MOLLY-S

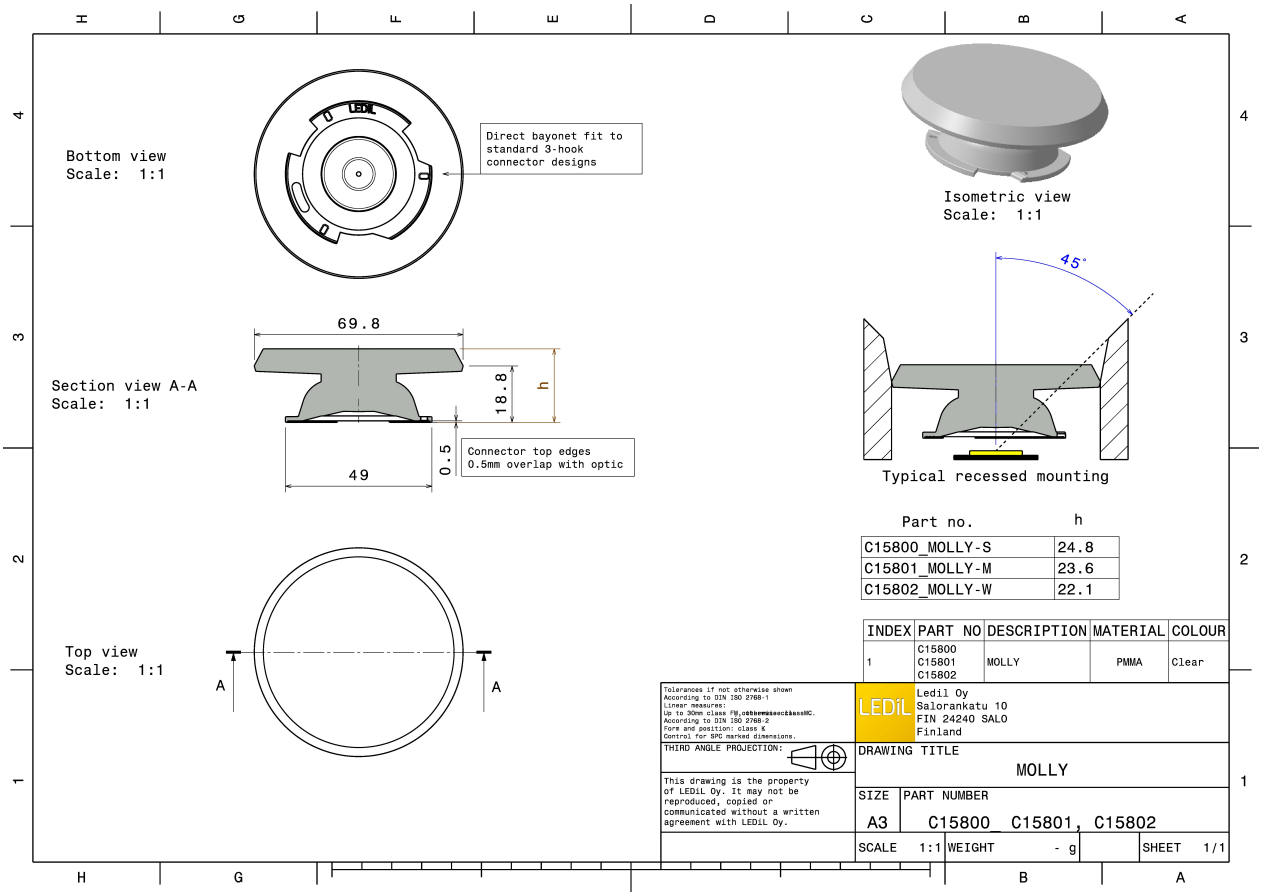
~25° spot beam

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

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
MOLLY-S	Single lens	PMMA	clear



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 f9, above 30mm class mK.
According to DIN ISO 2768-2
Form and position: class K
Control for SPC marked dimensions.

THIRD ANGLE PROJECTION:

LEDiL
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
MOLLY

SIZE	PART NUMBER
A3	C15800_ C15801, C15802

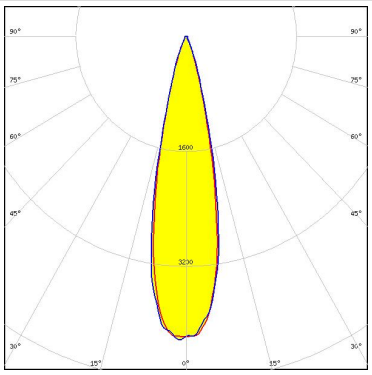
SCALE 1:1 | WEIGHT - g | SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	Vero SE 13
FWHM	23.0°
Efficiency	90 %
Peak intensity	4.200 cd/lm
LEDs/each optic	1
Light colour	White

