

WINNIE-S

~20° spot beam. Holder with 35 mm screw hole distance according to Zhaga standard. Compatible with Bender+Wirth 4xx Typ L5 connector.

TECHNICAL SPECIFICATIONS:

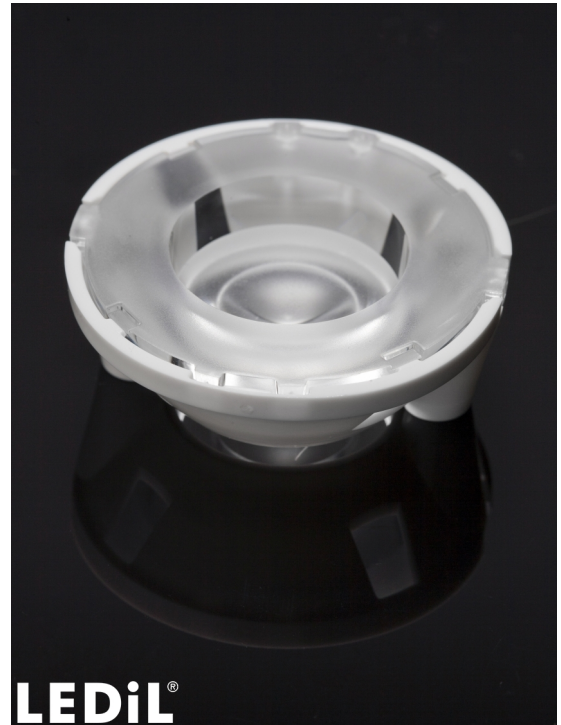
Dimensions	Ø 49.8 mm
Height	19.3 mm
Fastening	screw
ROHS compliant	yes ⓘ

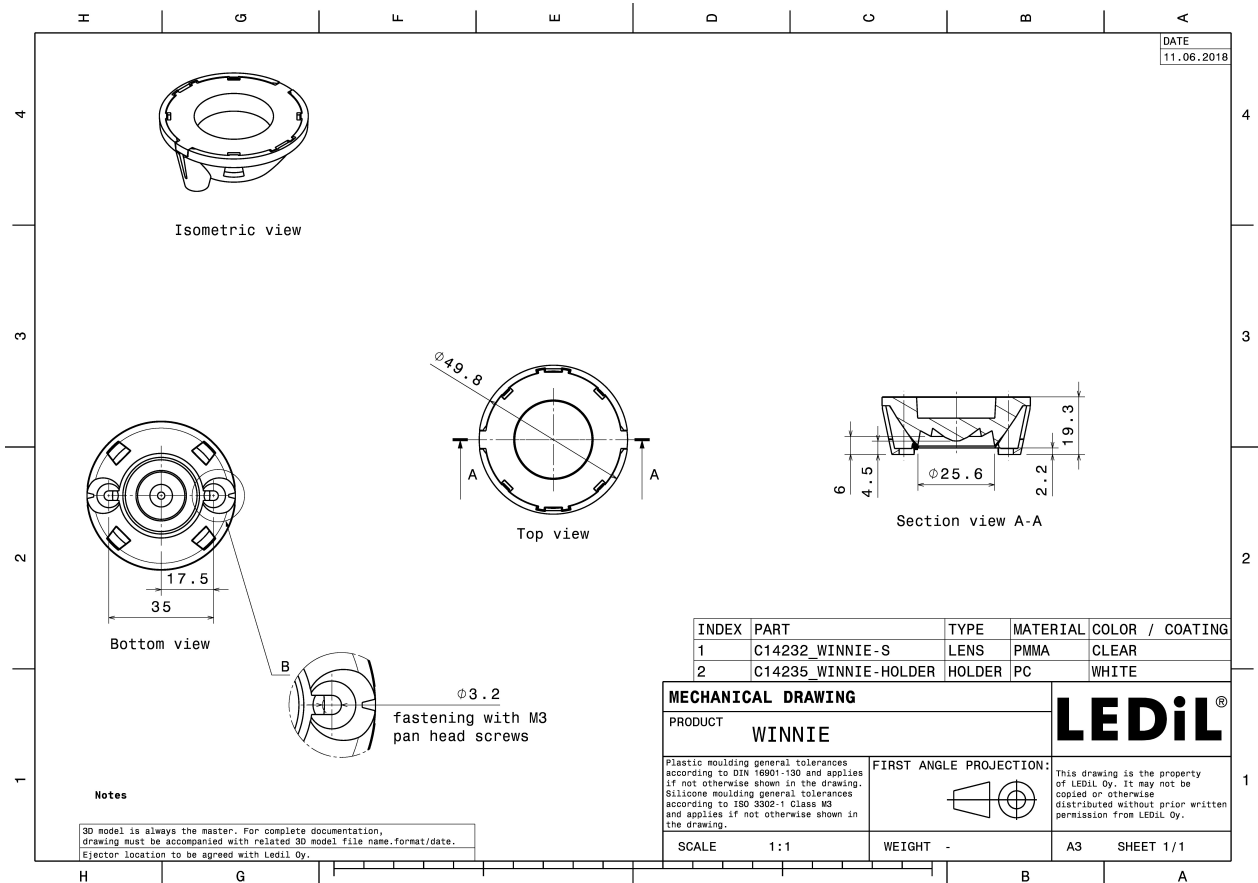
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
WINNIE-S	Single lens	PMMA	clear	
WINNIE-HOLDER	Holder	PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CN14236_WINNIE-S	Single lens	364	84	28	0.0
» Box size:					

