WINNIE-O

~60° + 20° oval beam. Holder with 35 mm screw hole distance according to Zhaga standard. Compatible with Bender+Wirth 4xx Typ L5 connector.

SPECIFICATION:

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

MATERIALS:

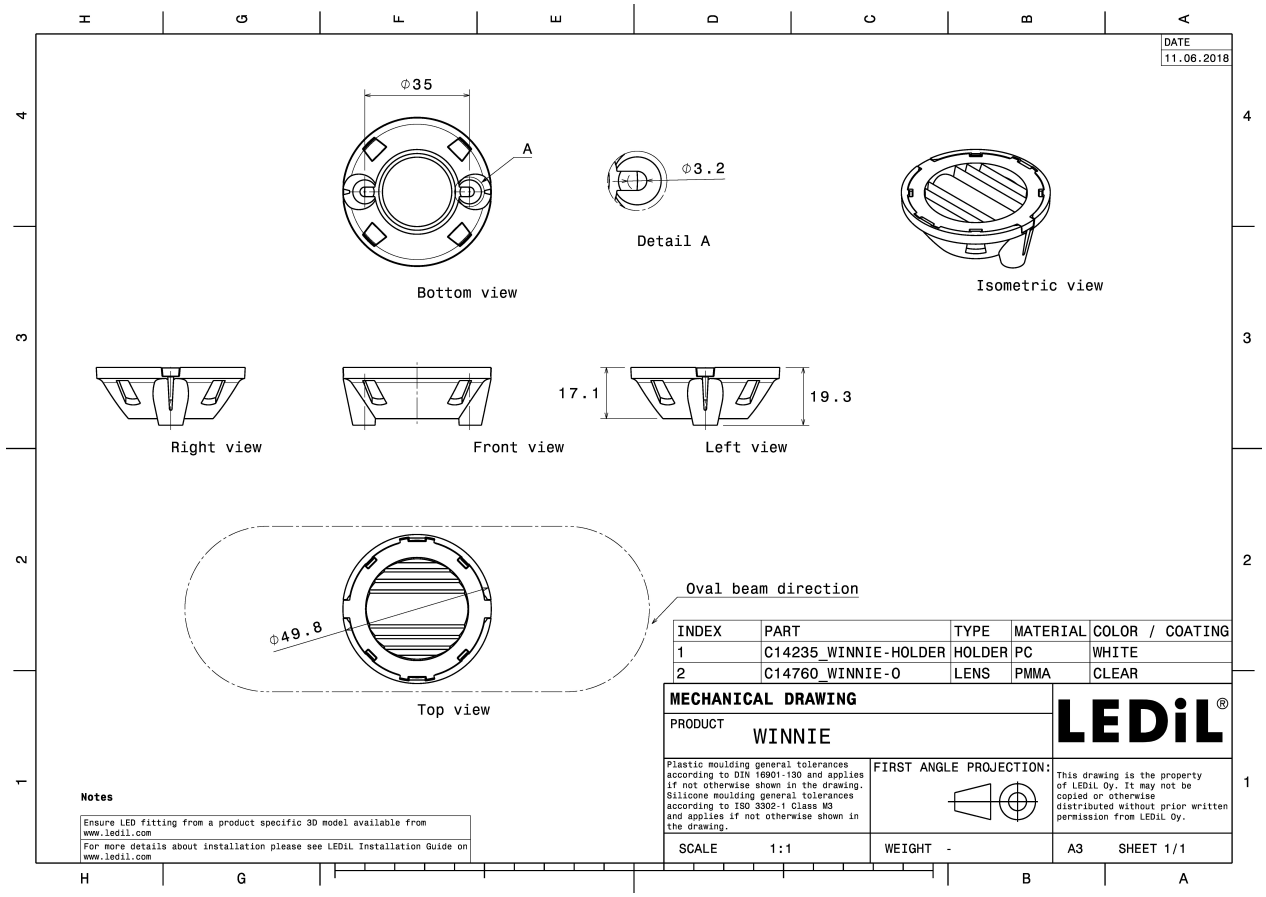
Component	Type	Material	Colour	Finish	Length
C14760_WINNIE-O	Single lens	PMMA	clear		49.6
C14235_WINNIE-HOLDER	Holder	PC	white		49.8