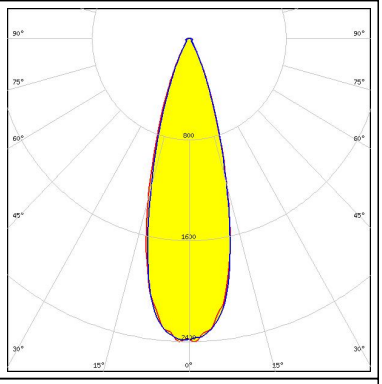
Required components:
C16402_CLAMP-VEROSE-13-18



bridgelux

LED	Vero SE 18
FWHM	31.0°
Efficiency	88 %
Peak intensity	2.400 cd/lm
LEDs/each optic	1
Light colour	White

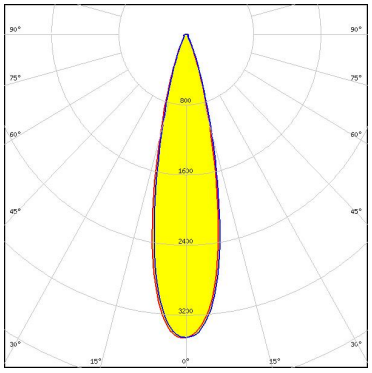
Required components:
C16402_CLAMP-VEROSE-13-18



CITIZEN

LED	CLL03x/CLU03x
FWHM	24.0°
Efficiency	88 %
Peak intensity	3.500 cd/lm
LEDs/each optic	1
Light colour	White

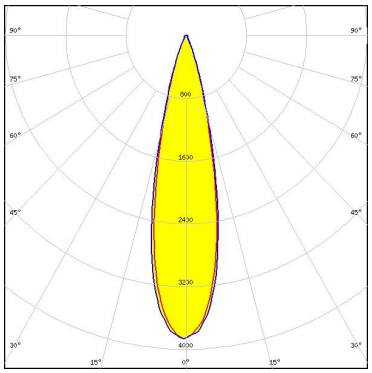
Required components:
C16791_CLAMP-Z45-A
TE: 2325807-3



CITIZEN

LED	CLL03x/CLU03x
FWHM	23.0°
Efficiency	87 %
Peak intensity	3.870 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
Bender Wirth: 433 Typ L1

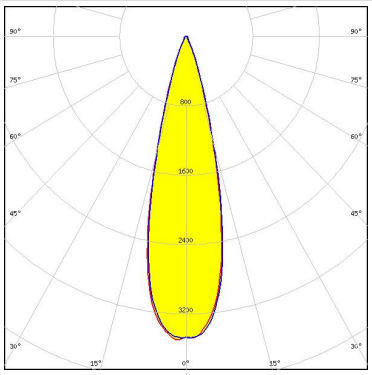


PHOTOMETRIC DATA (MEASURED):

CREE

LED	CMA1840
FWHM	26.0°
Efficiency	91 %
Peak intensity	3.500 cd/lm
LEDs/each optic	1
Light colour	White

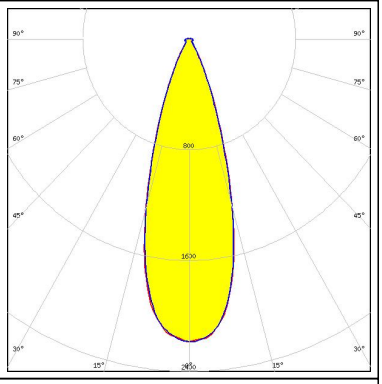
Required components:
C14123_CLAMP-CXA15-18



CREE

LED	CMA2550
FWHM	32.0°
Efficiency	89 %
Peak intensity	2.200 cd/lm
LEDs/each optic	1
Light colour	White

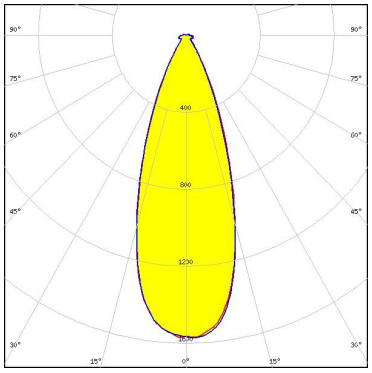
Required components:
C14036_CLAMP_CXA25-30



CREE

LED	CMA3090
FWHM	37.0°
Efficiency	86 %
Peak intensity	1.600 cd/lm
LEDs/each optic	1
Light colour	White