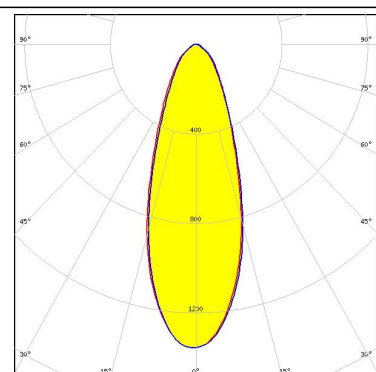
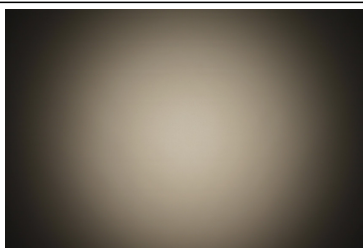




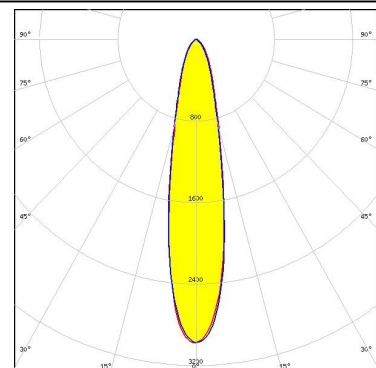
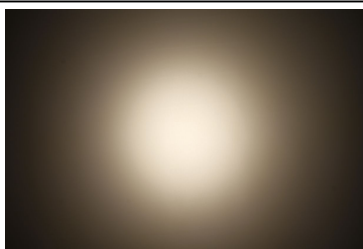
PHOTOMETRIC DATA (MEASURED):



LED V18 Gen6
FWHM 36.0°
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

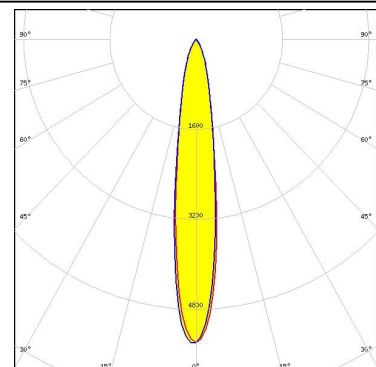
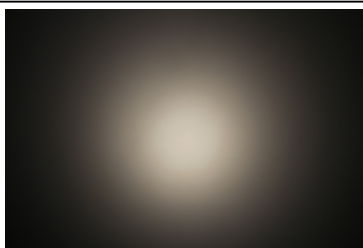


LED VERO10
FWHM 21.0°
Efficiency 89 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



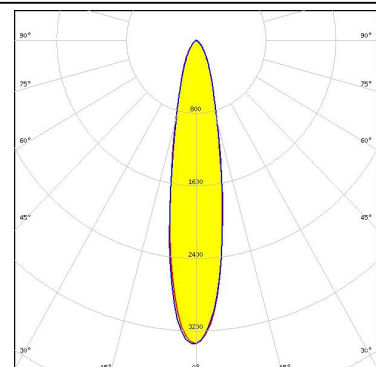
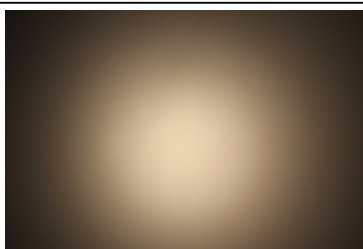
CITIZEN

LED CLL01x
FWHM 16.0°
Efficiency 87 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CITIZEN

