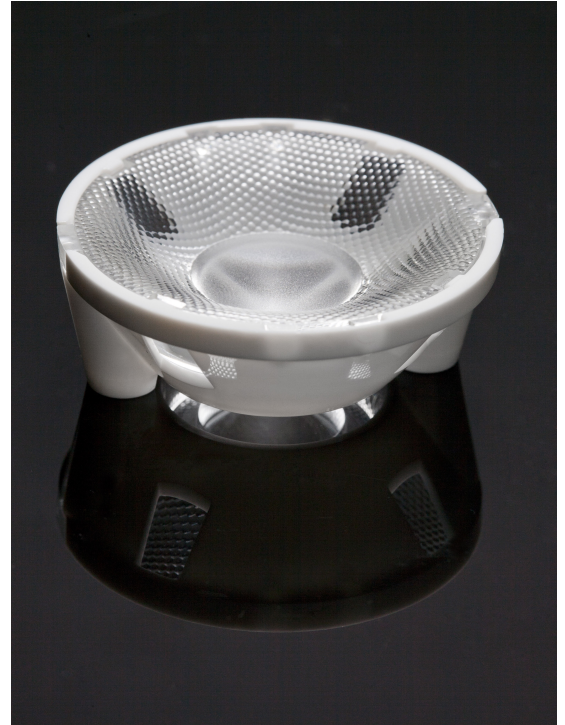


WINNIE-M

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

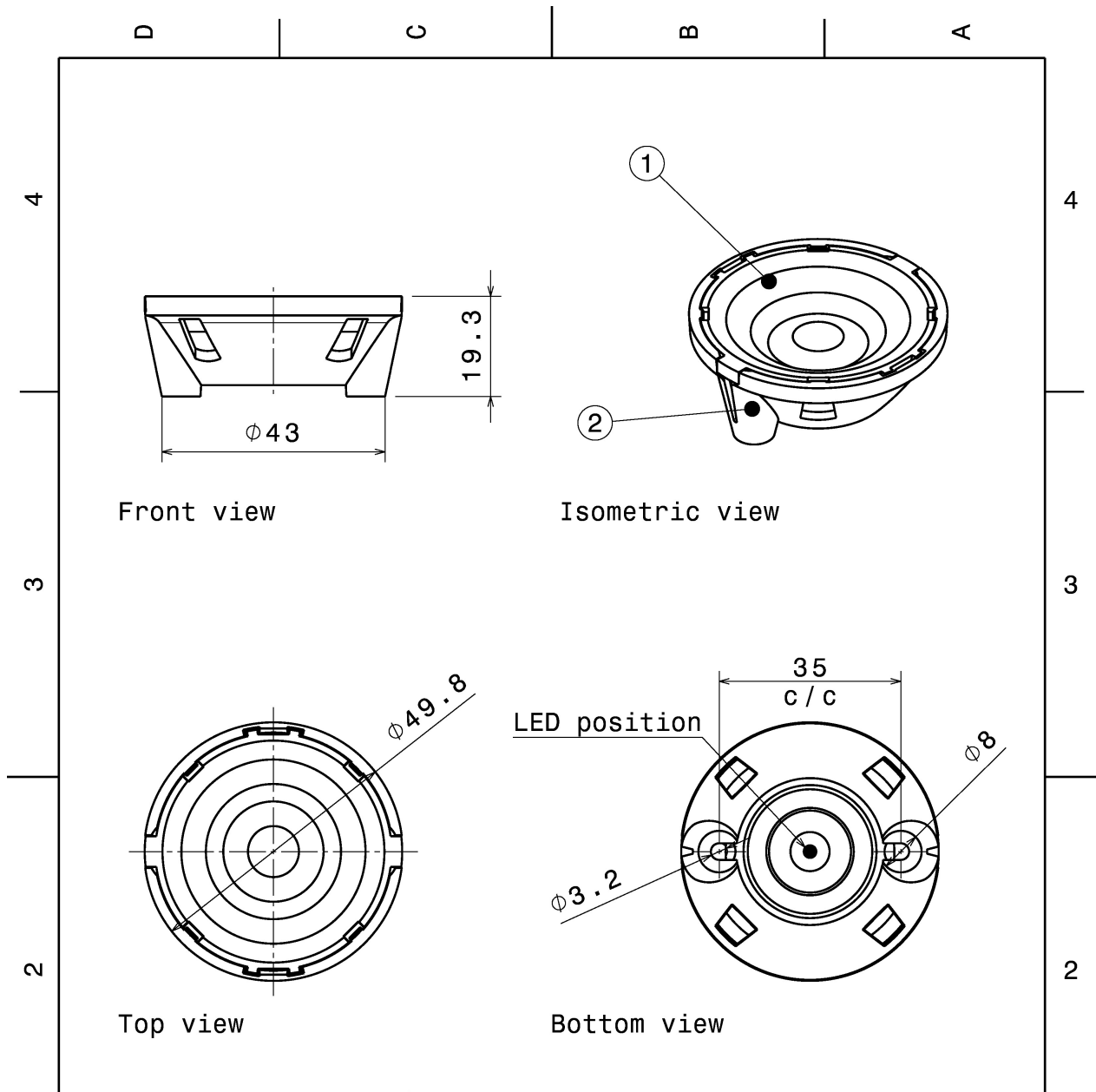
TECHNICAL SPECIFICATIONS:

