUMINUS

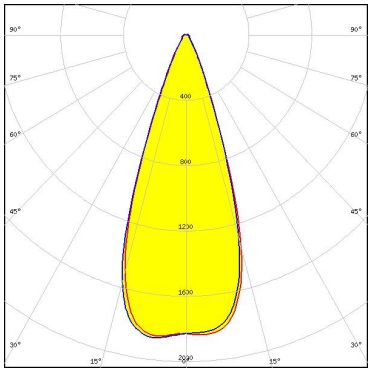
LED	CDM-18 (Dim-To-Warm)
FWHM / FWTM	38.0° / 57.0°
Efficiency	89 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 491 Typ L2





Light distribution files

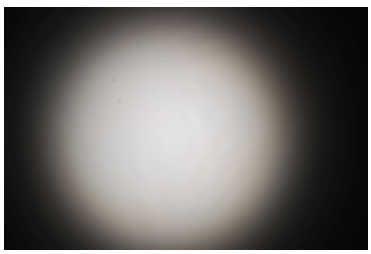
LUMINUS

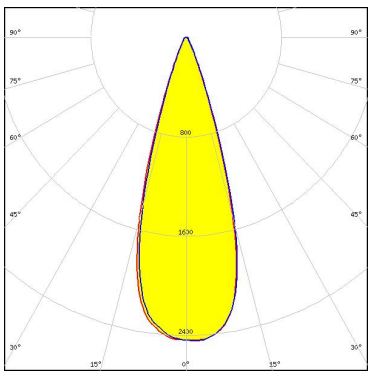
LED	CDM-9 (Dim-To-Warm)
FWHM / FWTM	33.0° / 49.0°
Efficiency	89 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 490 Typ L1





Light distribution files

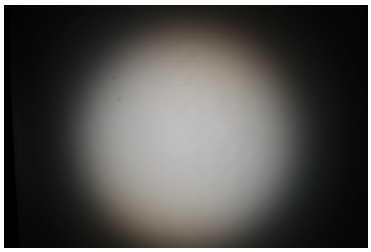
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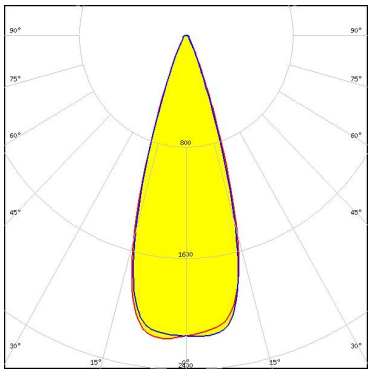
OPTICAL RESULTS (MEASURED):

LUMINUS

LED	CTM-14 (Tunable White)
FWHM / FWTM	34.0° / 52.0°
Efficiency	88 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13584_CLAMP-VERO29
Bender Wirth: 442 Typ L3





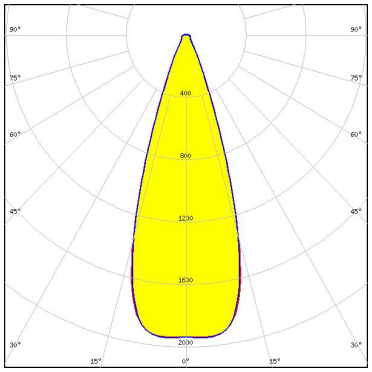
Light distribution files

LUMINUS

LED	CTM-14 RGBW
FWHM / FWTM	35.0° / 55.0°
Efficiency	88 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	RGBW

Required components:
C13584_CLAMP-VERO29
Bender Wirth: 500 Typ L3-1



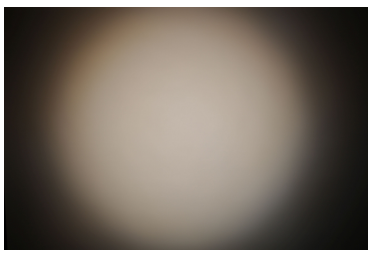


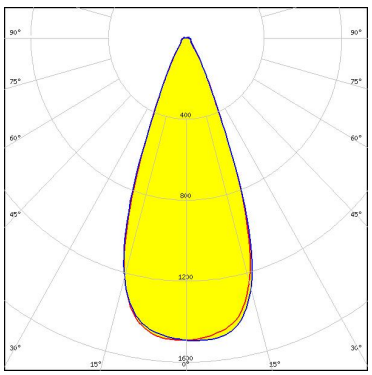
Light distribution files

LUMINUS

LED	CTM-22 (Tunable White)
FWHM / FWTM	42.0° / 64.0°
Efficiency	87 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C13584_CLAMP-VERO29
Bender Wirth: 494 Typ L3