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C14760_WINNIE-O » Box size: 480 x 280 x 300 mm	Single lens	364	84	28	7.0
C14235_WINNIE-HOLDER » Box size: 480 x 280 x 300 mm	Holder	1820	84	28	7.2



INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C14235_WINNIE-HOLDER	HOLDER	PC	WHITE
2	C14760_WINNIE-O	LENS	PMMA	CLEAR

MECHANICAL DRAWING

PRODUCT WINNIE

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

SCALE 1:1 | WEIGHT - | A3 SHEET 1/1

Notes

Ensure LED fitting from a product specific 3D model available from www.ledil.com

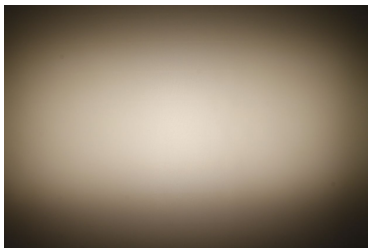
For more details about installation please see LEDiL Installation Guide on www.ledil.com

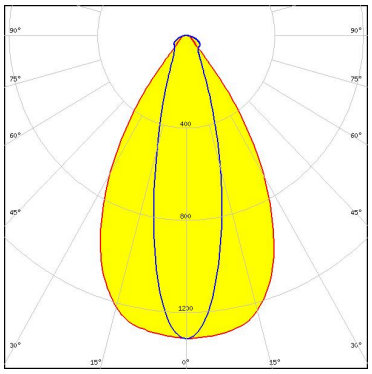
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

bridgelux

LED	V13 Gen6
FWHM / FWTM	62.0 + 27.0° / 85.0 + 60.0°
Efficiency	88 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

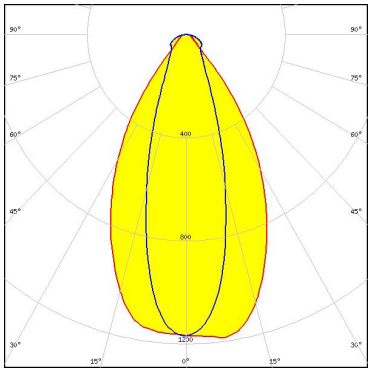




Light distribution files

bridgelux

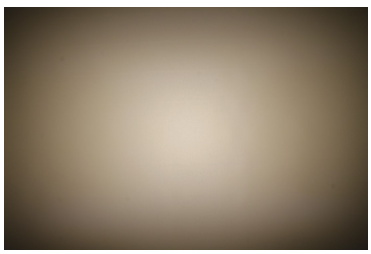
LED	V15 Gen6
FWHM / FWTM	59.0 + 31.0° / 87.0 + 71.0°
Efficiency	89 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

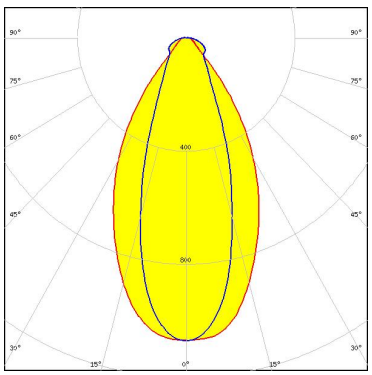


Light distribution files

bridgelux

LED	V18 Gen6
FWHM / FWTM	57.0 + 35.0° / 89.0 + 80.0°
Efficiency	89 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



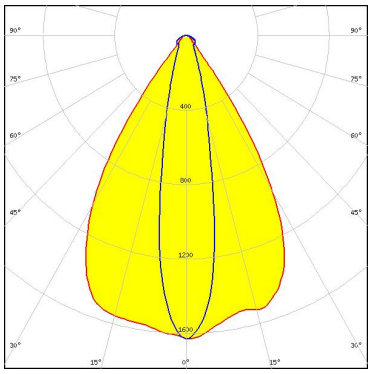


Light distribution files

OPTICAL RESULTS (MEASURED):

bridgelux

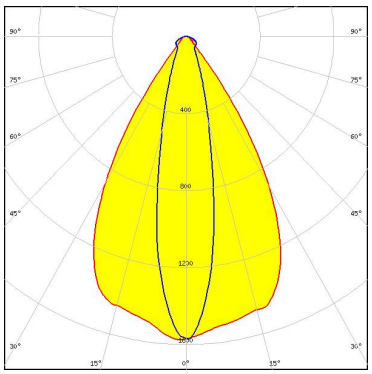
LED	V8 Gen6
FWHM / FWTM	65.0 + 21.0° / 81.0 + 47.0°
Efficiency	89 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CITIZEN