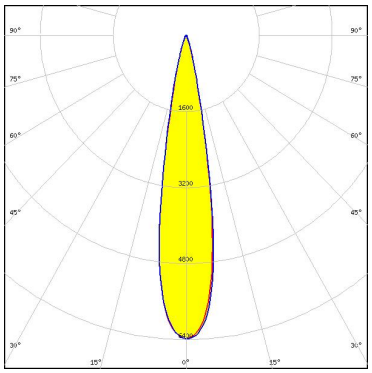
Required components:
C14036_CLAMP_CXA25-30



CREE

LED	CMT14xx
FWHM	19.0°
Efficiency	90 %
Peak intensity	6.400 cd/lm
LEDs/each optic	1
Light colour	White

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

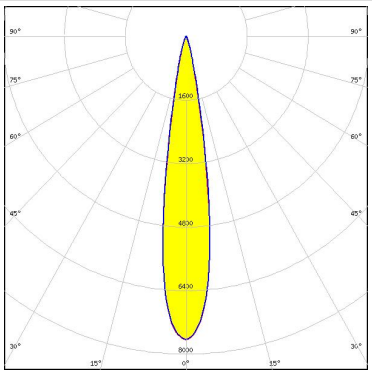


PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA/B 15xx
FWHM	17.0°
Efficiency	91 %
Peak intensity	7.600 cd/lm
LEDs/each optic	1
Light colour	White

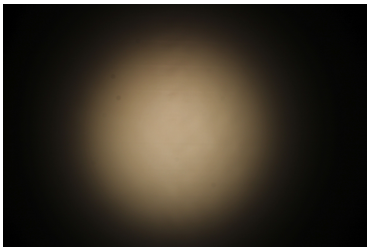
Required components:
C14123_CLAMP-CXA15-18

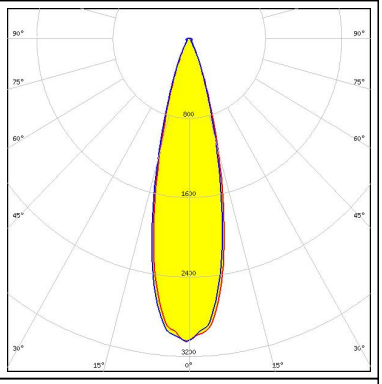


OSRAM

LED	PrevaLED Core G7 L15 H1
FWHM	26.0°
Efficiency	89 %
Peak intensity	3.100 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C16685_CLAMP-PRV-A





PHILIPS

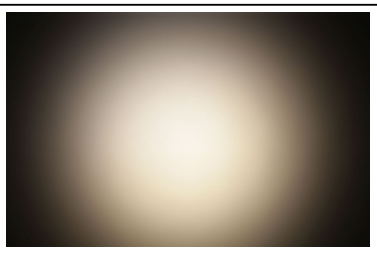
LED	Fortimo SLM L13 CoB
FWHM	24.0°
Efficiency	89 %
Peak intensity	3.900 cd/lm
LEDs/each optic	1
Light colour	White

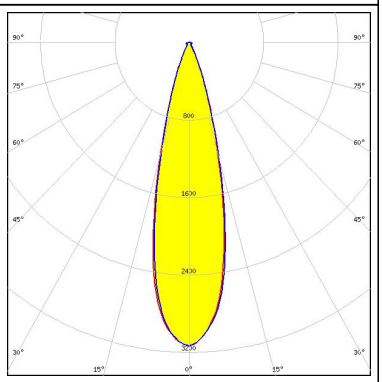
Required components:
TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1

PHILIPS

LED	Fortimo SLM L15 + SLM holder
FWHM	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



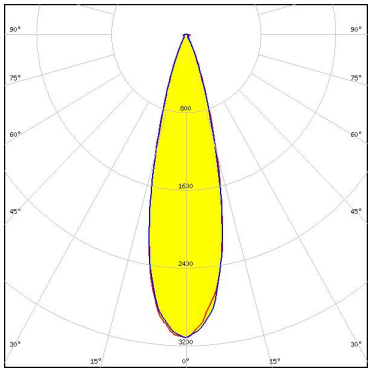


PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED	Fortimo SLM L15 CoB
FWHM	27.0°
Efficiency	88 %
Peak intensity	3.100 cd/lm
LEDs/each optic	1
Light colour	White

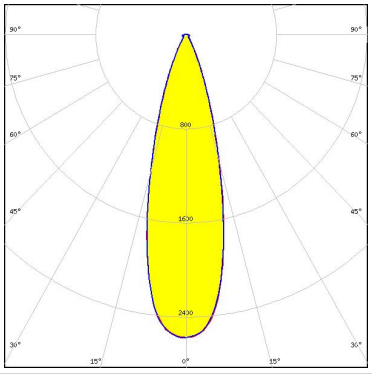
Required components:
TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



