WINNIE-M

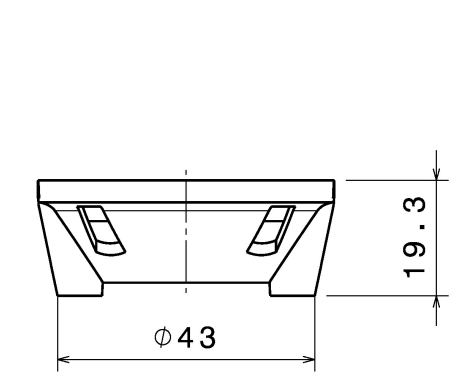
~35° medium beam. Holder with 35 mm screw hole distance according to Zhaga standard. Compatible with Bender+Wirth 4xx Typ L5 connector.

TECHNICAL SPECIFICATIONS:

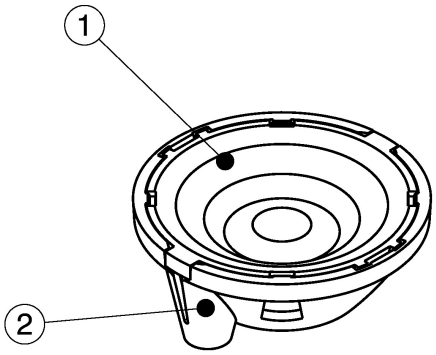
Dimensions	Ø 49.8 mm
Height	19.3 mm
Fastening	screw
Colour	white
Box size	
Box weight	0 kg
Quantity in Box	364 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

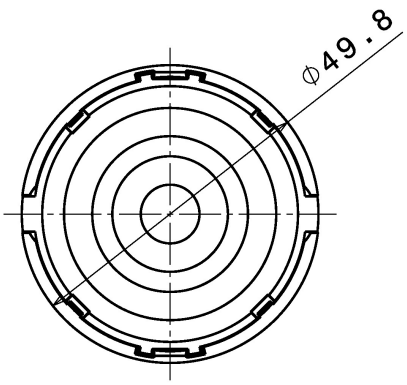
Component	Type	Material	Colour
WINNIE-M	Lens	PMMA	clear
WINNIE-HOLDER	Holder	PC	white



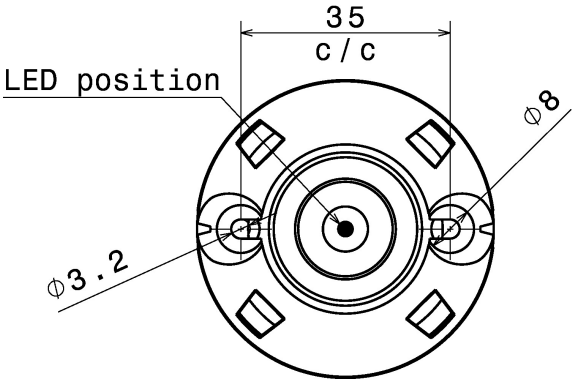
Front view



Isometric view



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14233	WINNIE-M	PMMA	clear
2	C14235	WINNIE-HOLDER	PC	white

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

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
CN14237_WINNIE-M

SIZE A4

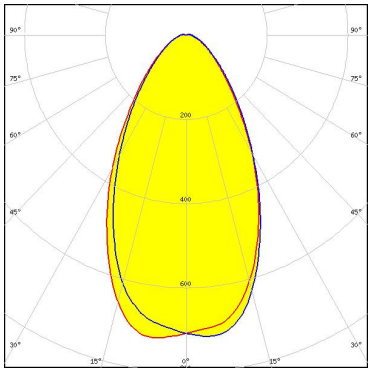
PART NUMBER
CN14237

SCALE 1:1 | WEIGHT 17,74 g | SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	V18 Gen6
FWHM	58.0°
Efficiency	88 %
Peak intensity	0.720 cd/lm
Required components:	



