

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 

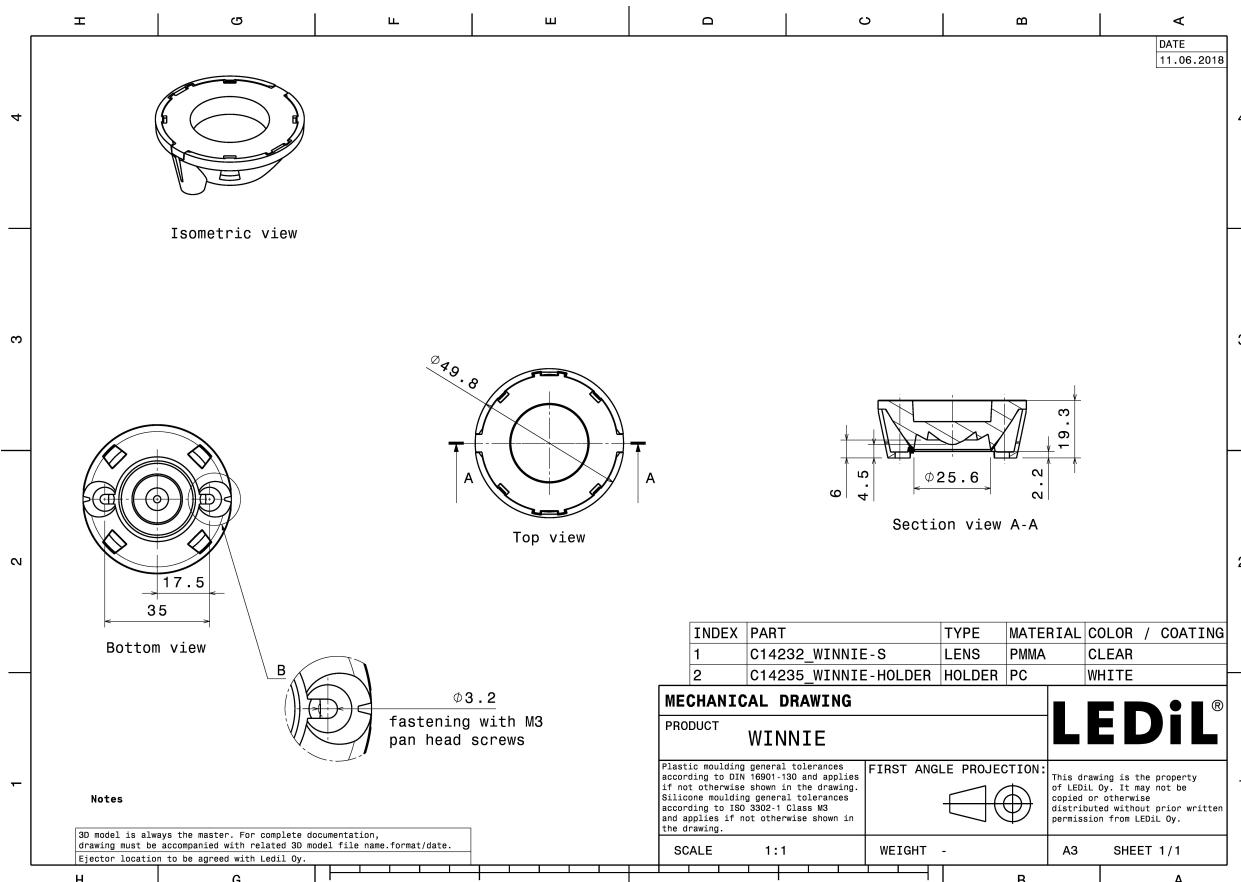


MATERIAL SPECIFICATIONS:

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	364	84	28	0.0
» Box size:				