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



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

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE

CN14237_WINNIE-M

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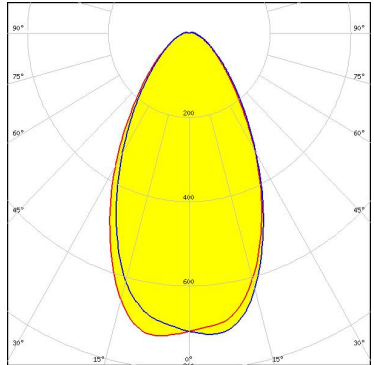
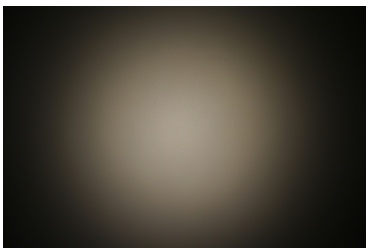

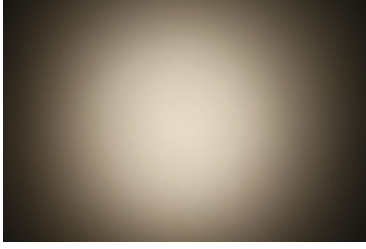
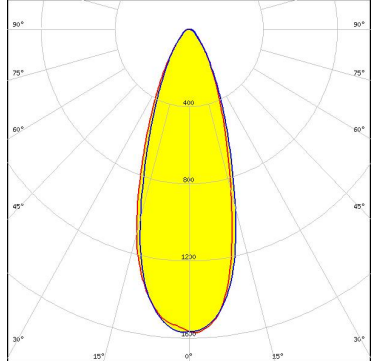
SIZE PART NUMBER

A4

CN14237

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

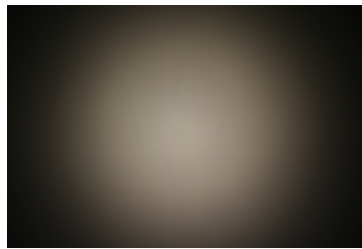
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V18 Gen6</p> <p>FWHM 58.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.720 cd/lm</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 27.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.400 cd/lm</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 31.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.800 cd/lm</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 36.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 1.600 cd/lm</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

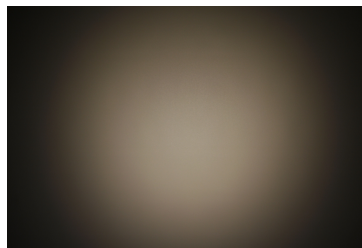
CITIZEN

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



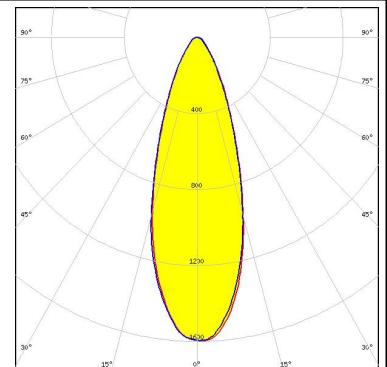
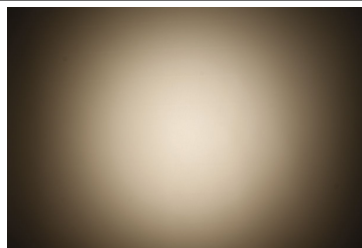
CITIZEN

