SAGA-HB-IP-WHT

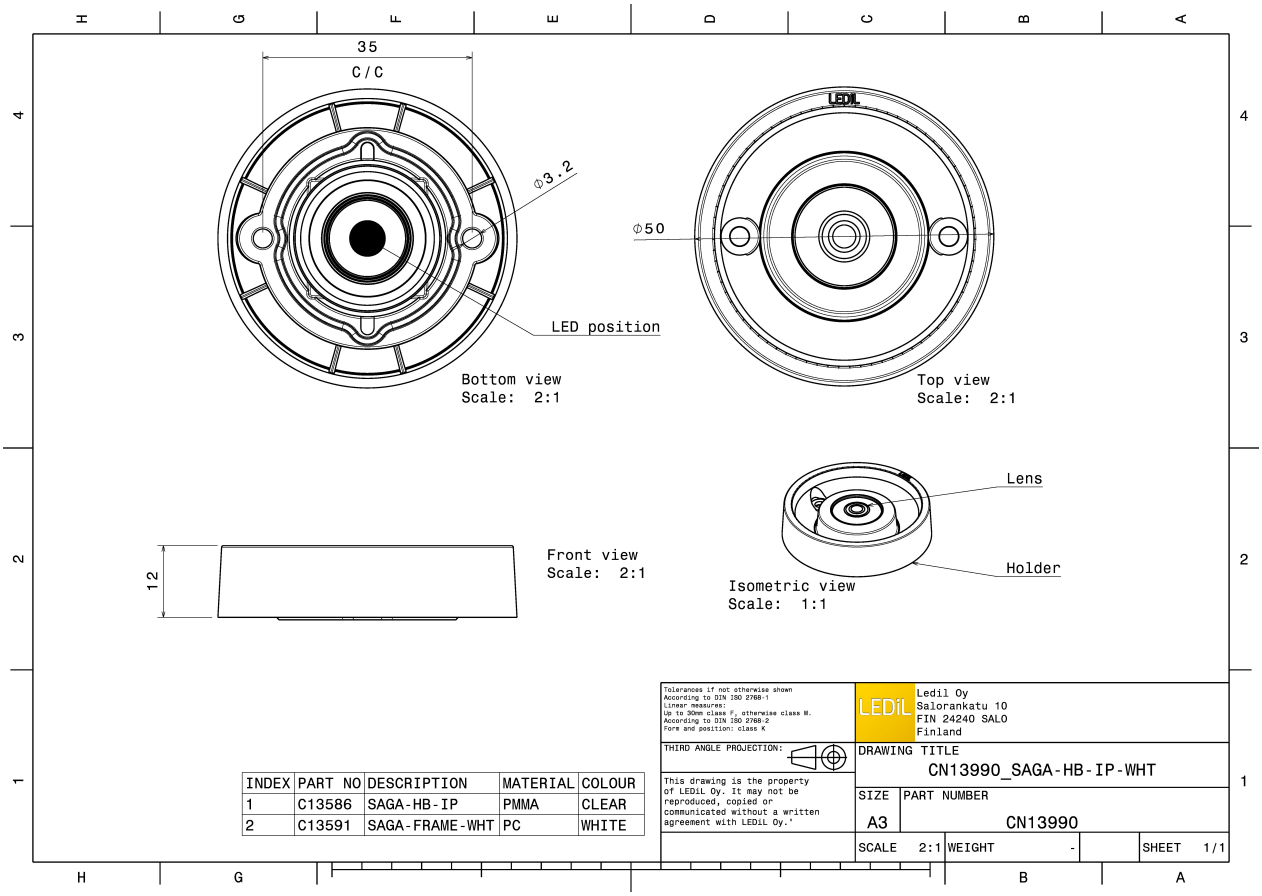
~60° high bay beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50 mm
Height	12 mm
Fastening	screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	0 kg
Quantity in Box	520 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
SAGA-HB-IP	Lens	Silicone	clear
SAGA-FRAME-WHT	Reflector	HRPC	white



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13586	SAGA-HB-IP	PMMA	CLEAR
2	C13591	SAGA-FRAME-WHT	PC	WHITE

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class F, otherwise class M.
According to DIN ISO 2768-2
Form and position: class K

THIRD ANGLE PROJECTION:

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
CN13990_SAGA-HB-IP-WHT

SIZE A3 | PART NUMBER CN13990

SCALE 2:1 | WEIGHT - | SHEET 1/1

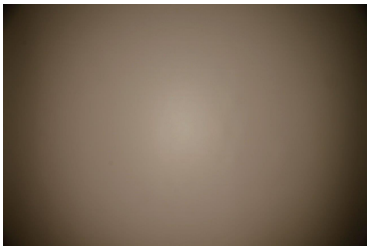
PHOTOMETRIC DATA (MEASURED):

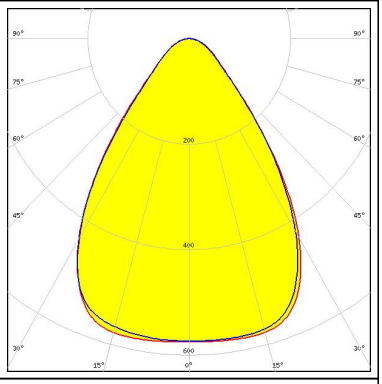
bridgelux

LED	V10 Gen6
FWHM	58.0°
Efficiency	89 %
Peak intensity	0.830 cd/lm
Required components:	

bridgelux

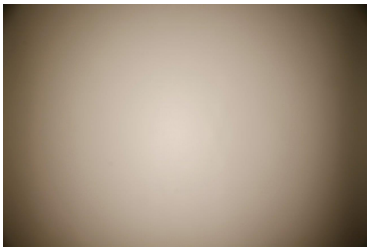
LED	V6 Gen6
FWHM	73.0°
Efficiency	88 %
Peak intensity	0.600 cd/lm
Required components:	

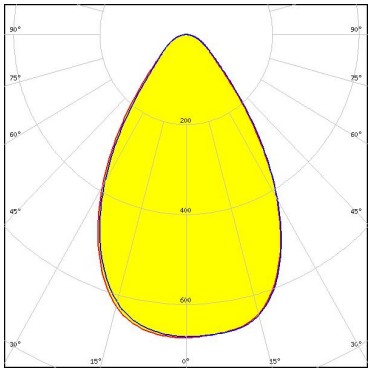




bridgelux

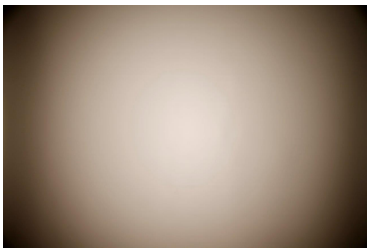
LED	V8 Gen6
FWHM	66.0°
Efficiency	88 %
Peak intensity	0.670 cd/lm
Required components:	

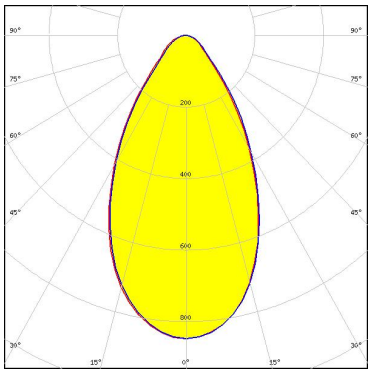




bridgelux

LED	VERO10
FWHM	58.0°
Efficiency	92 %
Peak intensity	0.850 cd/lm
Required components:	

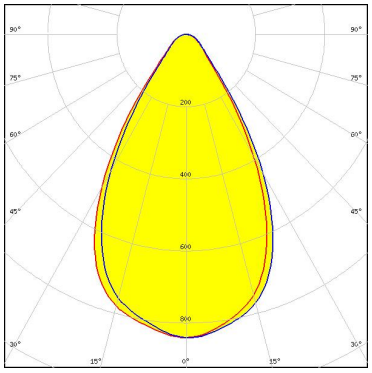




PHOTOMETRIC DATA (MEASURED):

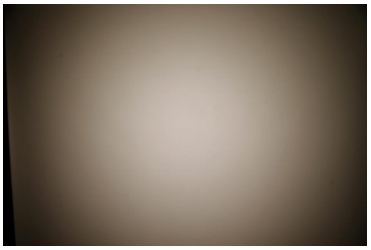
CITIZEN

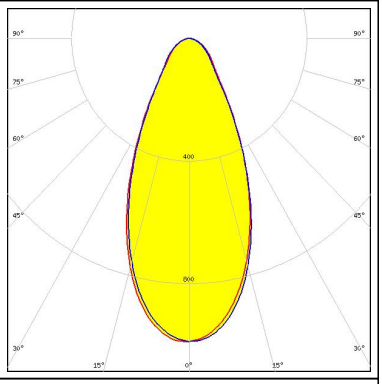
LED CLL01x
FWHM 61.0°
Efficiency 92 %
Peak intensity 0.840 cd/lm
Required components:



CITIZEN

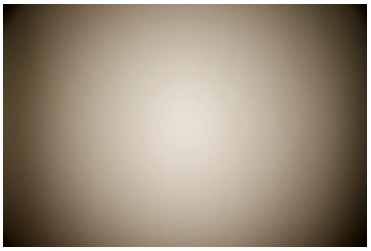
LED CLL02x/CLU02x (LES10)
FWHM 47.0°
Efficiency 86 %
Peak intensity 1.000 cd/lm
Required components:
Bender Wirth: 434 Typ L6

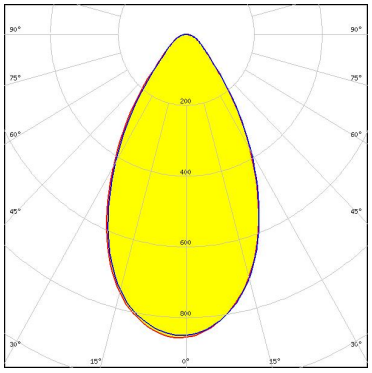




CITIZEN

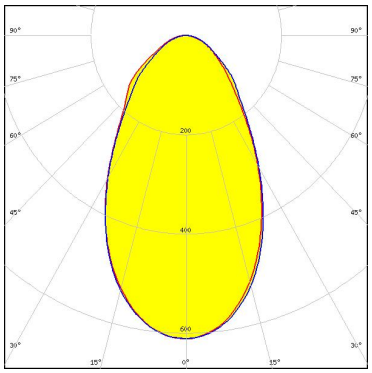
LED CLL02x/CLU02x (LES10)
FWHM 58.0°
Efficiency 91 %
Peak intensity 0.860 cd/lm
Required components:





CITIZEN

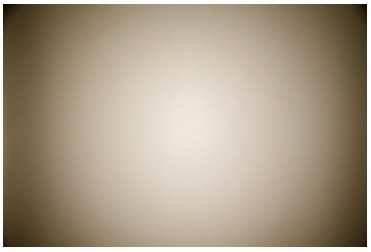
LED CLL03x/CLU03x
FWHM 61.0°
Efficiency 84 %
Peak intensity 0.610 cd/lm
Required components:
Bender Wirth: 433 Typ L6

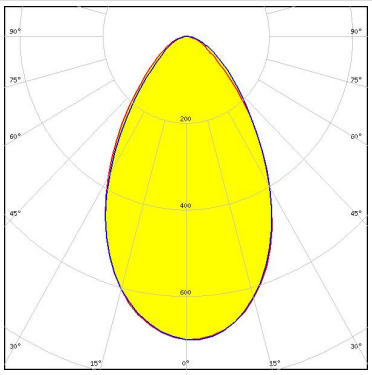


PHOTOMETRIC DATA (MEASURED):

CITIZEN

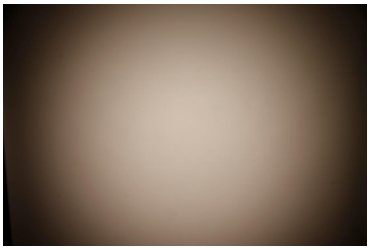
LED	CLL03x/CLU03x
FWHM	64.0°
Efficiency	92 %
Peak intensity	0.700 cd/lm
Required components:	

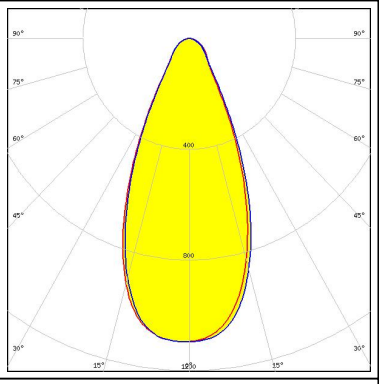




CITIZEN

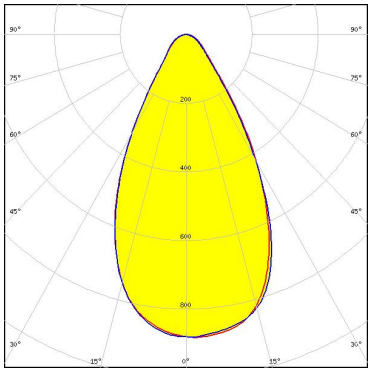
LED	CLU700/701
FWHM	46.0°
Efficiency	86 %
Peak intensity	1.100 cd/lm
Required components:	
Bender Wirth: 434 Typ L6	