bridgelux

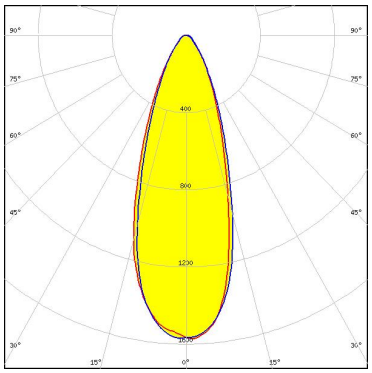
LED	V6 Gen6
FWHM	27.0°
Efficiency	86 %
Peak intensity	2.400 cd/lm
Required components:	

bridgelux

LED	V8 Gen6
FWHM	31.0°
Efficiency	85 %
Peak intensity	1.800 cd/lm
Required components:	

bridgelux

LED	VERO10
FWHM	36.0°
Efficiency	89 %
Peak intensity	1.600 cd/lm
Required components:	



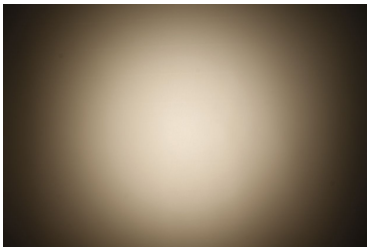
PHOTOMETRIC DATA (MEASURED):

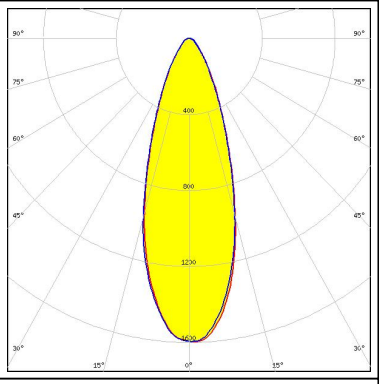
CITIZEN

LED	CLL01x
FWHM	27.0°
Efficiency	85 %
Peak intensity	2.400 cd/lm
Required components:	

CITIZEN

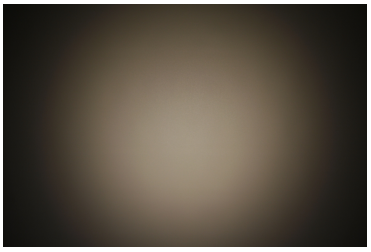
LED	CLL02x/CLU02x (LES10)
FWHM	35.0°
Efficiency	86 %
Peak intensity	1.600 cd/lm
Required components:	
Bender Wirth: 434 Typ L5	





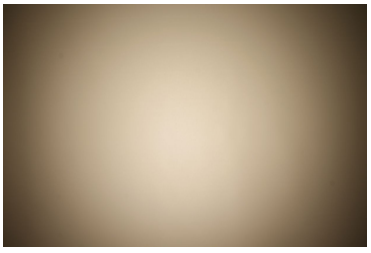
CITIZEN

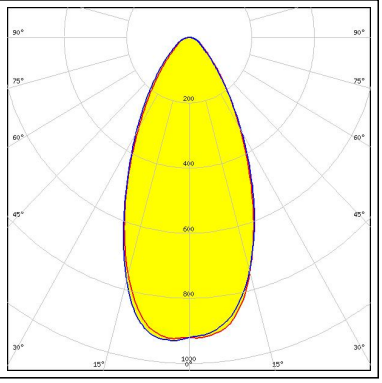
LED	CLL02x/CLU02x (LES10)
FWHM	35.0°
Efficiency	87 %
Peak intensity	2.300 cd/lm
Required components:	



CITIZEN

LED	CLL03x/CLU03x
FWHM	49.0°
Efficiency	86 %
Peak intensity	0.930 cd/lm
Required components:	
Bender Wirth: 433 Typ L5	