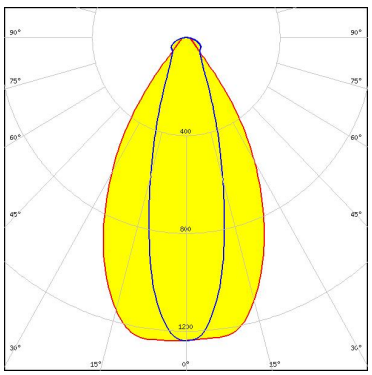
LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	63.0 + 22.0° / 82.0 + 52.0°
Efficiency	90 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 434 Typ L5	



Light distribution files

CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	59.0 + 29.0° / 85.0 + 66.0°
Efficiency	90 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 433 Typ L5	

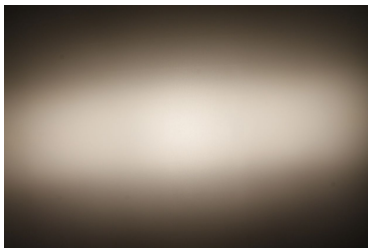


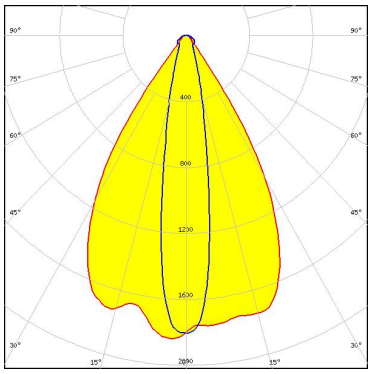
Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLU700/701/702/703
FWHM / FWTM	64.0 + 18.0° / 79.0 + 43.0°
Efficiency	91 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

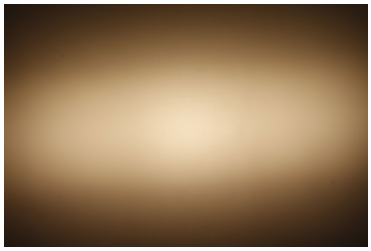


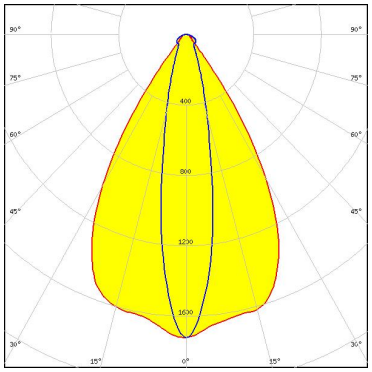


Light distribution files

CITIZEN

LED	CLU710/711
FWHM / FWTM	63.0 + 20.0° / 81.0 + 48.0°
Efficiency	91 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 470 Typ L5	

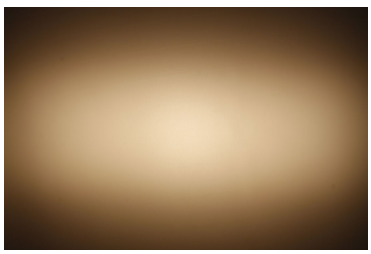


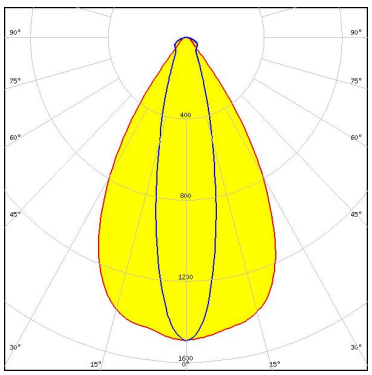


Light distribution files

CITIZEN

LED	CLU720/721/723
FWHM / FWTM	61.0 + 23.0° / 83.0 + 55.0°
Efficiency	90 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 433 Typ L5	