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



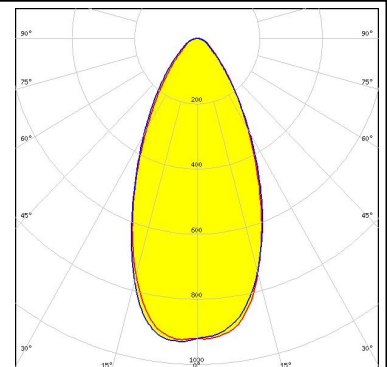
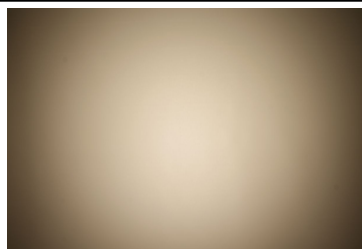
CITIZEN

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



CITIZEN

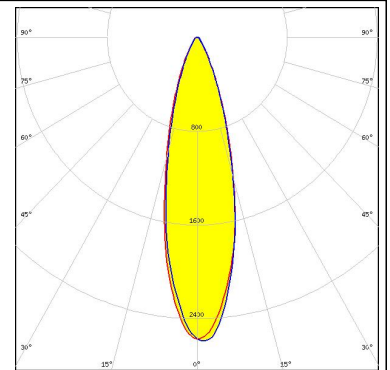
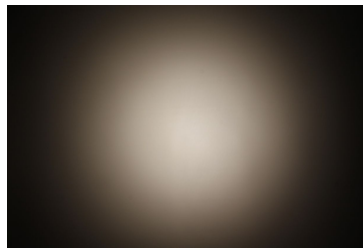
LED CLL03x/CLU03x
 FWHM 49.0°
 Efficiency 86 %
 Peak intensity 0.930 cd/lm
 Required components:
 Bender Wirth: 433 Typ L5



PHOTOMETRIC DATA (MEASURED):

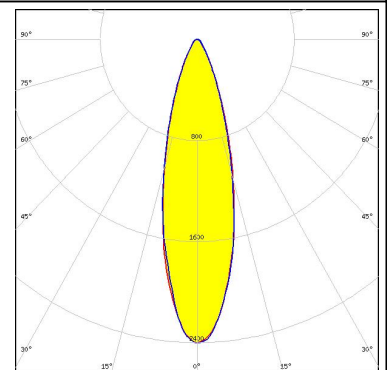
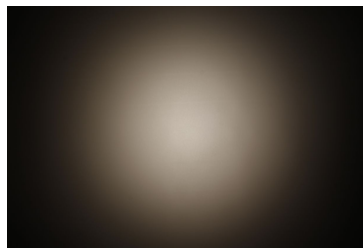
CITIZEN

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



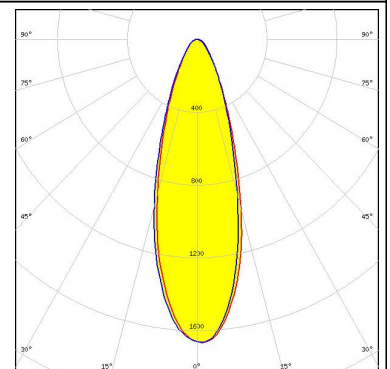
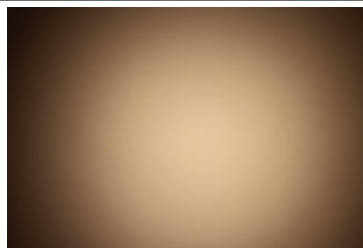
CITIZEN