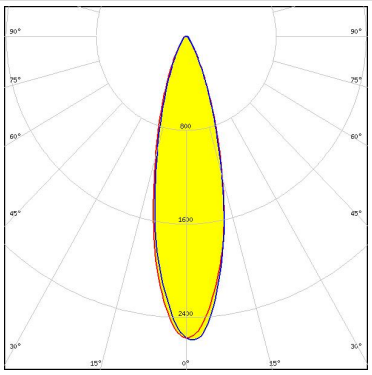




PHOTOMETRIC DATA (MEASURED):

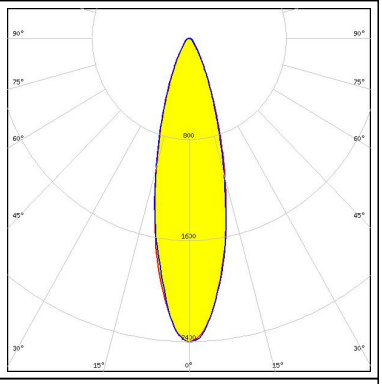
CITIZEN

LED	CLU700/701
FWHM	27.0°
Efficiency	89 %
Peak intensity	2.600 cd/lm
Required components:	



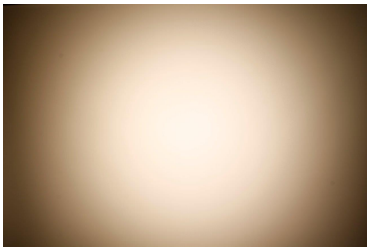
CITIZEN

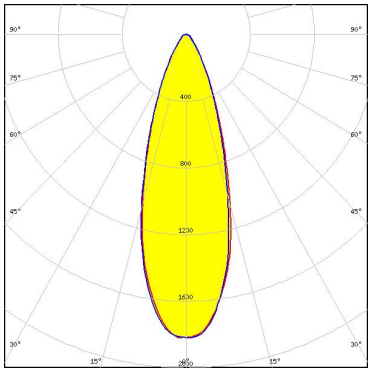
LED	CLU700/701
FWHM	28.0°
Efficiency	87 %
Peak intensity	2.400 cd/lm
Required components:	
Bender Wirth: 434 Typ L5	



CITIZEN

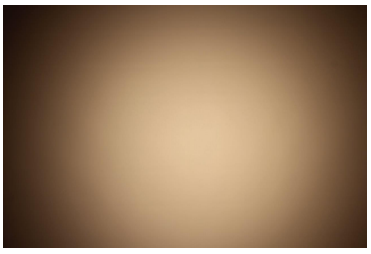
LED	CLU710/711
FWHM	33.0°
Efficiency	87 %
Peak intensity	1.800 cd/lm
Required components:	
Bender Wirth: 470 Typ L5	

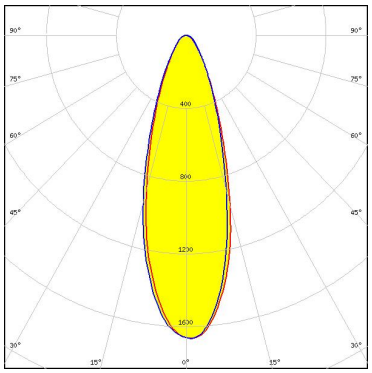




CITIZEN

LED	CLU710/711
FWHM	32.0°
Efficiency	86 %
Peak intensity	1.700 cd/lm
Required components:	

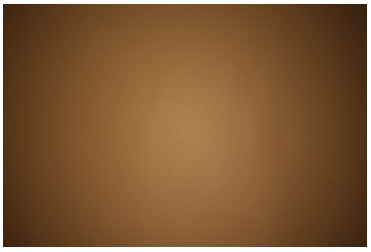


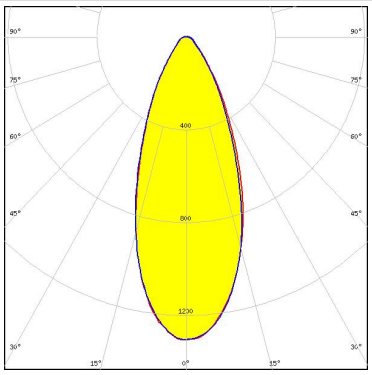


PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLU720/721
FWHM	41.0°
Efficiency	90 %
Peak intensity	1.300 cd/lm
Required components:	
Bender Wirth: 433 Typ L5	