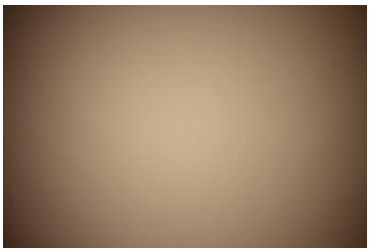
CITIZEN

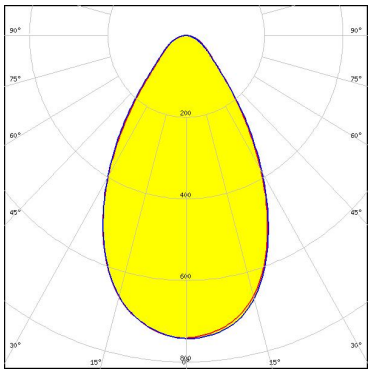
LED	CLU700/701
FWHM	56.0°
Efficiency	87 %
Peak intensity	0.900 cd/lm
Required components:	



CITIZEN

LED	CLU710/711
FWHM	62.0°
Efficiency	90 %
Peak intensity	0.700 cd/lm
Required components:	

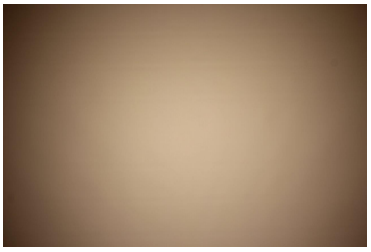


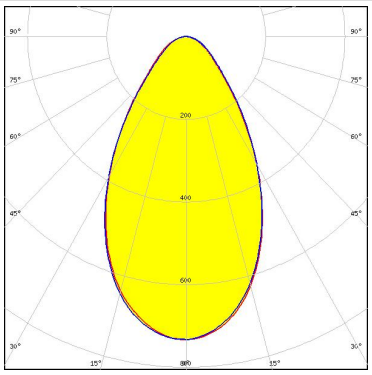


PHOTOMETRIC DATA (MEASURED):

CITIZEN

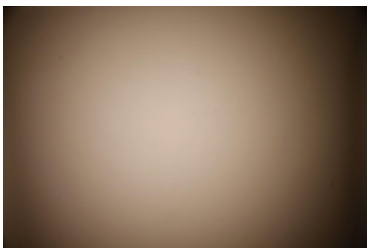
LED	CLU720/721
FWHM	61.0°
Efficiency	89 %
Peak intensity	0.730 cd/lm
Required components:	

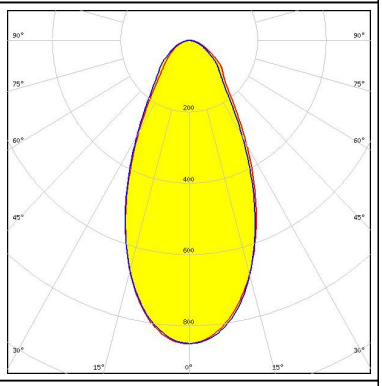




CITIZEN

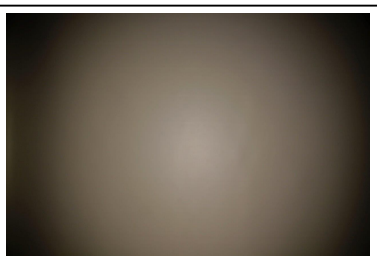
LED	CLU720/721
FWHM	50.0°
Efficiency	85 %
Peak intensity	0.850 cd/lm
Required components:	
Bender Wirth: 433 Typ L6	

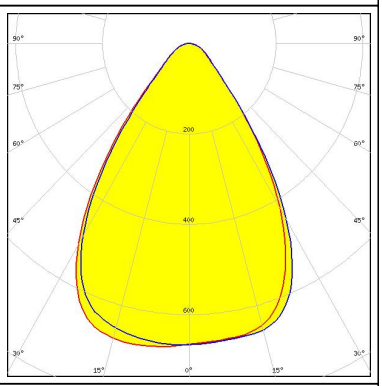




CREE

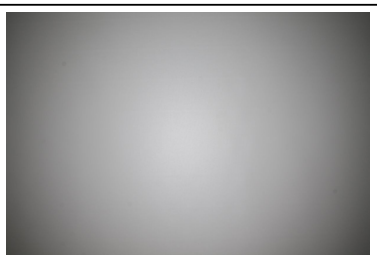
LED	CXA/B 13xx
FWHM	70.0°
Efficiency	92 %
Peak intensity	0.680 cd/lm
Required components:	