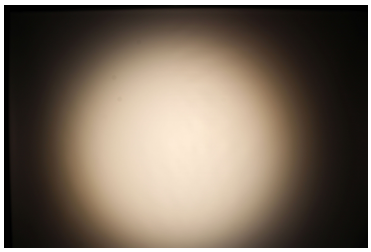
Light distribution files

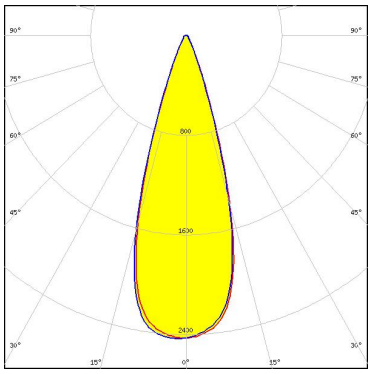
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OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVCWJ024Z-V1MT: COB J-Type Tunable White
FWHM / FWTM	33.0° / 51.0°
Efficiency	89 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13658_CLAMP-VERO13-18	
Bender Wirth: 498 Typ L2	

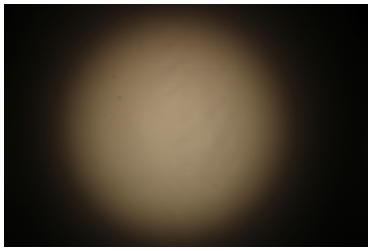


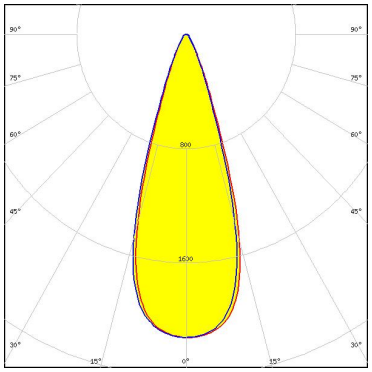


Light distribution files

OSRAM

LED	PrevaLED Core G7 L15 H1
FWHM / FWTM	35.0° / 55.0°
Efficiency	90 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16685_CLAMP-PRV-A	

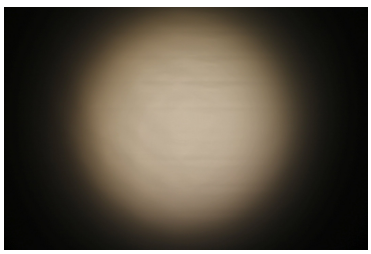


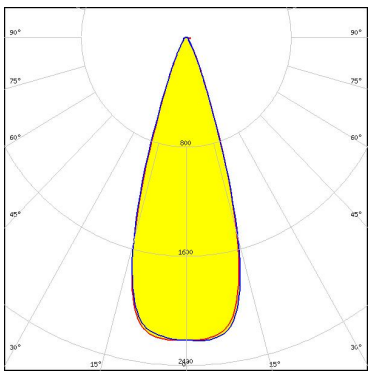


Light distribution files

PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	35.0° / 53.0°
Efficiency	89 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1	





Light distribution files

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OPTICAL RESULTS (MEASURED):

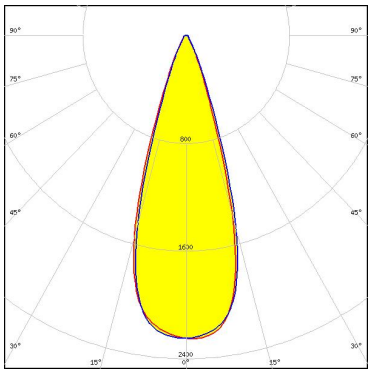
PHILIPS

LED	Fortimo SLM L15 + SLM holder
FWHM / FWTM	34.0° / 53.0°
Efficiency	89 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1





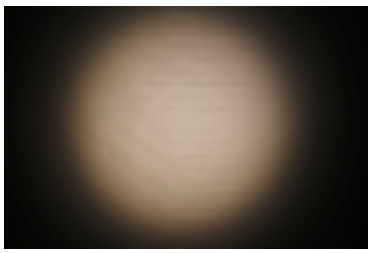
Light distribution files

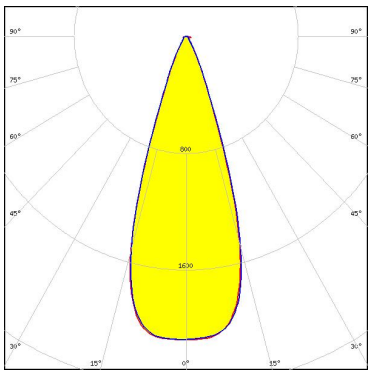
PHILIPS

LED	Fortimo SLM L15 CoB
FWHM / FWTM	36.0° / 54.0°
Efficiency	88 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

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





Light distribution files

SAMSUNG

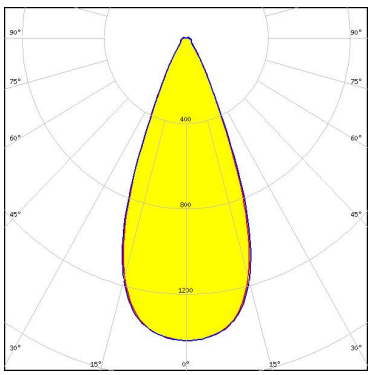
LED	LC035T (Tunable white)
FWHM / FWTM	43.0° / 67.0°
Efficiency	88 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C13584_CLAMP-VERO29