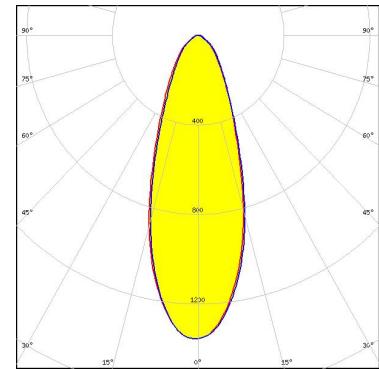


See also our general installation guide: www.ledil.com/installation_guide

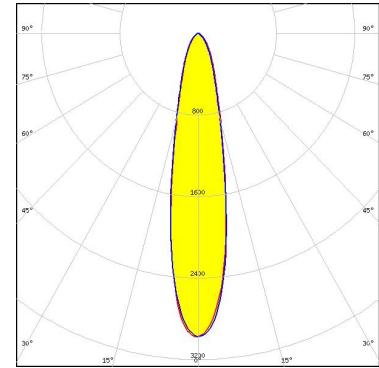
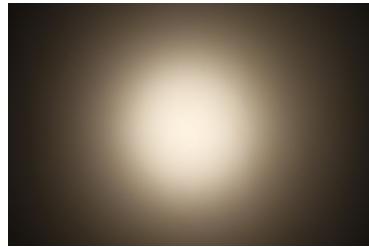
PHOTOMETRIC DATA (MEASURED):



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

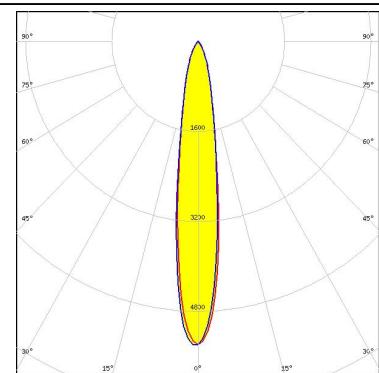


LED VERO10
FWHM 21.0°
Efficiency 89 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



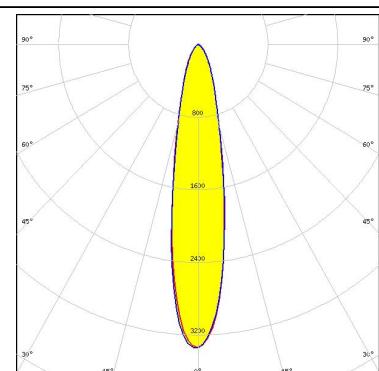
CITIZEN

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



CITIZEN

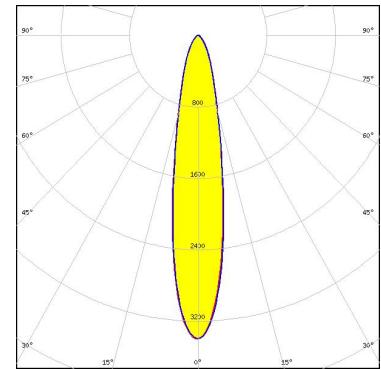
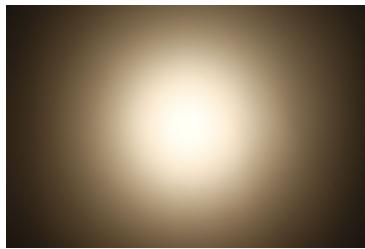
LED CLL02x/CLU02x (LES10)
FWHM 21.0°
Efficiency 87 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

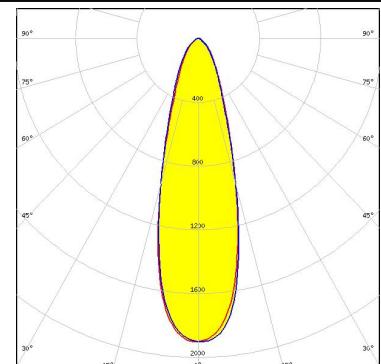
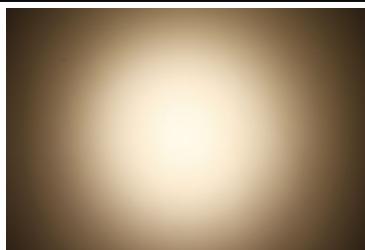
CITIZEN