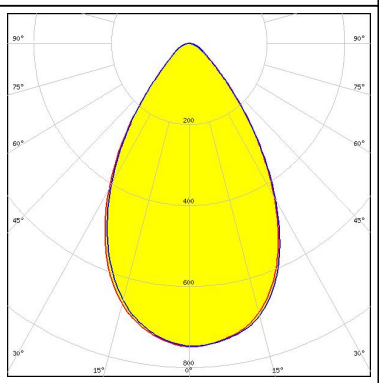




CREE

LED	CXA/B 15xx
FWHM	64.0°
Efficiency	90 %
Peak intensity	0.750 cd/lm
Required components:	

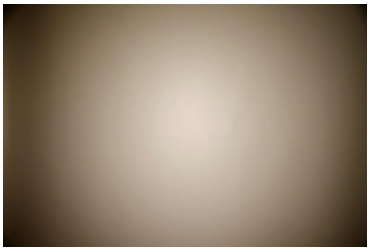


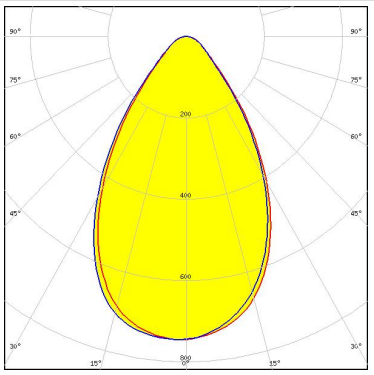


PHOTOMETRIC DATA (MEASURED):

CREE

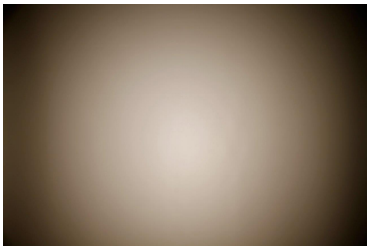
LED	CXA/B 15xx
FWHM	64.0°
Efficiency	92 %
Peak intensity	0.750 cd/lm
Required components:	

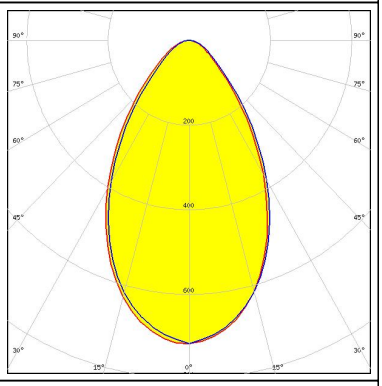




CREE

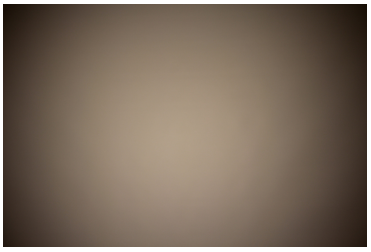
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	63.0°
Efficiency	90 %
Peak intensity	0.730 cd/lm
Required components:	

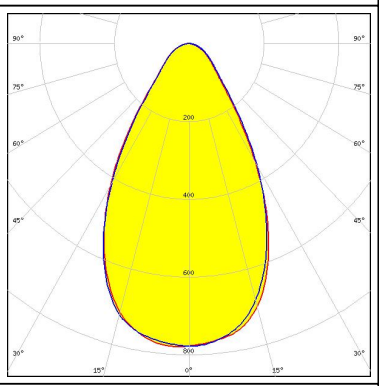




CREE

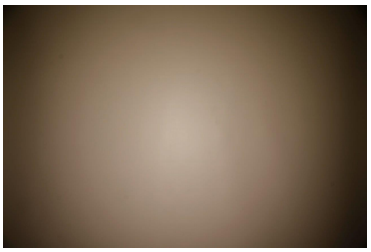
LED	MHD-E/G
FWHM	60.0°
Efficiency	90 %
Peak intensity	0.780 cd/lm
Required components:	

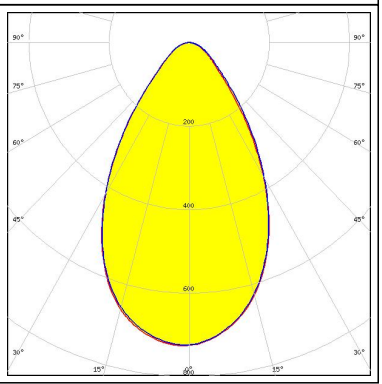




LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM	63.0°
Efficiency	89 %
Peak intensity	0.730 cd/lm
Required components:	