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



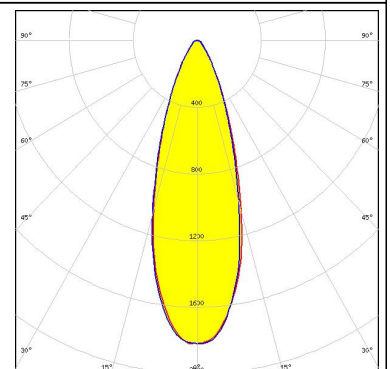
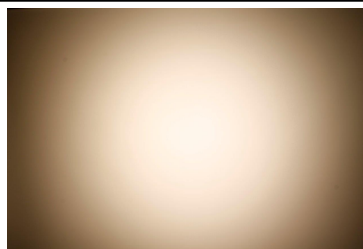
CITIZEN

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



CITIZEN

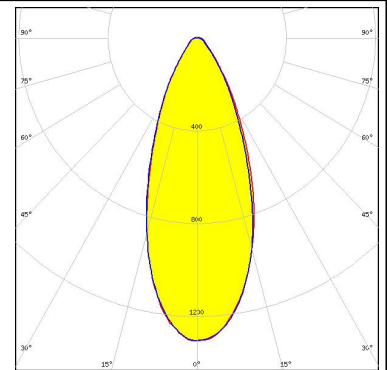
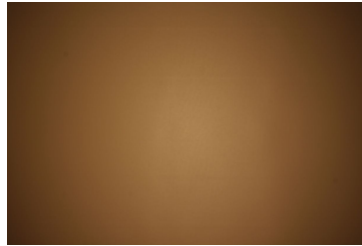
LED CLU710/711
 FWHM 33.0°
 Efficiency 87 %
 Peak intensity 1.800 cd/lm
 Required components:
 Bender Wirth: 470 Typ L5



PHOTOMETRIC DATA (MEASURED):

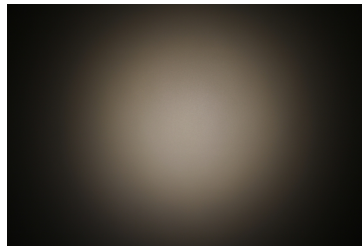
CITIZEN

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



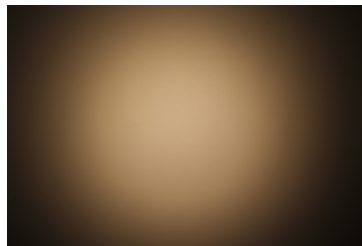
CREE

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



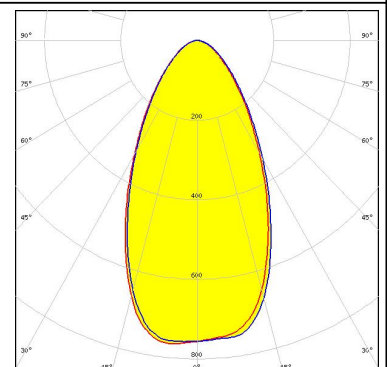
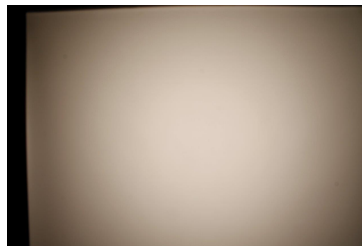
CREE

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



CREE

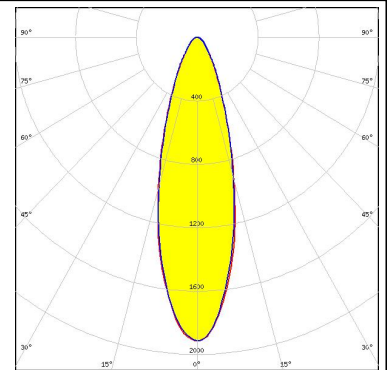
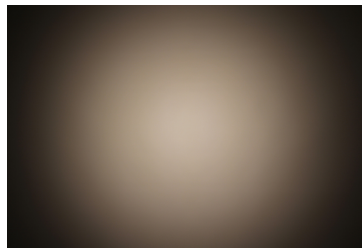
LED CXA/B 25xx
 FWHM 55.0°
 Efficiency 85 %
 Peak intensity 0.770 cd/lm
 Required components:



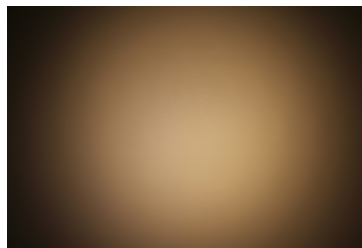
PHOTOMETRIC DATA (MEASURED):



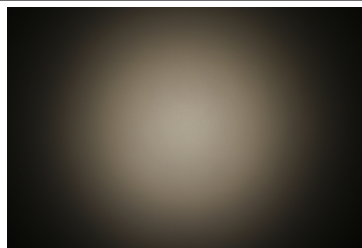
LED MHD-E/G
FWHM 30.0°
Efficiency 87 %
Peak intensity 1.900 cd/lm
Required components:



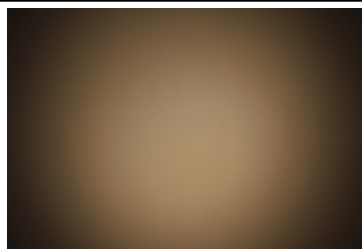
LED LUXEON CoB 1202/1203
FWHM 34.0°
Efficiency 86 %
Peak intensity 1.700 cd/lm
Required components:



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



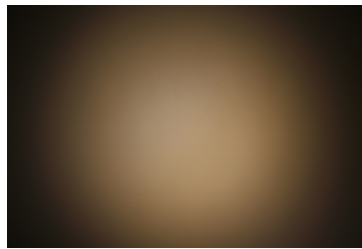
LED CXM-14
FWHM 45.0°
Efficiency 85 %
Peak intensity 1.000 cd/lm
Required components:



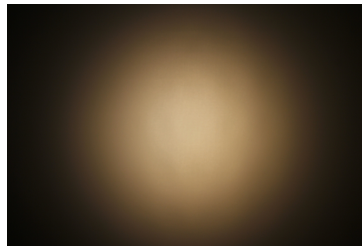
PHOTOMETRIC DATA (MEASURED):



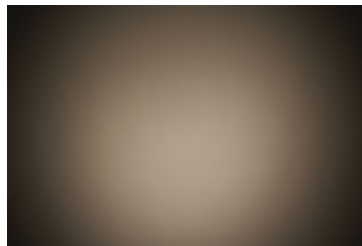
LED CXM-9
FWHM 36.0°
Efficiency 87 %
Peak intensity 1.700 cd/lm
Required components:



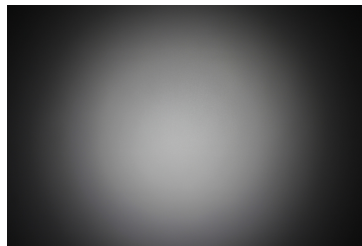
LED Duris S10
FWHM 24.0°
Efficiency 88 %
Peak intensity 3.100 cd/lm
Required components:



LED Soleriq P13
FWHM 45.0°
Efficiency 82 %
Peak intensity 1.000 cd/lm
Required components:



LED Soleriq P6
FWHM 28.0°
Efficiency 86 %
Peak intensity 2.300 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

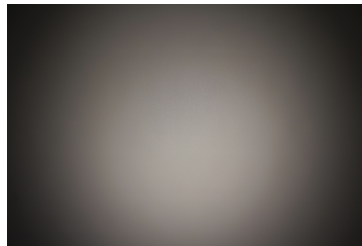
OSRAM
Opto Semiconductors

LED Soleriq P9
FWHM 34.0°
Efficiency 86 %
Peak intensity 1.700 cd/lm
Required components:



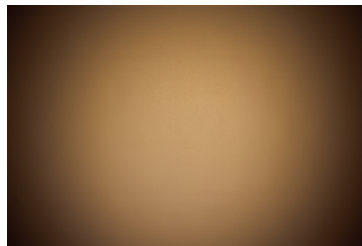
OSRAM
Opto Semiconductors

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



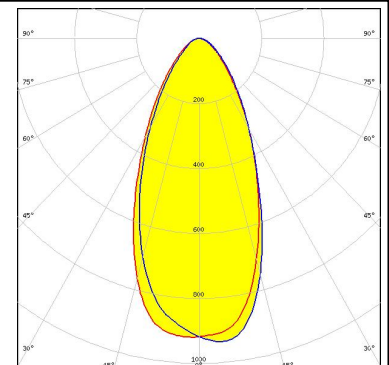
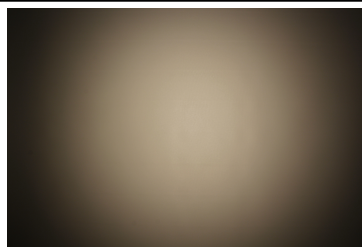
OSRAM
Opto Semiconductors

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



SAMSUNG

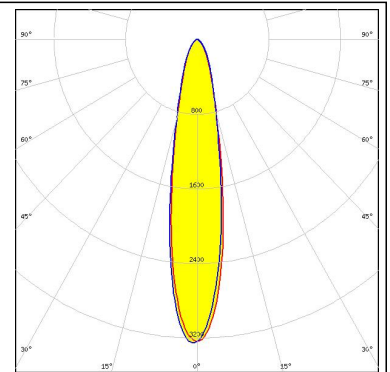
LED COB D Series LES 14.5 mm
FWHM 48.0°
Efficiency 85 %
Peak intensity 0.940 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

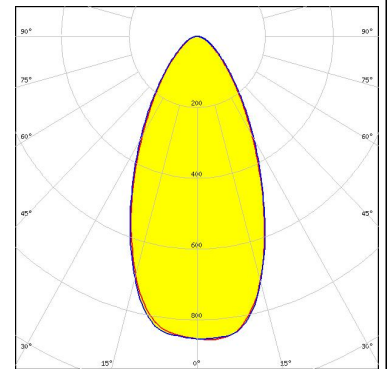
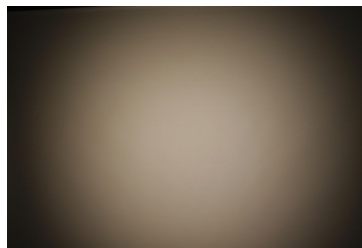
SAMSUNG

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



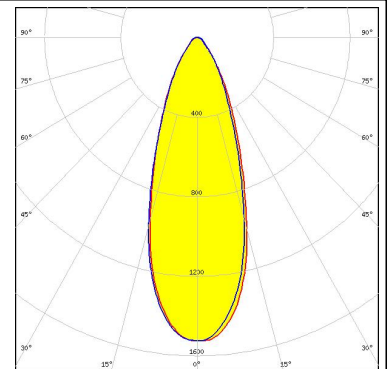
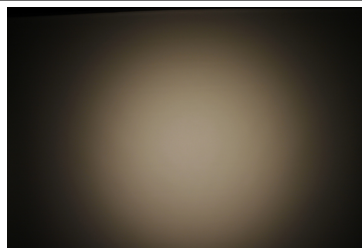
SEOUL SEMICONDUCTOR

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



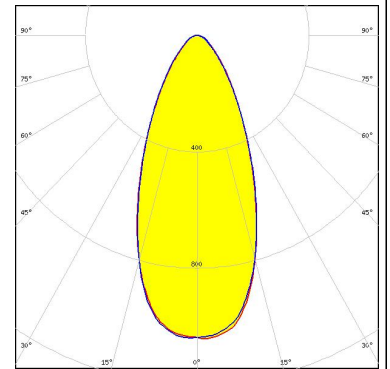
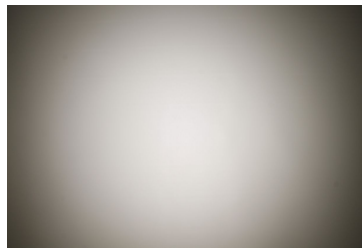
SEOUL SEMICONDUCTOR