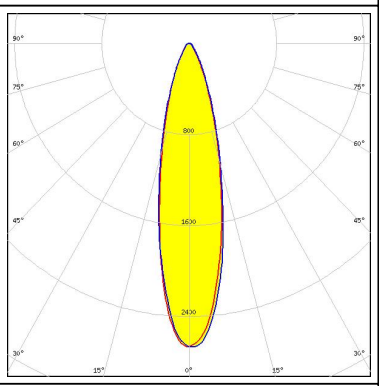


CREE

LED	CXA/B 13xx
FWHM	26.0°
Efficiency	87 %
Peak intensity	2.800 cd/lm
Required components:	

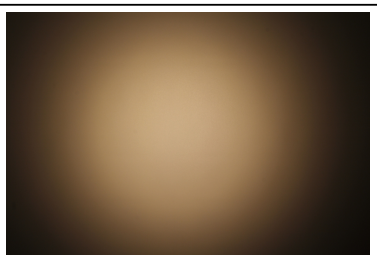
CREE

LED	CXA/B 13xx
FWHM	25.0°
Efficiency	88 %
Peak intensity	2.700 cd/lm
Required components:	



CREE

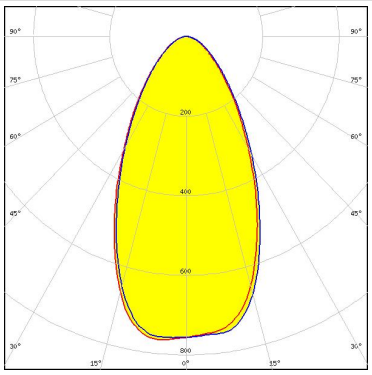
LED	CXA/B 15xx
FWHM	31.0°
Efficiency	86 %
Peak intensity	2.100 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

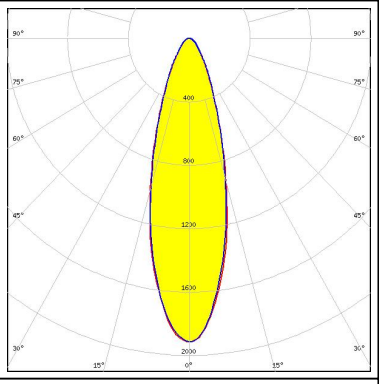
CREE

LED	CXA/B 25xx
FWHM	55.0°
Efficiency	85 %
Peak intensity	0.770 cd/lm
Required components:	



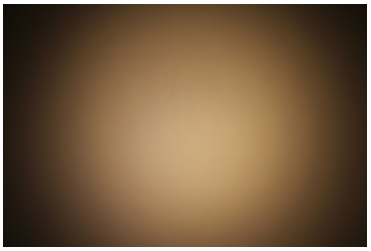
CREE

LED	MHD-E/G
FWHM	30.0°
Efficiency	87 %
Peak intensity	1.900 cd/lm
Required components:	



LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM	34.0°
Efficiency	86 %
Peak intensity	1.700 cd/lm
Required components:	



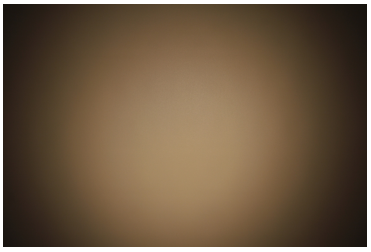
LUMILEDS

LED	LUXEON CoB 1202s
FWHM	27.0°
Efficiency	86 %
Peak intensity	2.500 cd/lm
Required components:	

PHOTOMETRIC DATA (MEASURED):