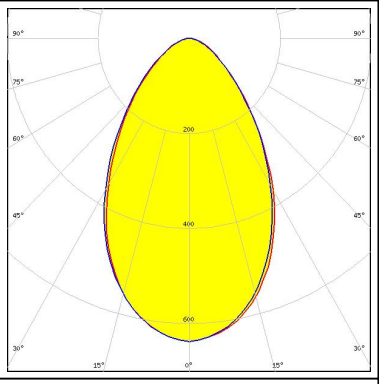
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1202s
FWHM	67.0°
Efficiency	90 %
Peak intensity	0.700 cd/lm
Required components:	

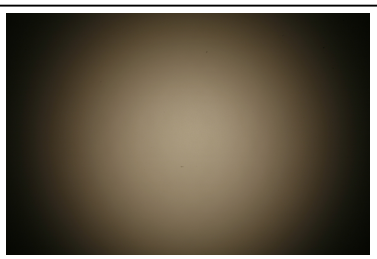
LUMINUS

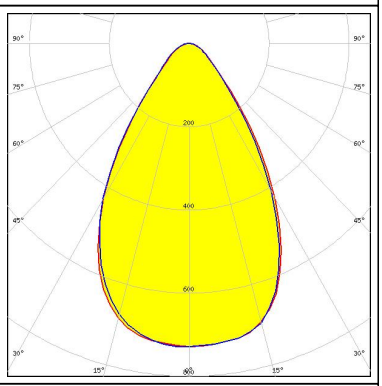
LED	CXM-14
FWHM	66.0°
Efficiency	88 %
Peak intensity	0.640 cd/lm
Required components:	



LUMINUS

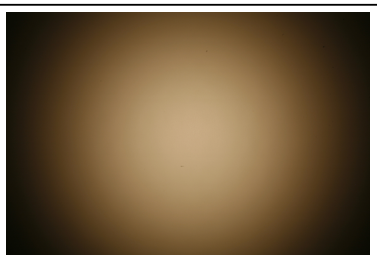
LED	CXM-6
FWHM	66.0°
Efficiency	89 %
Peak intensity	0.730 cd/lm
Required components:	

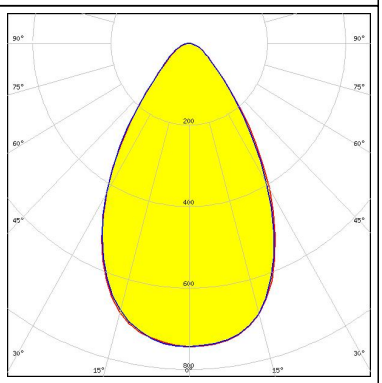




LUMINUS

LED	CXM-7
FWHM	64.0°
Efficiency	89 %
Peak intensity	0.750 cd/lm
Required components:	

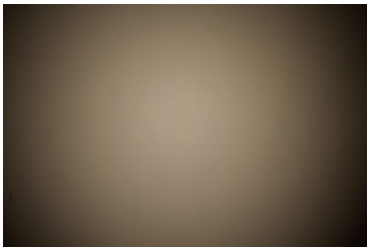


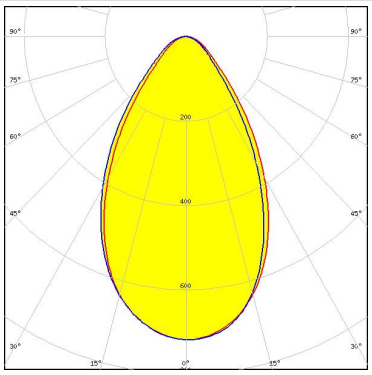


PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CXM-9
FWHM	63.0°
Efficiency	88 %
Peak intensity	0.720 cd/lm
Required components:	