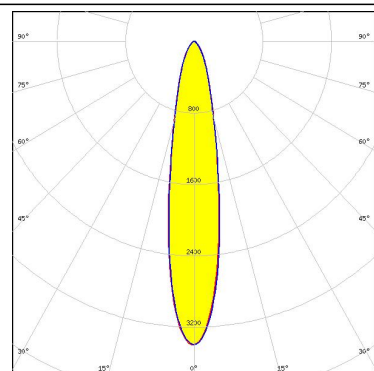
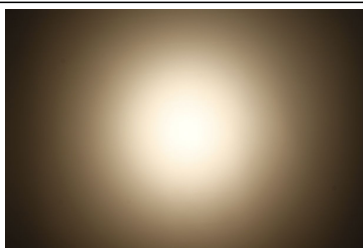
LED CLL02x/CLU02x (LES10)
FWHM 21.0°
Efficiency 87 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

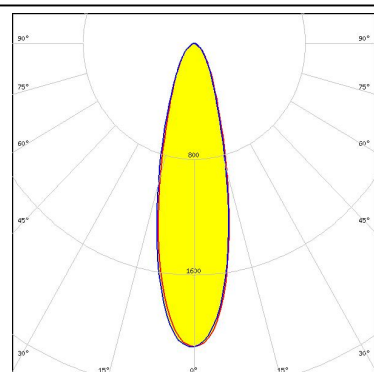
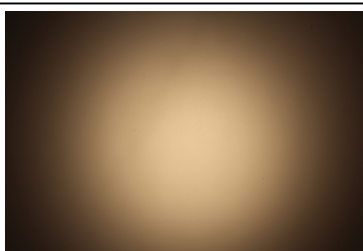
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 20.0°
Efficiency 88 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 434 Typ L5



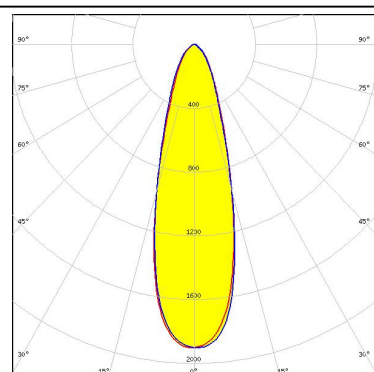
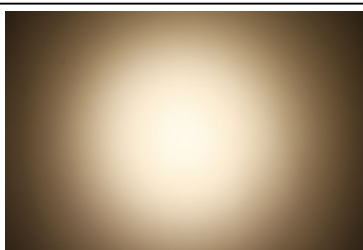
CITIZEN

LED CLL03x/CLU03x
FWHM 28.0°
Efficiency 87 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



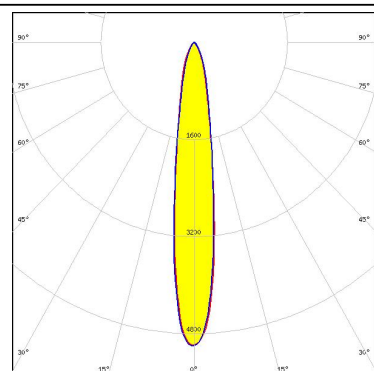
CITIZEN

LED CLL03x/CLU03x
FWHM 30.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 433 Typ L5



CITIZEN

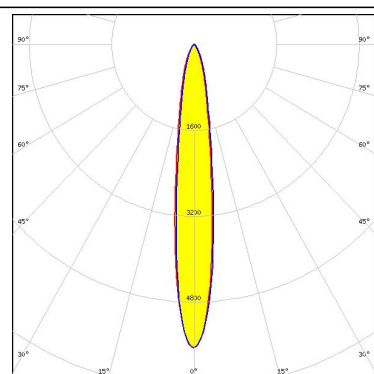
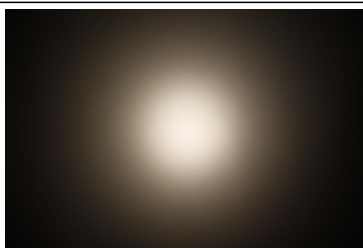
LED CLU700/701/702
FWHM 15.0°
Efficiency 89 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

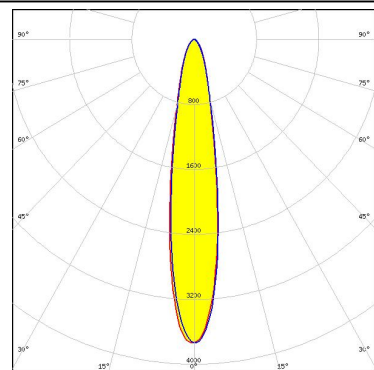
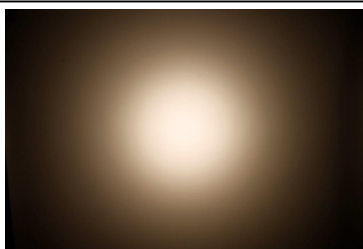
CITIZEN