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

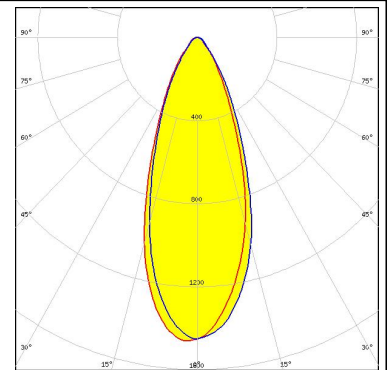
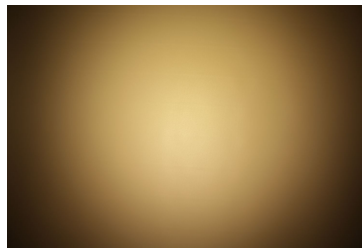
LED ZC12/18
 FWHM 46.0°
 Efficiency 87 %
 Peak intensity 1.000 cd/lm
 Required components:
 Bender Wirth: 433 Typ L5



PHOTOMETRIC DATA (MEASURED):

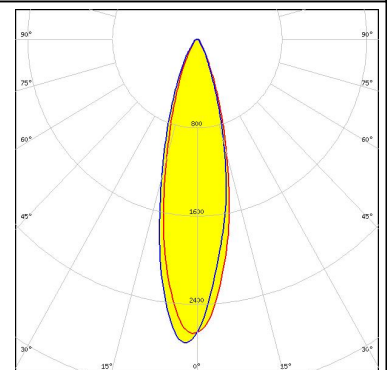
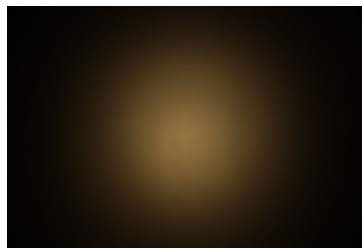
TRIDONIC

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



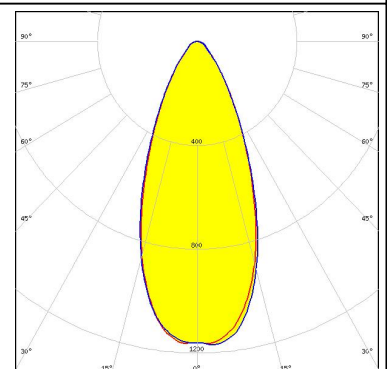
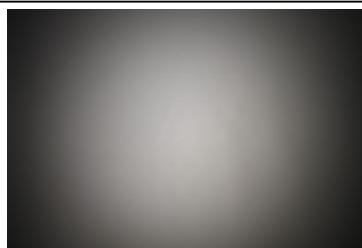
TRIDONIC

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



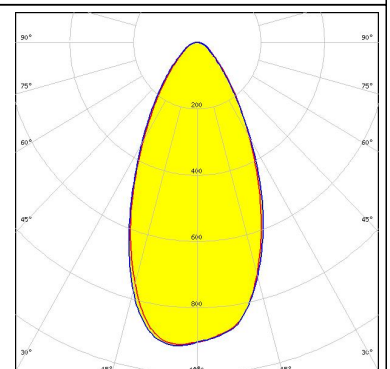
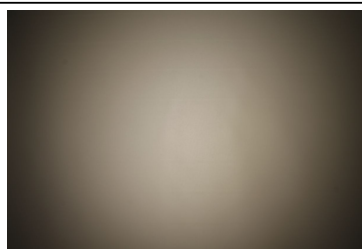
VS LIGHTING SOLUTIONS

LED DMC 124 / 125
 FWHM 44.0°
 Efficiency 88 %
 Peak intensity 1.200 cd/lm
 Required components:
 Bender Wirth: 433 Typ L5



VS LIGHTING SOLUTIONS

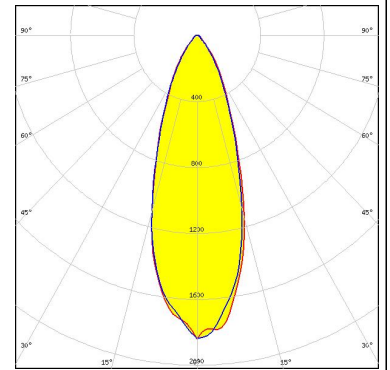
LED DMC 128
 FWHM 50.0°
 Efficiency 87 %
 Peak intensity 0.920 cd/lm
 Required components:
 Bender Wirth: 433 Typ L5