XICATO

LED	XTM - 19mm LES
FWHM	28.0°
Efficiency	89 %
Peak intensity	2.600 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C16491_XTM-ADAPTER-50-A

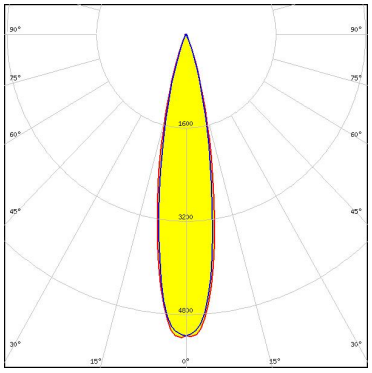


PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	VERO13
FWHM	21.0°
Efficiency	90 %
Peak intensity	5.200 cd/lm
LEDs/each optic	1
Light colour	White

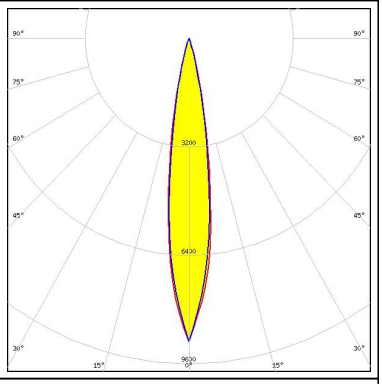
Required components:
C13658_CLAMP-VERO13-18



CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	16.0°
Efficiency	87 %
Peak intensity	8.780 cd/lm
LEDs/each optic	1
Light colour	White

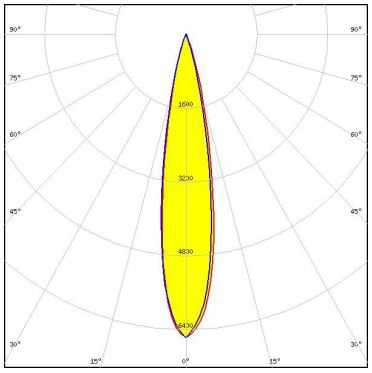
Required components:
Bender Wirth: 434 Typ L1



CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	19.0°
Efficiency	89 %
Peak intensity	6.450 cd/lm
LEDs/each optic	1
Light colour	White

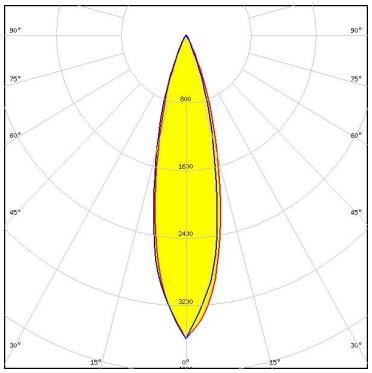
Required components:
C14123_CLAMP-CXA15-18



CREE

LED	CXA/B 25xx
FWHM	25.0°
Efficiency	85 %
Peak intensity	3.500 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14036_CLAMP_CXA25-30

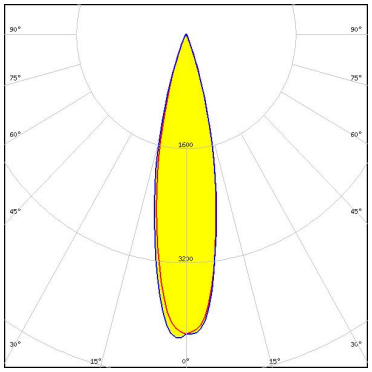


PHOTOMETRIC DATA (SIMULATED):

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

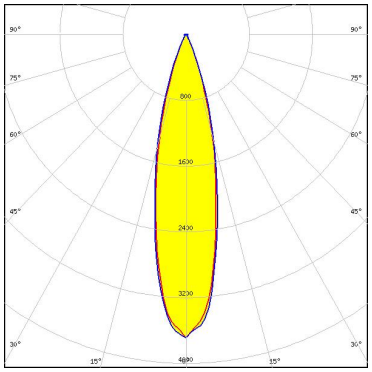
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



TRIDONIC

LED	SLE G6 LES17 H
FWHM	27.0°
Efficiency	85 %
Peak intensity	3.700 cd/lm
LEDs/each optic	1
Light colour	White

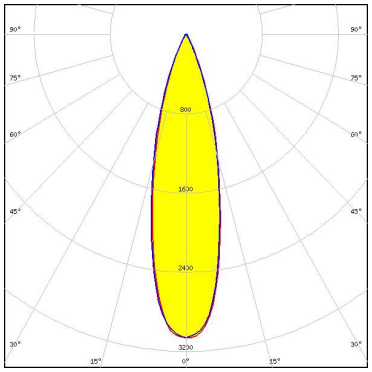
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



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.

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