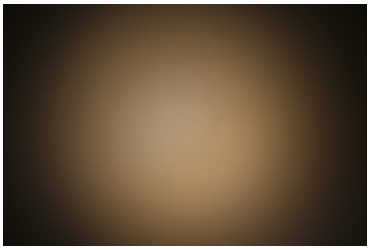
LUMINUS

LED	CXM-14
FWHM	45.0°
Efficiency	85 %
Peak intensity	1.000 cd/lm
Required components:	



LUMINUS

LED	CXM-9
FWHM	36.0°
Efficiency	87 %
Peak intensity	1.700 cd/lm
Required components:	



OSRAM
Opto Semiconductors

LED	Duris S10
FWHM	24.0°
Efficiency	88 %
Peak intensity	3.100 cd/lm
Required components:	

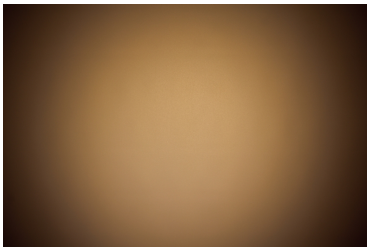
OSRAM
Opto Semiconductors

LED	Soleriq S13
FWHM	41.0°
Efficiency	85 %
Peak intensity	1.200 cd/lm
Required components:	

PHOTOMETRIC DATA (MEASURED):

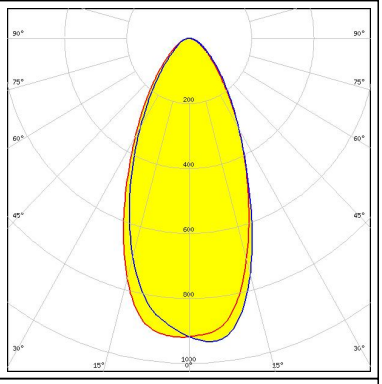
OSRAM
Opto Semiconductors

LED	Soleriq S19
FWHM	55.0°
Efficiency	83 %
Peak intensity	0.800 cd/lm
Required components:	



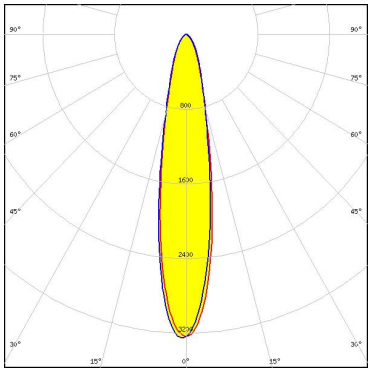
SAMSUNG

LED	COB D Series LES 14.5 mm
FWHM	48.0°
Efficiency	85 %
Peak intensity	0.940 cd/lm
Required components:	



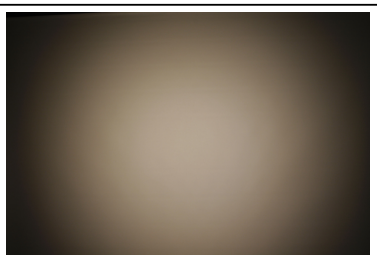
SAMSUNG

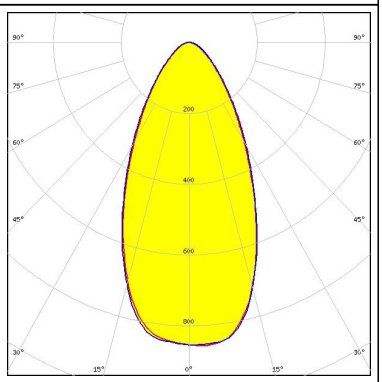
LED	COB D Series LES 9.8 mm
FWHM	35.0°
Efficiency	87 %
Peak intensity	1.600 cd/lm
Required components:	



SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM	51.0°
Efficiency	84 %
Peak intensity	0.900 cd/lm
Required components:	
Bender Wirth: 433 Typ L5	