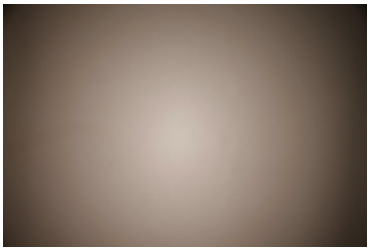


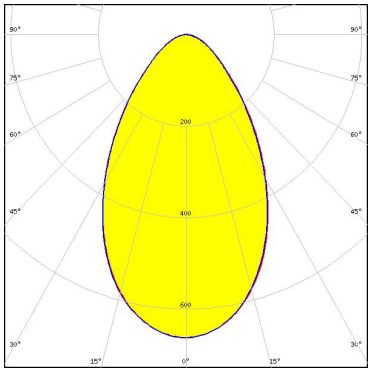
OSRAM
Opto Semiconductors

LED	Duris S10
FWHM	74.0°
Efficiency	91 %
Peak intensity	0.670 cd/lm
Required components:	

OSRAM
Opto Semiconductors

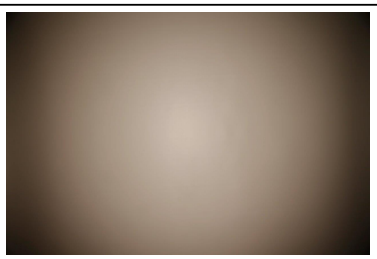
LED	Soleriq P13
FWHM	64.0°
Efficiency	89 %
Peak intensity	0.660 cd/lm
Required components:	

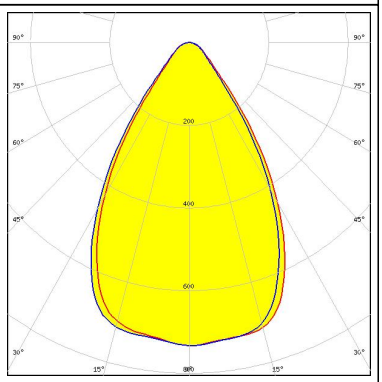




OSRAM
Opto Semiconductors

LED	Soleriq P6
FWHM	65.0°
Efficiency	89 %
Peak intensity	0.840 cd/lm
Required components:	

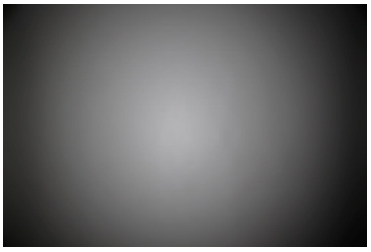




PHOTOMETRIC DATA (MEASURED):

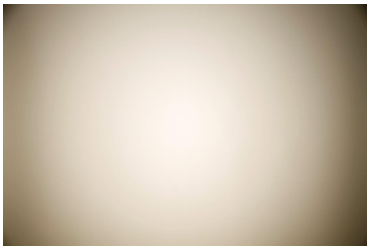
OSRAM
Opto Semiconductors

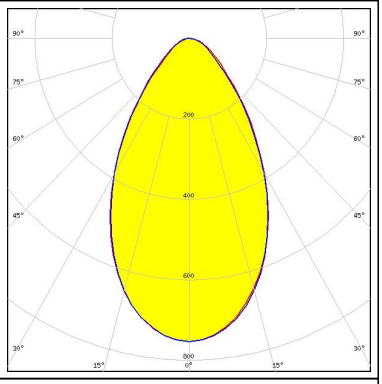
LED	Soleriq P9
FWHM	58.0°
Efficiency	90 %
Peak intensity	0.840 cd/lm
Required components:	



OSRAM
Opto Semiconductors

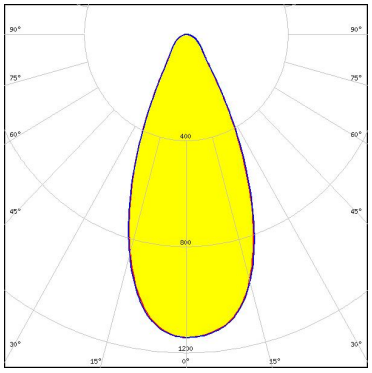
LED	Soleriq S13
FWHM	61.0°
Efficiency	91 %
Peak intensity	0.800 cd/lm
Required components:	





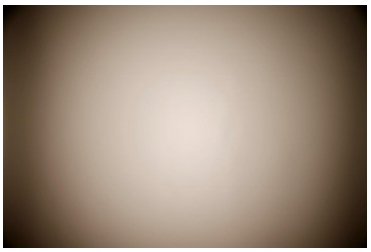
SEOUL SEMICONDUCTOR

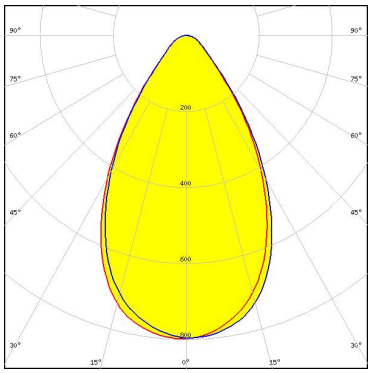
LED	MJT COB LES 6
FWHM	46.0°
Efficiency	87 %
Peak intensity	1.100 cd/lm
Required components:	
Bender Wirth: 434 Typ L6	