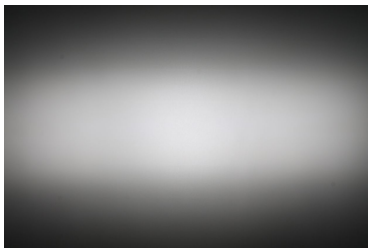


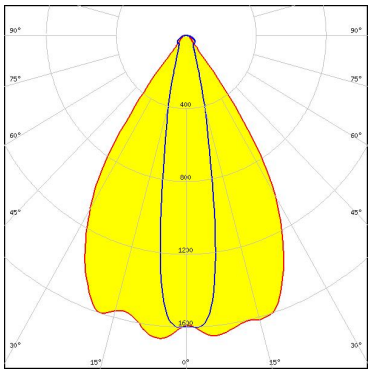
Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	CXA/B 13xx
FWHM / FWTM	66.0 + 20.0° / 81.0 + 45.0°
Efficiency	90 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

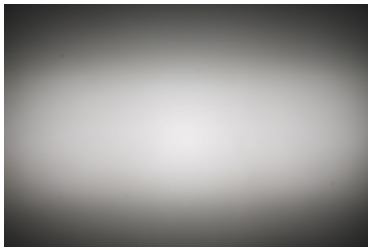


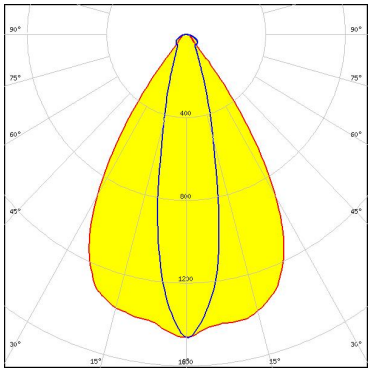


Light distribution files

CREE LEDs

LED	CXA/B 15xx
FWHM / FWTM	65.0 + 23.0° / 83.0 + 52.0°
Efficiency	89 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

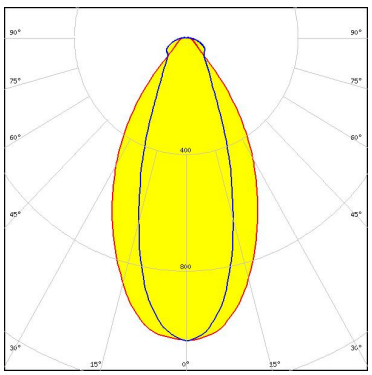




Light distribution files

CREE LEDs

LED	CXA/B 25xx
FWHM / FWTM	57.0 + 37.0° / 91.0 + 83.0°
Efficiency	89 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

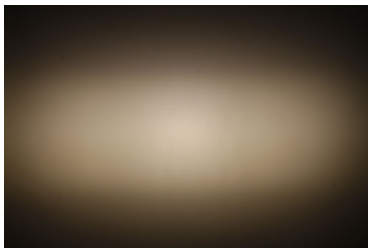


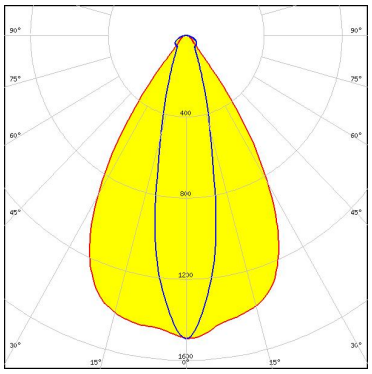
Light distribution files

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM / FWTM	64.0 + 23.0° / 82.0 + 53.0°
Efficiency	89 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