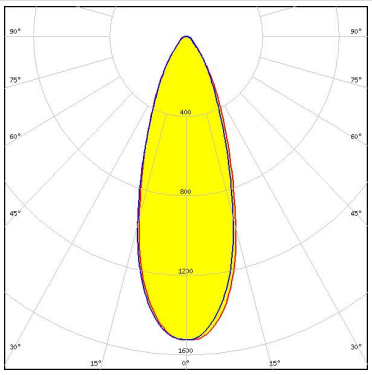




PHOTOMETRIC DATA (MEASURED):

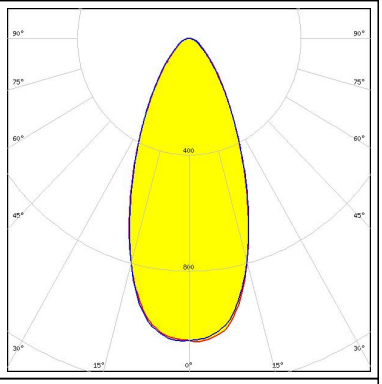
SEOUL SEMICONDUCTOR

LED	MJT COB LES 9.8
FWHM	36.0°
Efficiency	89 %
Peak intensity	1.500 cd/lm
Required components:	
Bender Wirth: 434 Typ L5	



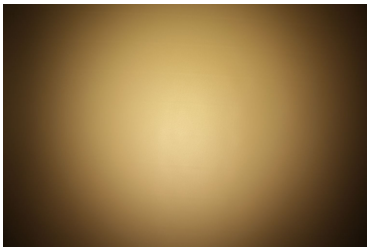
SEOUL SEMICONDUCTOR

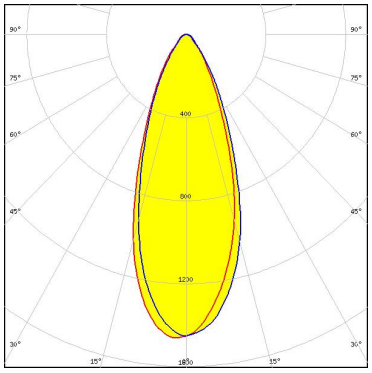
LED	ZC12/18
FWHM	46.0°
Efficiency	87 %
Peak intensity	1.000 cd/lm
Required components:	
Bender Wirth: 433 Typ L5	



TRIDONIC

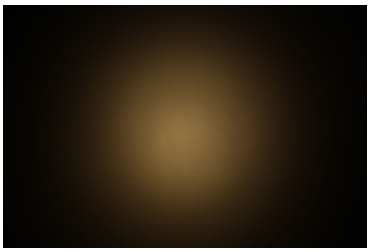
LED	SLE G5 LES11
FWHM	39.0°
Efficiency	87 %
Peak intensity	1.500 cd/lm
Required components:	

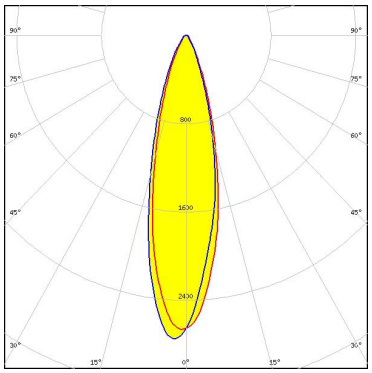




TRIDONIC

LED	SLE G5 LES6
FWHM	26.0°
Efficiency	86 %
Peak intensity	2.800 cd/lm
Required components:	





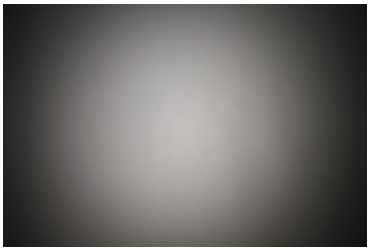
PHOTOMETRIC DATA (MEASURED):