LED CLU700/701/702
FWHM 15.0°
Efficiency 90 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 434 Typ L5



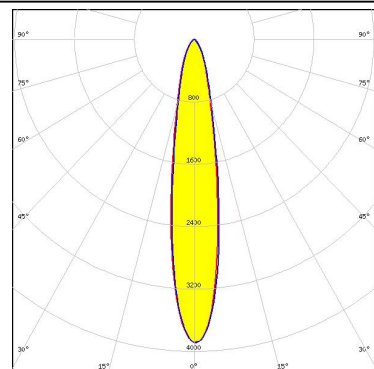
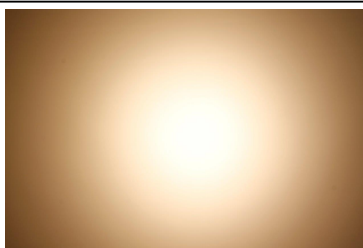
CITIZEN

LED CLU710/711
FWHM 18.0°
Efficiency 90 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



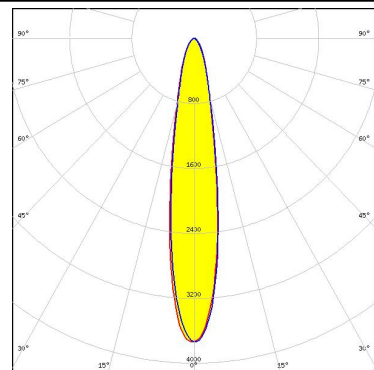
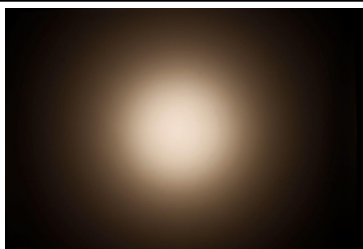
CITIZEN

LED CLU710/711
FWHM 18.0°
Efficiency 88 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 470 Typ L5



CITIZEN

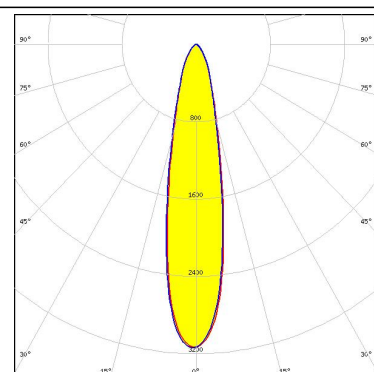
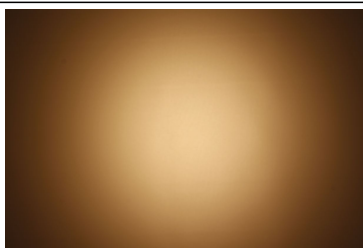
LED CLU710/711
FWHM 18.0°
Efficiency 90 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

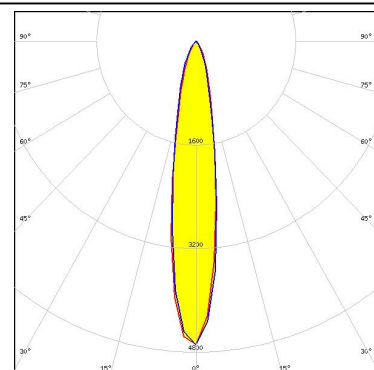
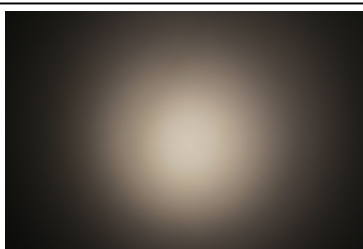
CITIZEN

LED CLU720/721
FWHM 22.0°
Efficiency 93 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 433 Typ L5



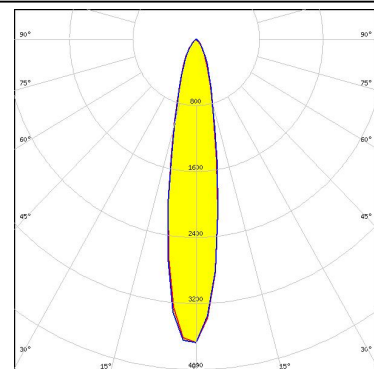
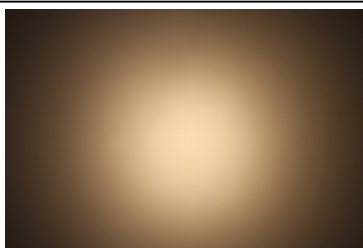
CREE

LED CXA/B 13xx
FWHM 18.0°
Efficiency 89 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