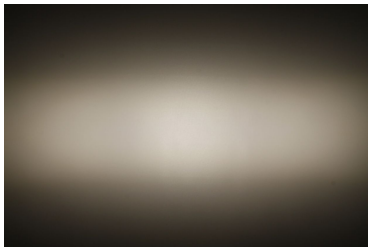


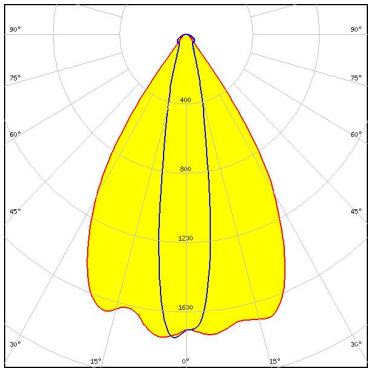


Light distribution files

LUMILEDS

LED	LUXEON CoB 1202s
FWHM / FWTM	65.0 + 19.0° / 80.0 + 43.0°
Efficiency	90 %
Peak intensity	1800 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

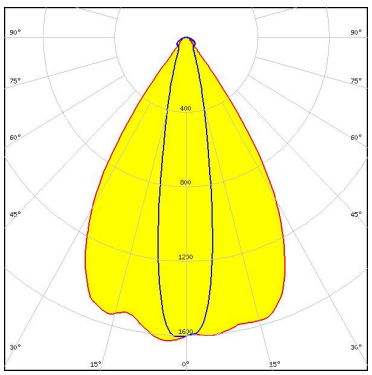




Light distribution files

LUMILEDS

LED	LUXEON CoB Compact
FWHM / FWTM	65.0 + 20.0° / 81.0 + 46.0°
Efficiency	88 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

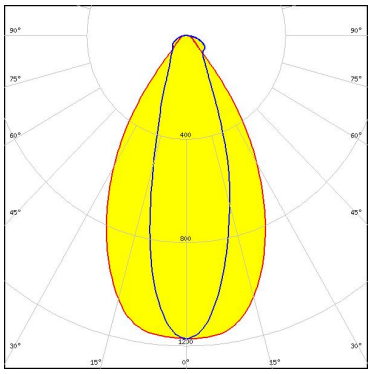


Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

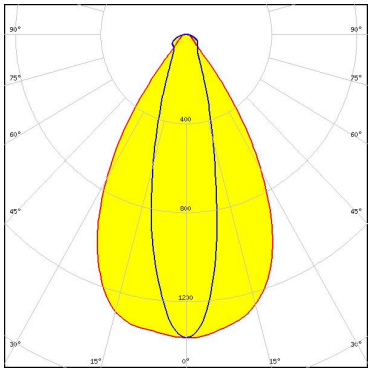
LED	COB J-Type
FWHM / FWTM	59.0 + 31.0° / 86.0 + 71.0°
Efficiency	89 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

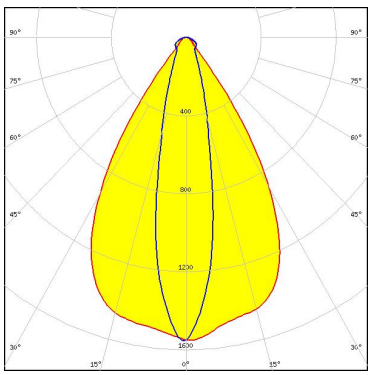
LED	COB L-Type (LES 11)
FWHM / FWTM	62.0 + 25.0° / 83.0 + 59.0°
Efficiency	89 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	COB L-Type (LES 11)
FWHM / FWTM	64.0 + 22.0° / 82.0 + 51.0°
Efficiency	90 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

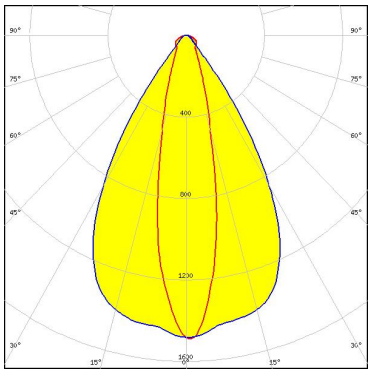


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

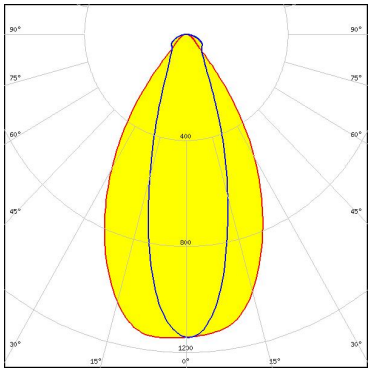
LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	63.0 + 23.0° / 82.0 + 53.0°
Efficiency	87 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