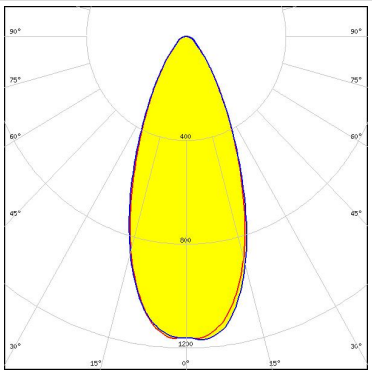
LIGHTING SOLUTIONS

LED	DMC 124 / 125
FWHM	44.0°
Efficiency	88 %
Peak intensity	1.200 cd/lm

Required components:

Bender Wirth: 433 Typ L5



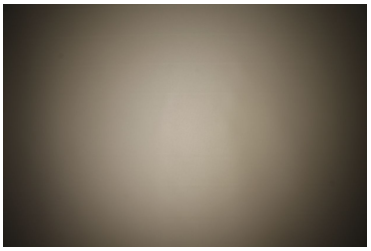


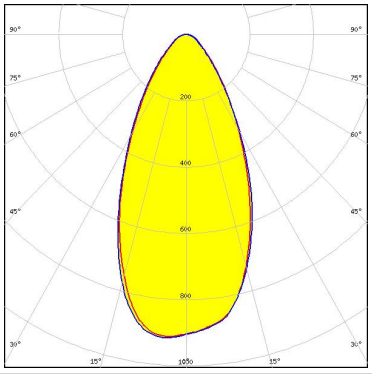
LIGHTING SOLUTIONS

LED	DMC 128
FWHM	50.0°
Efficiency	87 %
Peak intensity	0.920 cd/lm

Required components:

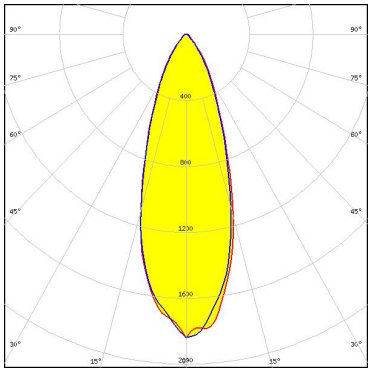
Bender Wirth: 433 Typ L5





PHOTOMETRIC DATA (SIMULATED):

CITIZEN



LED	CLL02x/CLU02x (LES10)
FWHM	35.0°
Efficiency	92 %
Peak intensity	1.800 cd/lm
Required components:	

LUMILEDS

LED	LUXEON CoB Compact
FWHM	27.0°
Efficiency	86 %
Peak intensity	2.500 cd/lm
Required components:	

LUMINUS

LED	CXM-14
FWHM	49.0°
Efficiency	86 %
Peak intensity	0.930 cd/lm
Required components:	

Bender Wirth: 433 Typ L5

LUMINUS

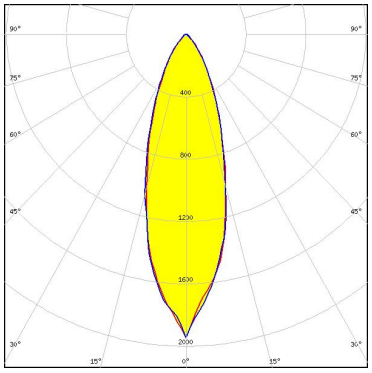
LED	CXM-9
FWHM	35.0°
Efficiency	86 %
Peak intensity	1.600 cd/lm
Required components:	

Bender Wirth: 434 Typ L5

PHOTOMETRIC DATA (SIMULATED):

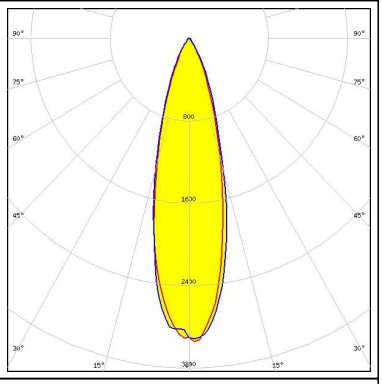
OSRAM
Opto Semiconductors

LED	Soleriq S9
FWHM	32.0°
Efficiency	90 %
Peak intensity	1.900 cd/lm
Required components:	