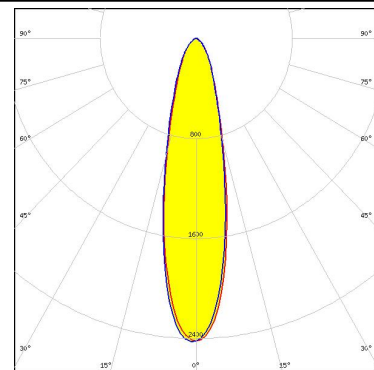
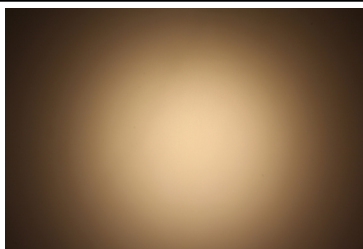
CREE

LED CXA/B 15xx
FWHM 20.0°
Efficiency 87 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE

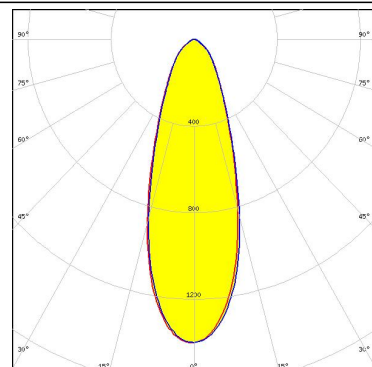
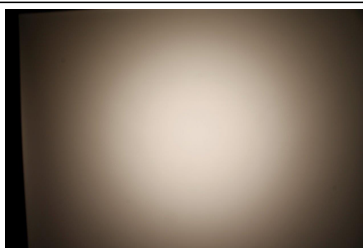
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 25.0°
Efficiency 86 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



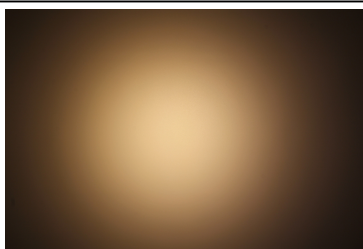
PHOTOMETRIC DATA (MEASURED):



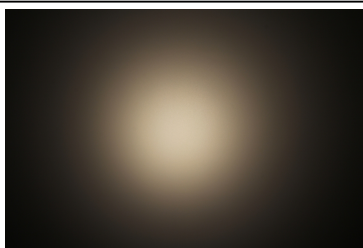
LED CXA/B 25xx
FWHM 35.0°
Efficiency 85 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



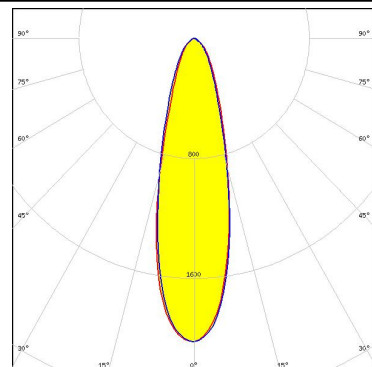
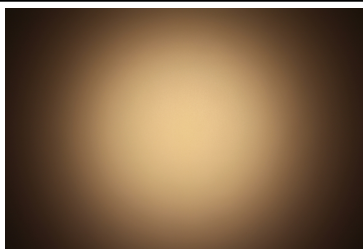
LED LUXEON CoB 1202/1203
FWHM 20.0°
Efficiency 87 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON CoB 1202s
FWHM 15.0°
Efficiency 89 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



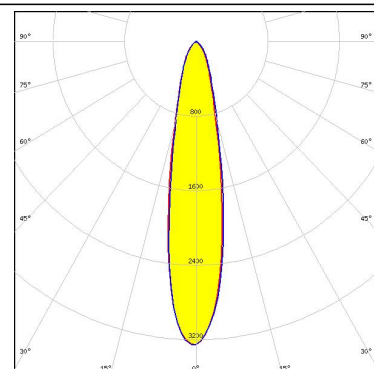
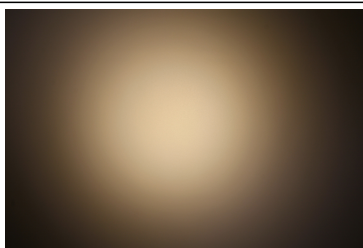
LED CxM-14 (19x19)
FWHM 29.0°
Efficiency 86 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



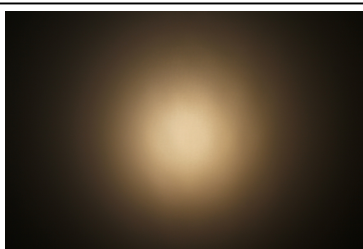
PHOTOMETRIC DATA (MEASURED):