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



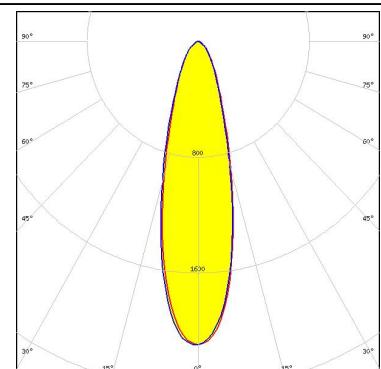
CITIZEN

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



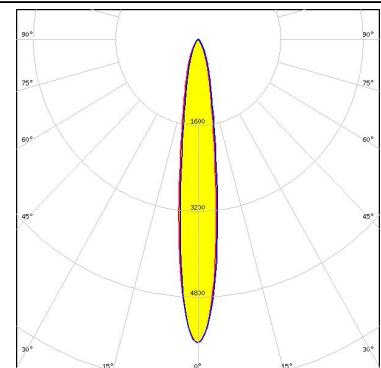
CITIZEN

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



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



PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLU700/701/702

FWHM 15.0°

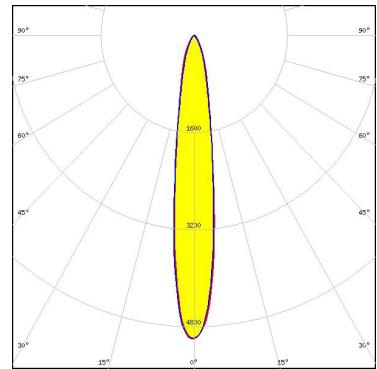
Efficiency 89 %

Peak intensity 5 cd/lm

LEDs/each optic 1

Light colour White

Required components:



CITIZEN

LED CLU710/711

FWHM 18.0°

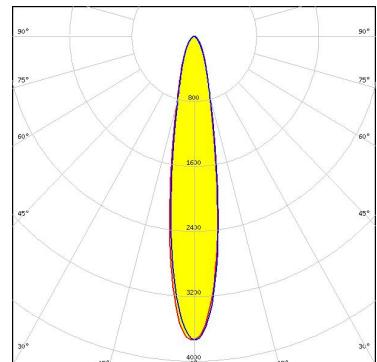
Efficiency 90 %

Peak intensity 3.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:



CITIZEN

LED CLU710/711

FWHM 18.0°

Efficiency 88 %

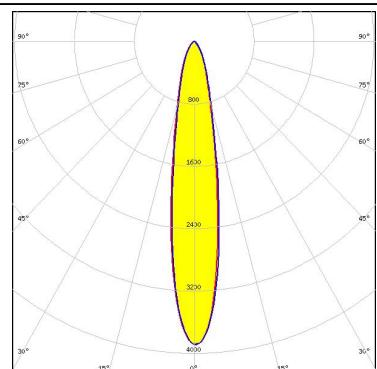
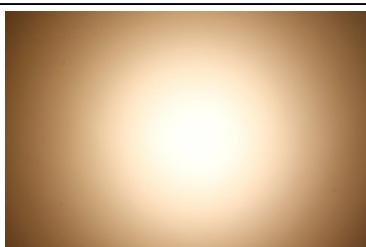
Peak intensity 3.9 cd/lm

LEDs/each optic 1

Light colour White

Required components:

Bender Wirth: 470 Typ L5



CITIZEN

LED CLU710/711

FWHM 18.0°

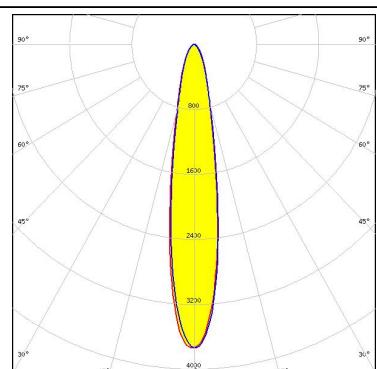
Efficiency 90 %

Peak intensity 3.7 cd/lm

LEDs/each optic 1

Light colour White

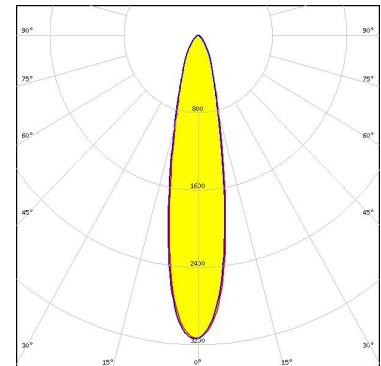
Required components:



PHOTOMETRIC DATA (MEASURED):