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

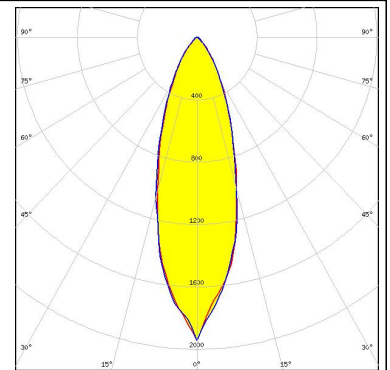
LUMINUS

LED CXM-9
FWHM 35.0°
Efficiency 86 %
Peak intensity 1.600 cd/lm
Required components:
Bender Wirth: 434 Typ L5

PHOTOMETRIC DATA (SIMULATED):

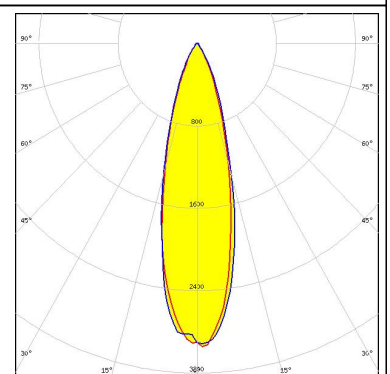
OSRAM
Opto Semiconductors

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



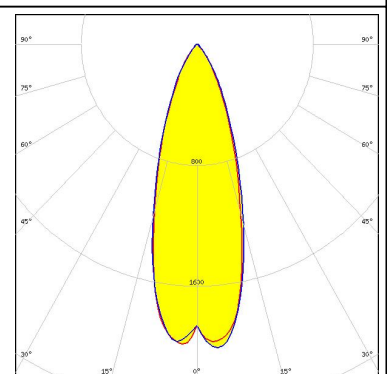
SAMSUNG

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



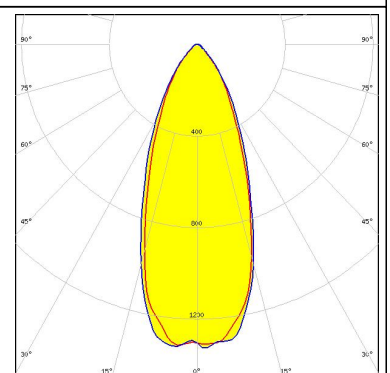
SAMSUNG

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


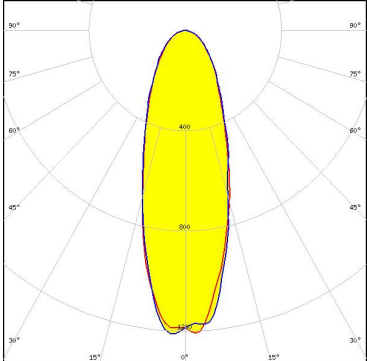
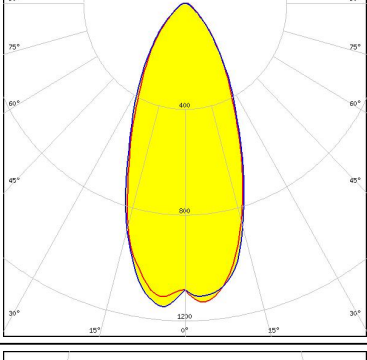
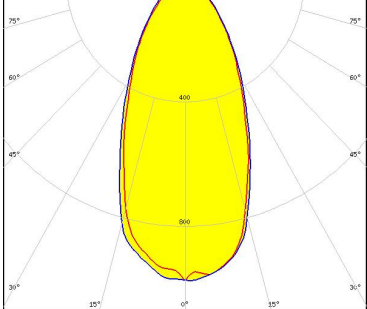


SAMSUNG

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.

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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