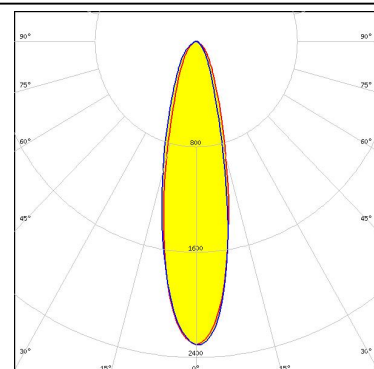
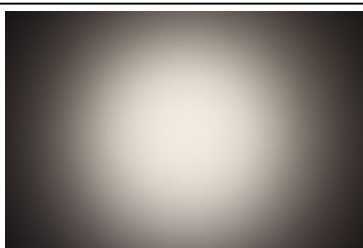
LED CxM-9 (13.5x13.5)
 FWHM 22.0°
 Efficiency 87 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



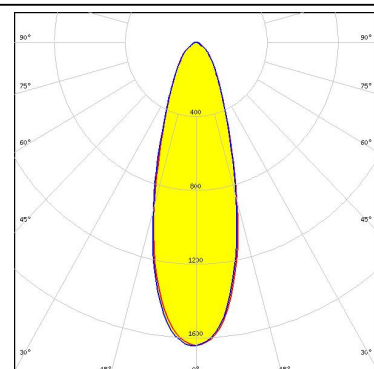
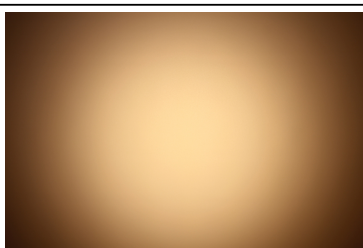
LED Duris S10
 FWHM 18.0°
 Efficiency 88 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Soleriq S13
 FWHM 26.0°
 Efficiency 88 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



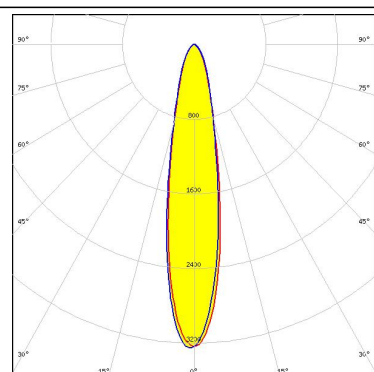
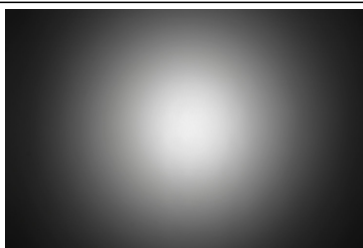
LED Soleriq S19
 FWHM 33.0°
 Efficiency 88 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

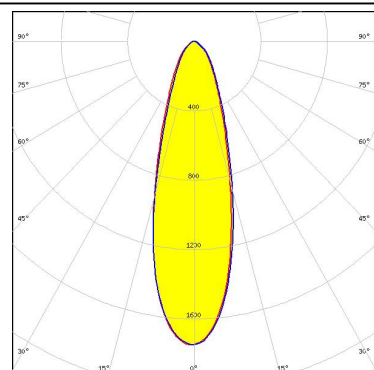
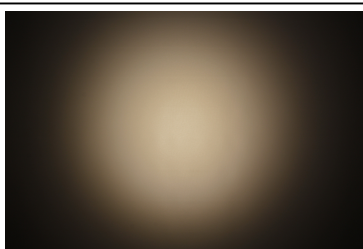
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM 20.0°
 Efficiency 87 %
 Peak intensity 3.3 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



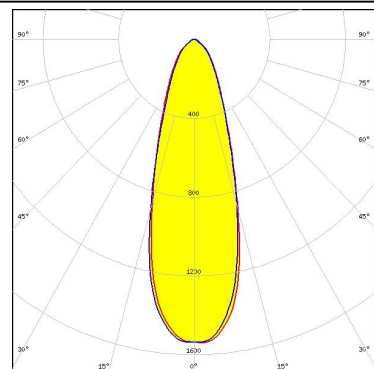
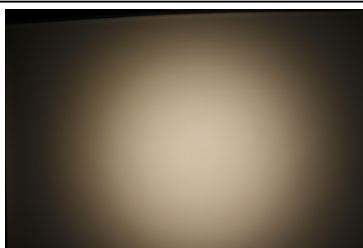
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM 30.0°
 Efficiency 86 %
 Peak intensity 1.8 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