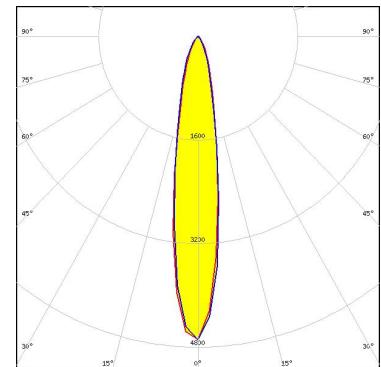
CITIZEN

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



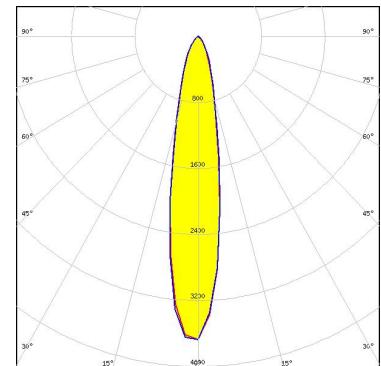
CREE

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



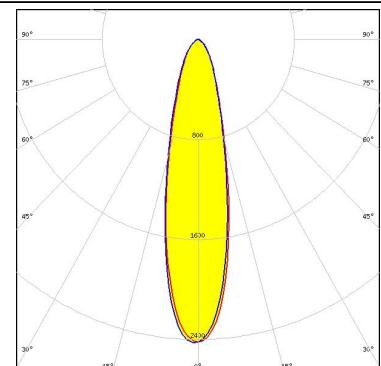
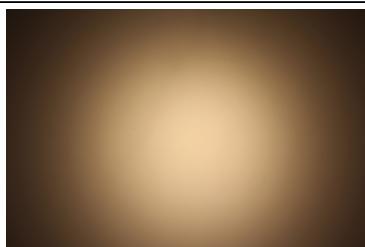
CREE

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

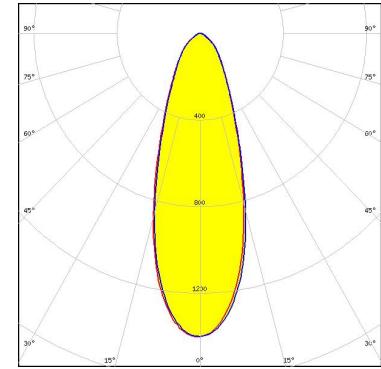
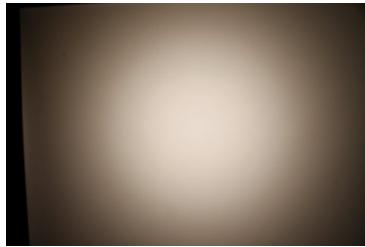
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 25.0°
 Efficiency 86 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

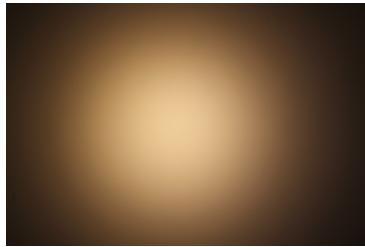
CREE

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



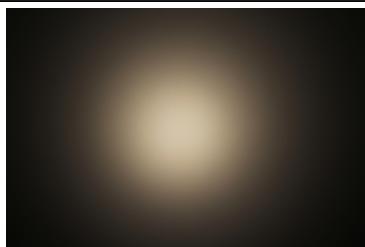
LUMILEDS

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:



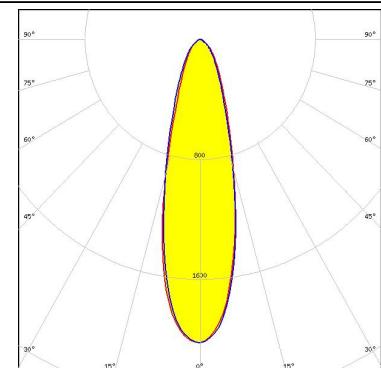
LUMILEDS

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



LUMINUS

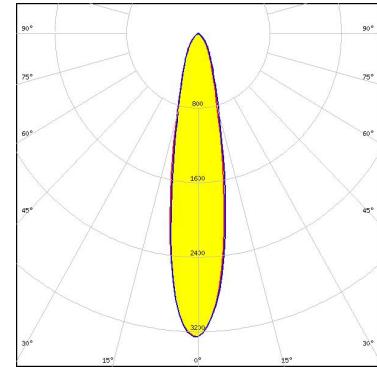
LED CxM-14 (19x19)
 FWHM 29.0°
 Efficiency 86 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