Bender Wirth: 502 Typ L3





Light distribution files

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OPTICAL RESULTS (MEASURED):

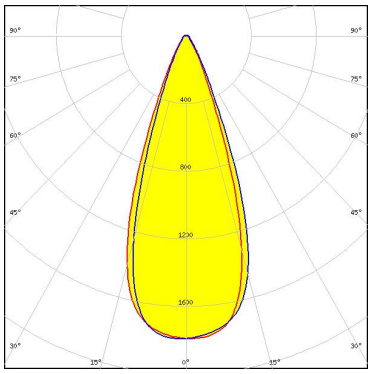
XICATO

LED	XTM - 19mm LES
FWHM / FWTM	39.0° / 60.0°
Efficiency	90 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C16491_XTM-ADAPTER-50-A





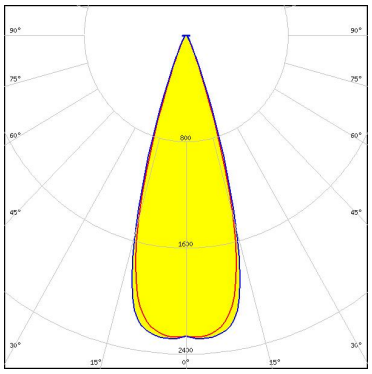
Light distribution files

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OPTICAL RESULTS (SIMULATED):

bridgelux

LED	V9 HD Gen7
FWHM / FWTM	32.0° / 44.0°
Efficiency	90 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13658_CLAMP-VERO13-18	

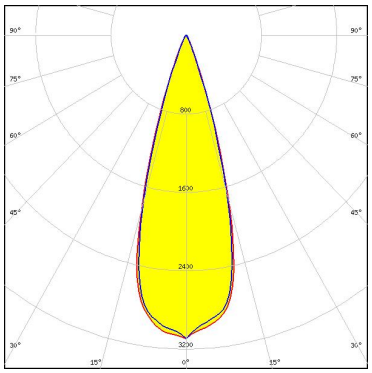


Bender Wirth: 496 Typ L1

Light distribution files

bridgelux

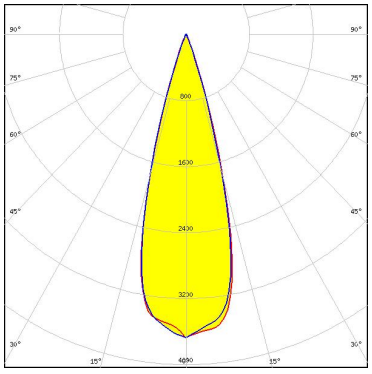
LED	VERO13
FWHM / FWTM	32.0° / 46.0°
Efficiency	91 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13658_CLAMP-VERO13-18	



Light distribution files

CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	30.0° / 42.0°
Efficiency	89 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Bender Wirth: 434 Typ L1

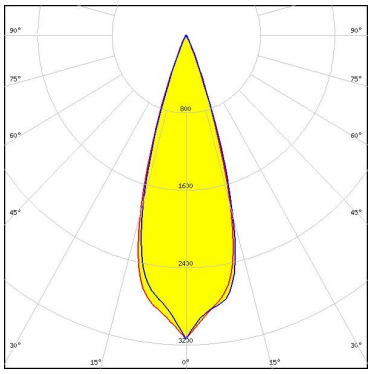
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

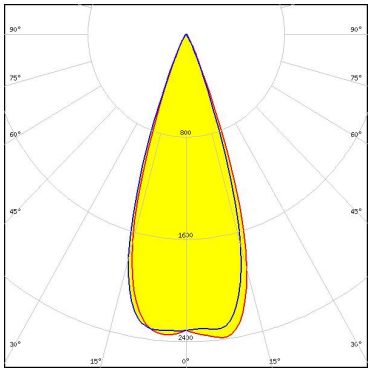
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM	33.0° / 47.0°
Efficiency	90 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14123_CLAMP-CXA15-18	



Light distribution files

CREE LEDs

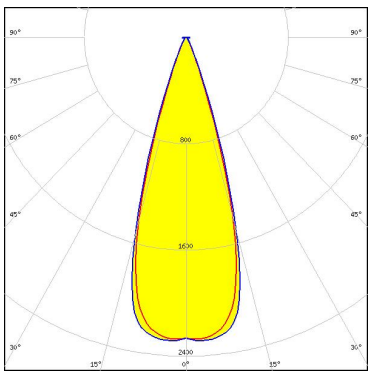
LED	CXA/B 25xx
FWHM / FWTM	36.0° / 50.0°
Efficiency	88 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14036_CLAMP_CXA25-30	



Light distribution files

LUMINUS

LED	CTM-18 (Tunable White)
FWHM / FWTM	34.0° / 47.0°
Efficiency	80 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C13658_CLAMP-VERO13-18	



Light distribution files

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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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