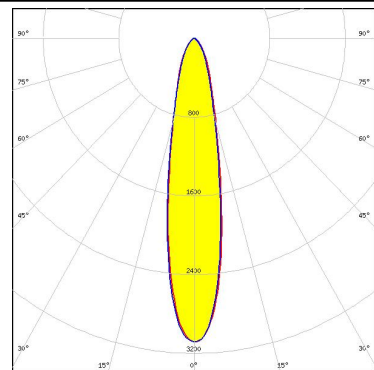
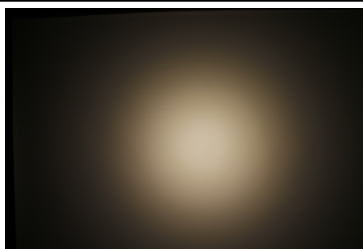
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
 FWHM 33.0°
 Efficiency 86 %
 Peak intensity 1.5 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 433 Typ L5

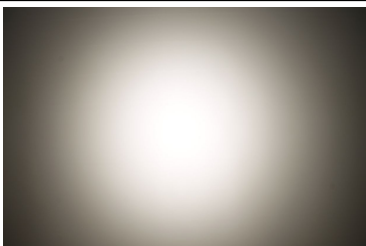
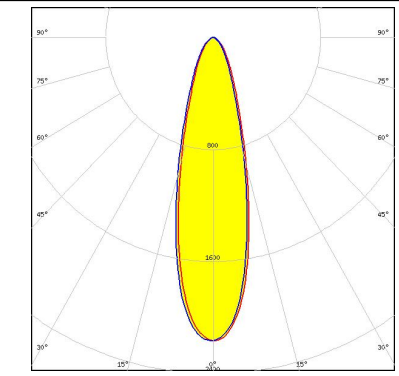
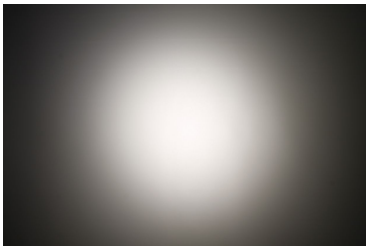
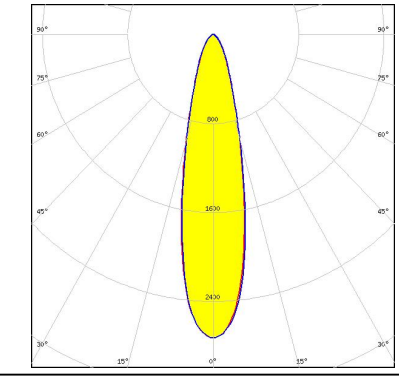
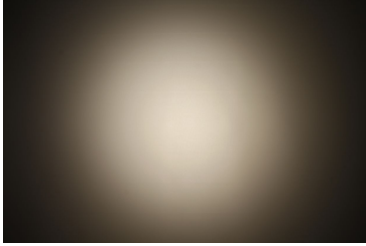
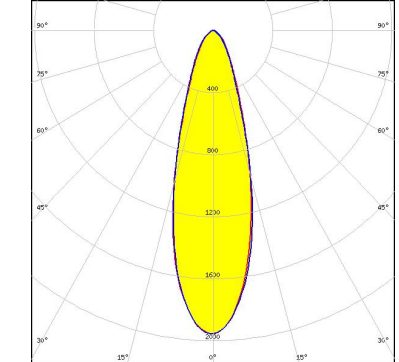


SEOUL SEMICONDUCTOR

LED MJT COB LES 9.8
 FWHM 21.0°
 Efficiency 89 %
 Peak intensity 3.1 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 434 Typ L5



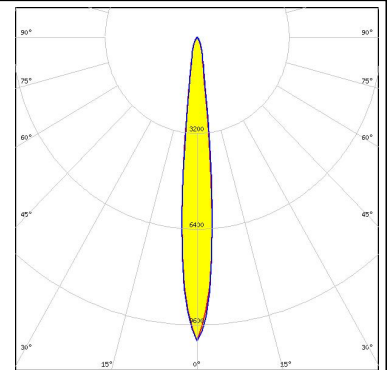
PHOTOMETRIC DATA (MEASURED):

<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED ZC12/18 FWHM 27.0° Efficiency 88 % Peak intensity 2.2 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 433 Typ L5</p>		
<p>VS LIGHTING SOLUTIONS</p> <p>LED DMC 124 / 125 FWHM 24.0° Efficiency 89 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 433 Typ L5</p>		
<p>VS LIGHTING SOLUTIONS</p> <p>LED DMC 128 FWHM 30.0° Efficiency 88 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 433 Typ L5</p>		