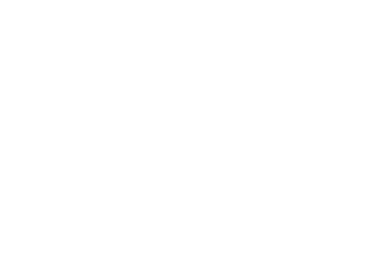
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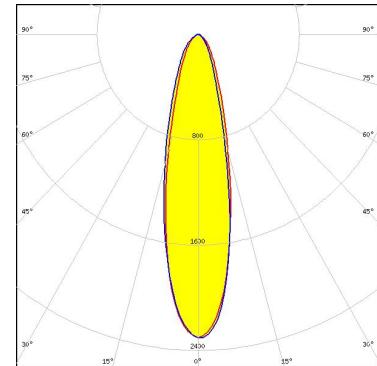
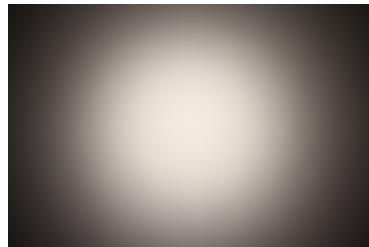
LED CxM-9 (13.5x13.5)
 FWHM 22.0°
 Efficiency 87 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



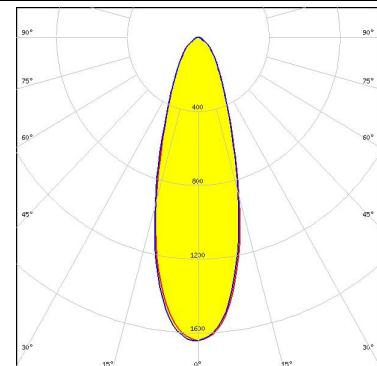
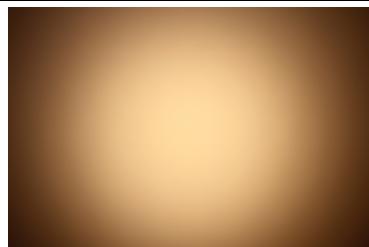
Opto Semiconductors
 LED Duris S10
 FWHM 18.0°
 Efficiency 88 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



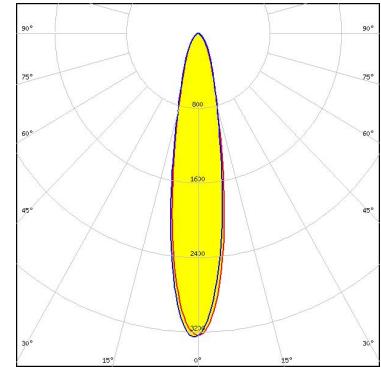
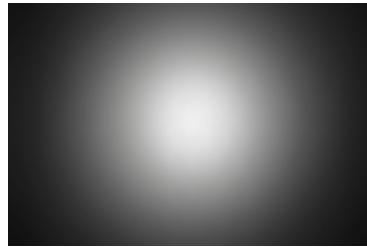
Opto Semiconductors
 LED Soleriq S19
 FWHM 33.0°
 Efficiency 88 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