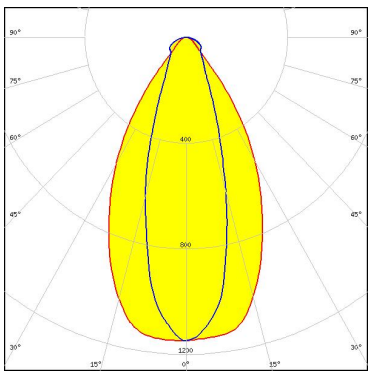
LED	LC016D / LC019D / LC026D / LC033D
FWHM / FWTM	59.0 + 31.0° / 87.0 + 71.0°
Efficiency	85 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM / FWTM	58.0 + 32.0° / 86.0 + 73.0°
Efficiency	86 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 433 Typ L5	



Light distribution files

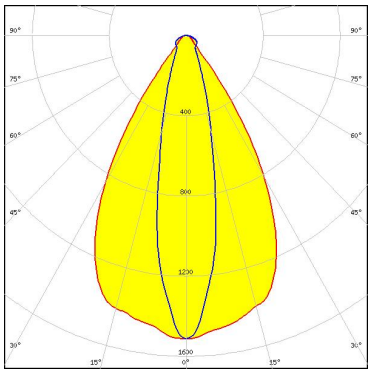
OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	MJT COB LES 9.8
FWHM / FWTM	62.0 + 23.0° / 82.0 + 53.0°
Efficiency	89 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

Bender Wirth: 434 Typ L5

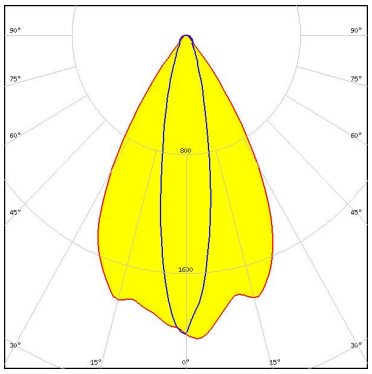


Light distribution files

OPTICAL RESULTS (SIMULATED):

bridgelux

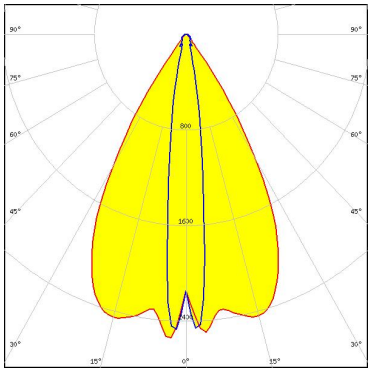
LED	VERO10
FWHM / FWTM	60.0 + 20.0° / 80.0 + 48.0°
Efficiency	100 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

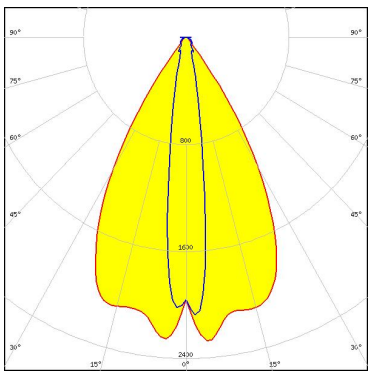
LED	XP-E2
FWHM / FWTM	60.0 + 14.0° / 75.0 + 29.0°
Efficiency	93 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	60.0 + 15.0° / 76.0 + 32.0°
Efficiency	91 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