SHARP

LED	Mini Zenigata (GW6BM)
FWHM	62.0°
Efficiency	92 %
Peak intensity	0.800 cd/lm
Required components:	



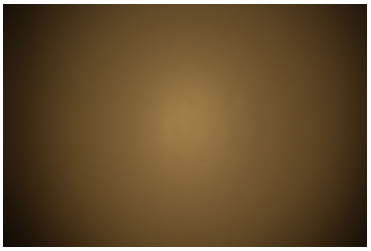


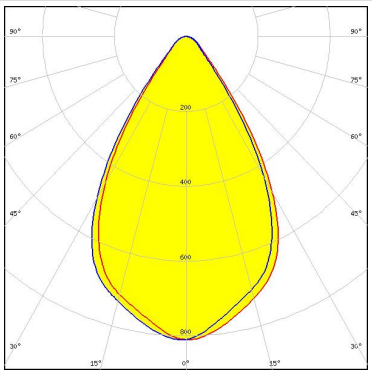
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	SLE G5 LES6
FWHM	64.0°
Efficiency	89 %
Peak intensity	0.800 cd/lm

Required components:





PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON CoB Compact
FWHM	67.0°
Efficiency	90 %
Peak intensity	0.700 cd/lm

Required components:

LUMINUS

LED	CXM-14
FWHM	61.0°
Efficiency	84 %
Peak intensity	0.610 cd/lm

Required components:

Bender Wirth: 433 Typ L6

LUMINUS

LED	CXM-9
FWHM	47.0°
Efficiency	86 %
Peak intensity	1.000 cd/lm

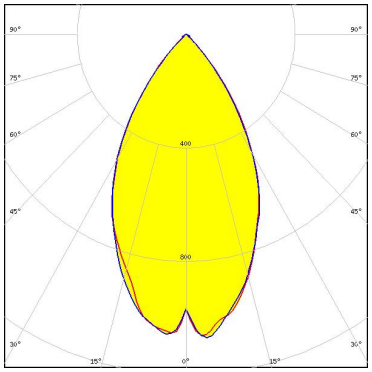
Required components:

Bender Wirth: 434 Typ L6

OSRAM
Opto Semiconductors

LED	Soleriq S9
FWHM	56.0°
Efficiency	93 %
Peak intensity	1.100 cd/lm

Required components:



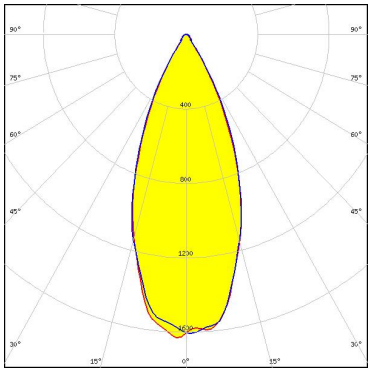
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LC020C
FWHM	42.0°
Efficiency	87 %
Peak intensity	1.600 cd/lm

Required components:

Bender Wirth: 479 Typ L6

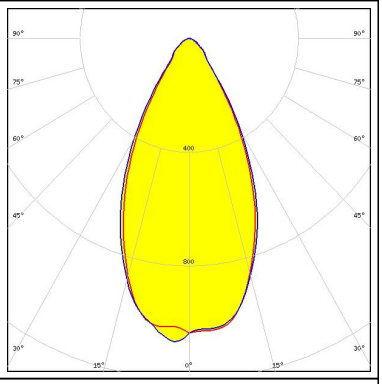


SAMSUNG

LED	LC040C
FWHM	51.0°
Efficiency	87 %
Peak intensity	1.100 cd/lm

Required components:

Bender Wirth: 480 Typ L6



SEOUL SEMICONDUCTOR

LED	ZC12/18
FWHM	61.0°
Efficiency	84 %
Peak intensity	0.610 cd/lm

Required components:

Bender Wirth: 433 Typ L6

SEOUL SEMICONDUCTOR

LED	ZC4/6
FWHM	47.0°
Efficiency	86 %
Peak intensity	1.000 cd/lm

Required components:

Bender Wirth: 434 Typ L6

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.

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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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