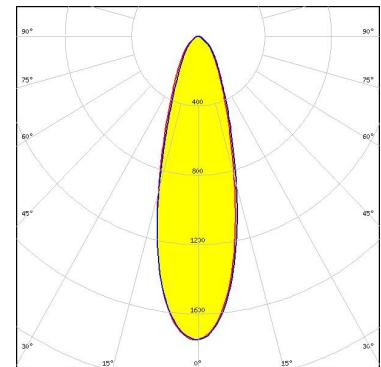
SAMSUNG

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



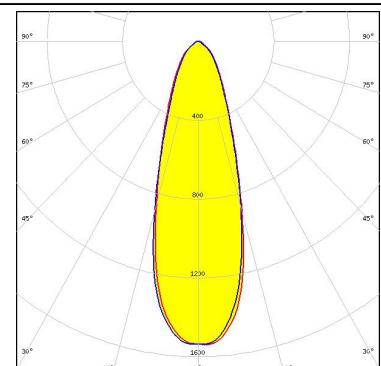
SAMSUNG

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



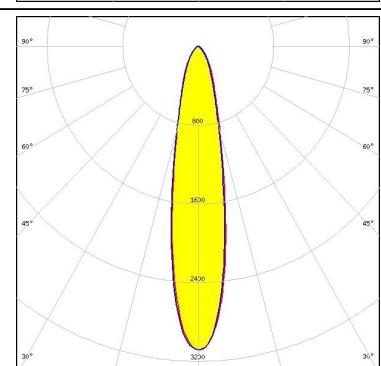
SEoul SEMICONDUCTOR

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

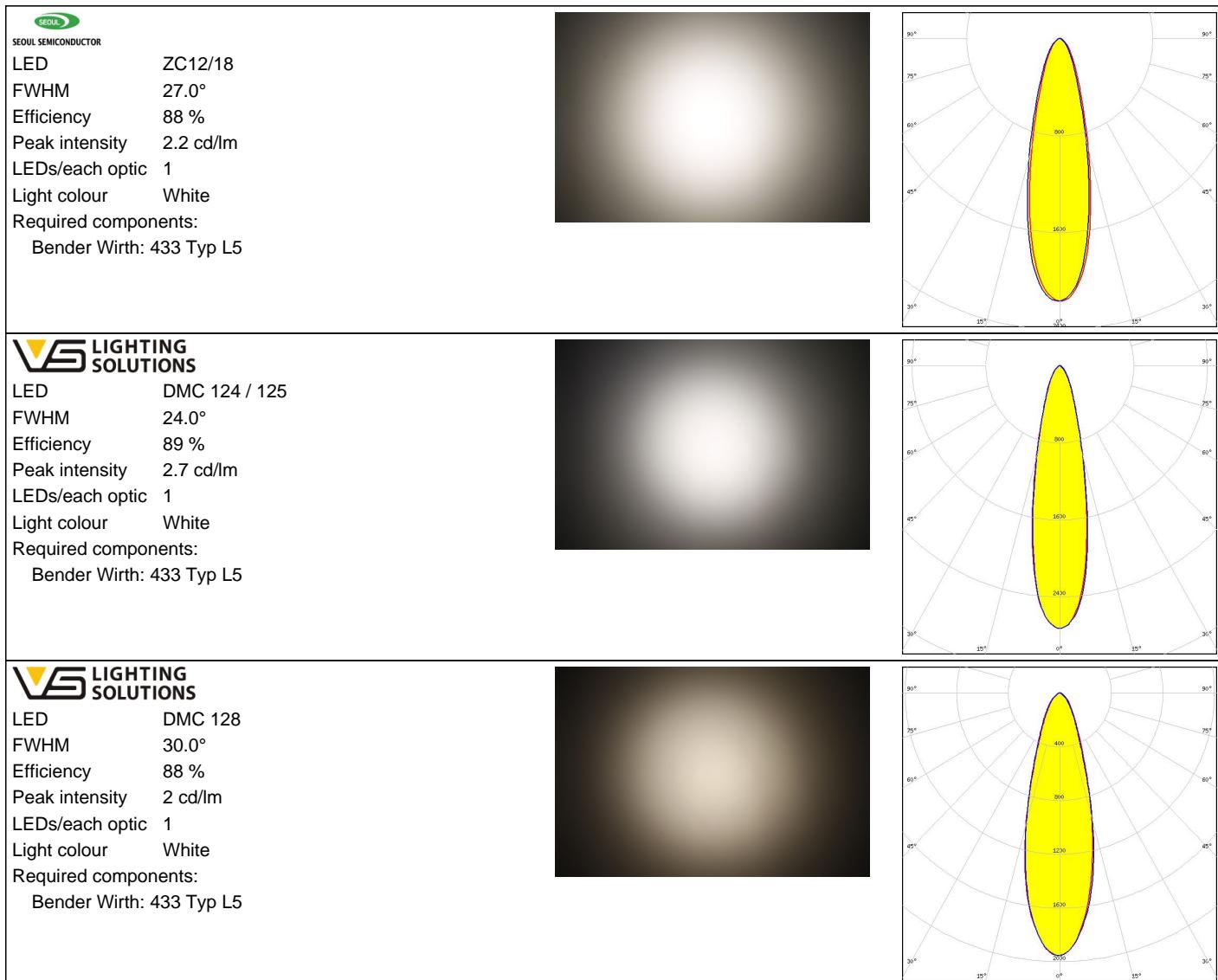


SEoul SEMICONDUCTOR

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



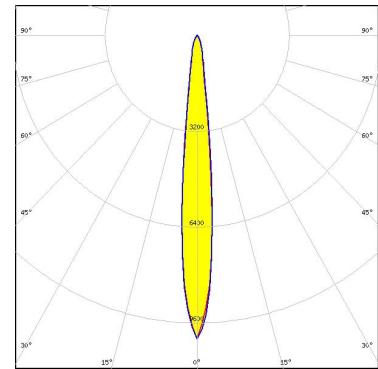
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PHOTOMETRIC DATA (SIMULATED):