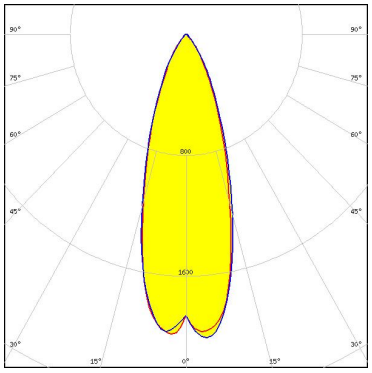
SAMSUNG

LED	LC010C
FWHM	27.0°
Efficiency	92 %
Peak intensity	3.000 cd/lm
Required components:	
Bender Wirth: 479 Typ L5	



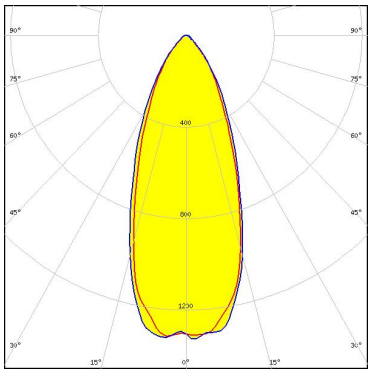
SAMSUNG

LED	LC020C
FWHM	32.0°
Efficiency	90 %
Peak intensity	2.100 cd/lm
Required components:	
Bender Wirth: 479 Typ L5	



SAMSUNG

LED	LC040C
FWHM	40.0°
Efficiency	89 %
Peak intensity	1.400 cd/lm
Required components:	
Bender Wirth: 479 Typ L5	



PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR

LED	ZC4/6
FWHM	35.0°
Efficiency	86 %
Peak intensity	1.600 cd/lm

Required components:

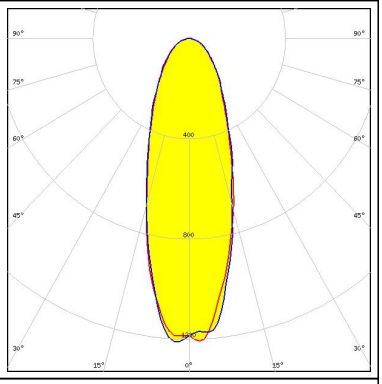
Bender Wirth: 434 Typ L5

TRIDONIC

LED	SLE G6 LES10
FWHM	33.0°
Efficiency	89 %
Peak intensity	1.250 cd/lm

Required components:

Bender Wirth: 434 Typ L5

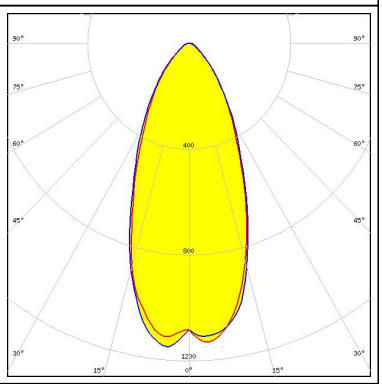


TRIDONIC

LED	SLE G6 LES15
FWHM	44.0°
Efficiency	92 %
Peak intensity	1.200 cd/lm

Required components:

Bender Wirth: 433 Typ L5

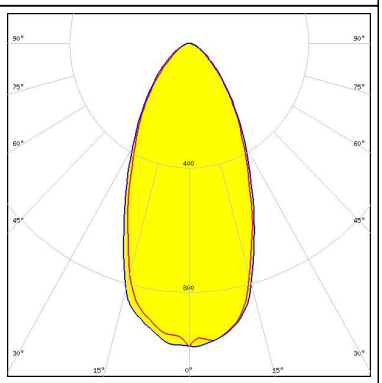


TRIDONIC

LED	SLE G6 LES17
FWHM	50.0°
Efficiency	93 %
Peak intensity	1.000 cd/lm

Required components:

Bender Wirth: 433 Typ L5



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.

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