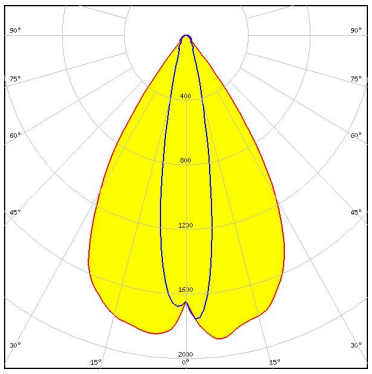


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

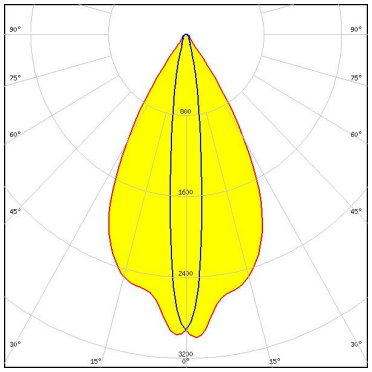
LED	LUXEON M/MX
FWHM / FWTM	20.0 + 64.0° / 41.0 + 81.0°
Efficiency	92 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

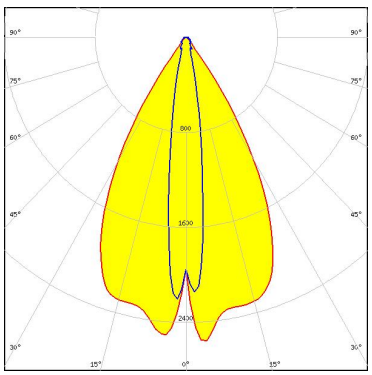
LED	SBT-90
FWHM / FWTM	56.0 + 12.0° / 74.0 + 32.0°
Efficiency	93 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	58.0 + 14.0° / 76.0 + 30.0°
Efficiency	91 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

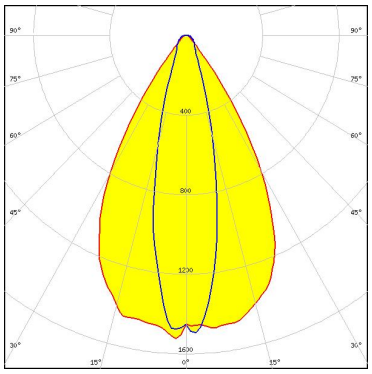


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	Soleriq S9
FWHM / FWTM	61.0 + 24.0° / 83.0 + 51.0°
Efficiency	88 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

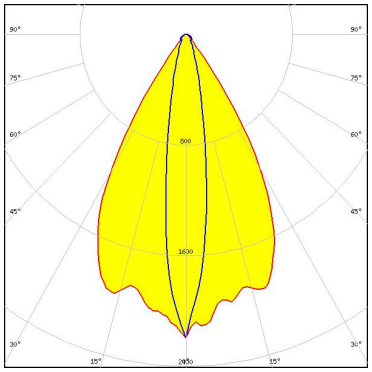


Light distribution files

SAMSUNG

LED	LC010C
FWHM / FWTM	56.0 + 16.0° / 78.0 + 40.0°
Efficiency	92 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 479 Typ L5

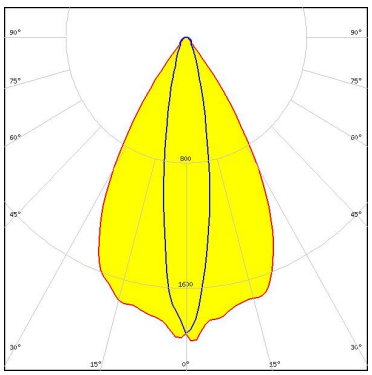


Light distribution files

SAMSUNG

LED	LC020C
FWHM / FWTM	60.0 + 18.0° / 79.0 + 44.0°
Efficiency	89 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 479 Typ L5



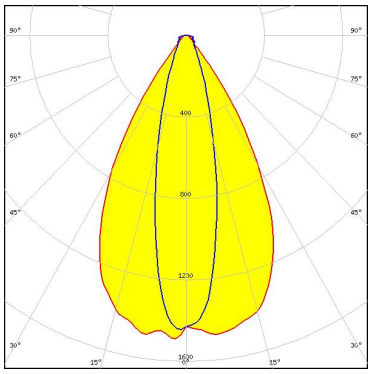
Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LC040C
FWHM / FWTM	60.0 + 24.0° / 82.0 + 55.0°
Efficiency	87 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 479 Typ L5



Light distribution files

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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