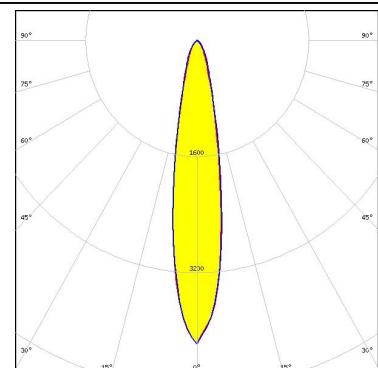
CREE

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



LUMILEDS

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



LUMILEDS

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

LUMINUS

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

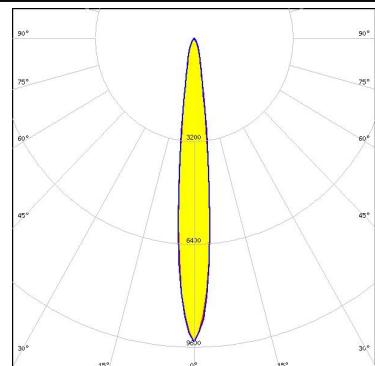
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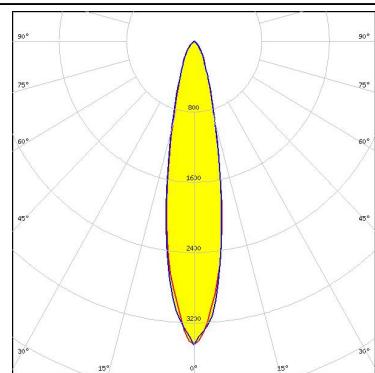
LED CxM-9 (13.5x13.5)
 FWHM 20.0°
 Efficiency 88 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 434 Typ L5



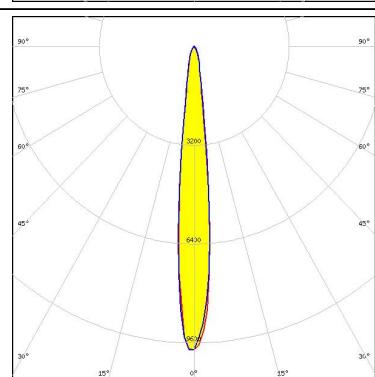
LED COB S-Type (LES 6)
 FWHM 12.0°
 Efficiency 92 %
 Peak intensity 9.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



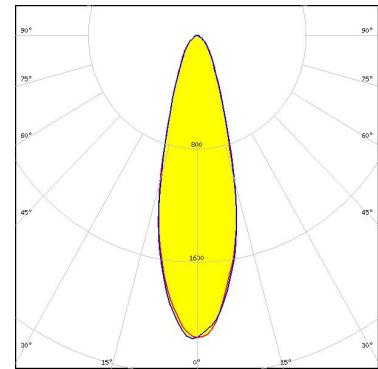
LED LC010C
 FWHM 12.0°
 Efficiency 88 %
 Peak intensity 10.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 479 Typ L5



PHOTOMETRIC DATA (SIMULATED):

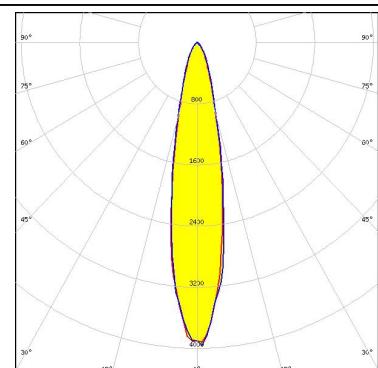
SAMSUNG

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:	



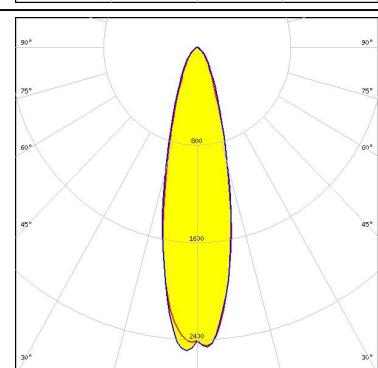
SAMSUNG

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.

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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CN14236_WINNIE-S