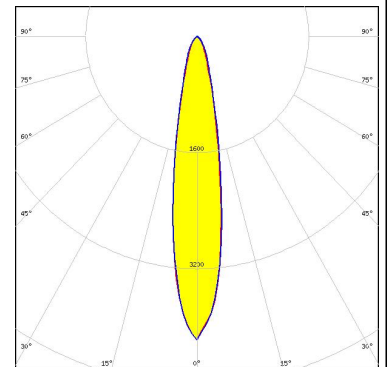
PHOTOMETRIC DATA (SIMULATED):



LED CXA/B 13xx
FWHM 12.0°
Efficiency 88 %
Peak intensity 10.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 448 Typ L5



LED LUXEON CoB 1202/1203
FWHM 18.0°
Efficiency 88 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 441 Typ L5



LED LUXEON CoB Compact
FWHM 15.0°
Efficiency 89 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED CxM-14 (19x19)
FWHM 30.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 433 Typ L5

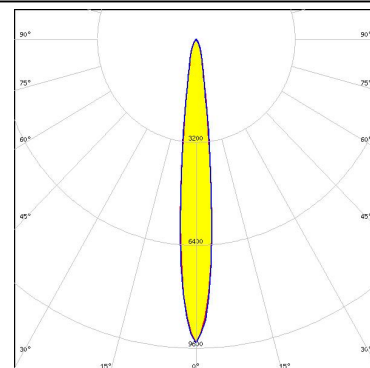
PHOTOMETRIC DATA (SIMULATED):



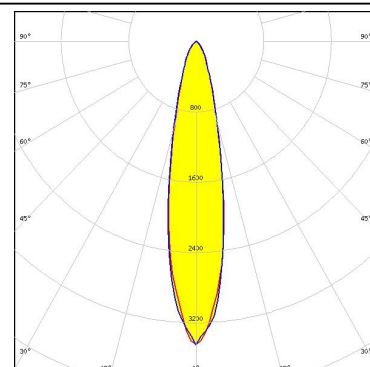
LED CxM-9 (13.5x13.5)
 FWHM 20.0°
 Efficiency 88 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 434 Typ L5



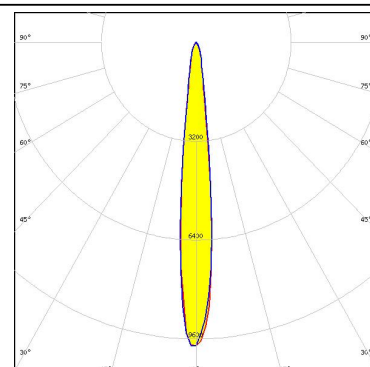
LED COB S-Type (LES 6)
 FWHM 12.0°
 Efficiency 92 %
 Peak intensity 9.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Soleriq S9
 FWHM 22.0°
 Efficiency 89 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



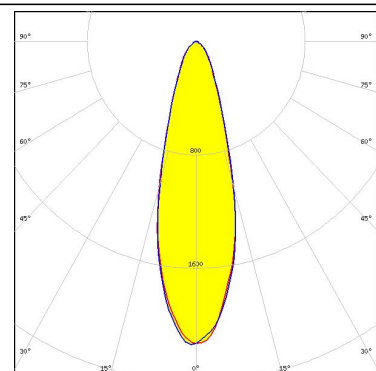
LED LC010C
 FWHM 12.0°
 Efficiency 88 %
 Peak intensity 10.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 479 Typ L5



PHOTOMETRIC DATA (SIMULATED):

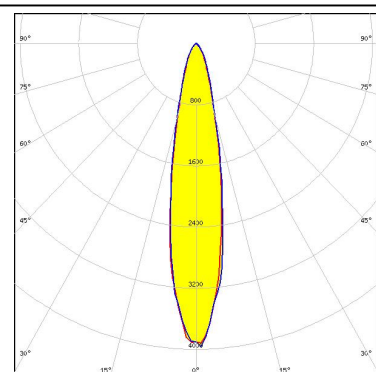
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM 29.0°
 Efficiency 91 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



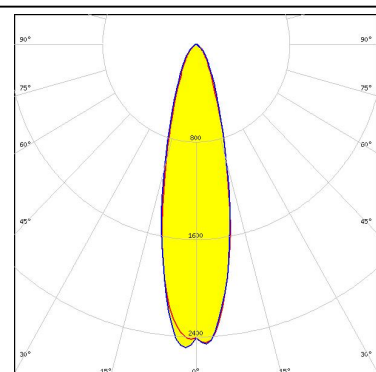
SAMSUNG

LED LC020C
 FWHM 20.0°
 Efficiency 89 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 479 Typ L5



SAMSUNG

LED LC040C
 FWHM 26.0°
 Efficiency 87 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 479 Typ L5



SEOUL SEMICONDUCTOR

LED ZC4/6
 FWHM 20.0°
 Efficiency 88 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 434 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.

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