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.



TECHNICAL SPECIFICATIONS:

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

MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

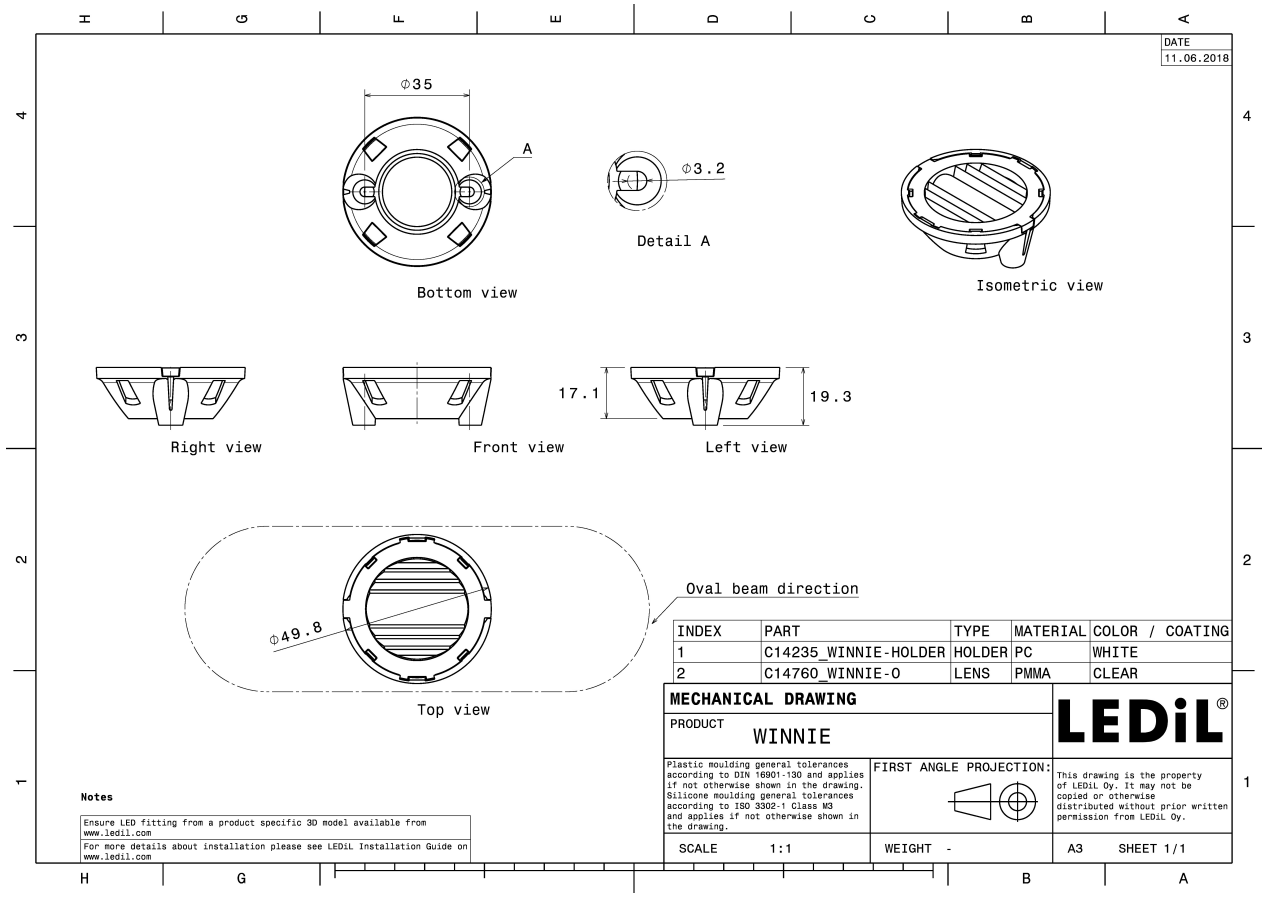
Quantities for one set:

Single lens	1
Holder	1

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



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:

This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

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

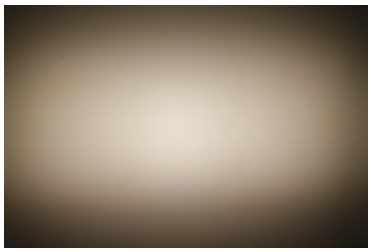
See also our general installation guide: www.ledil.com/installation_guide

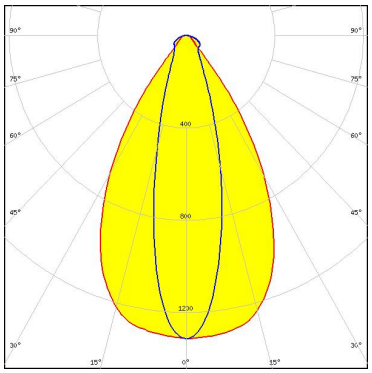
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (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	White
Required components:	

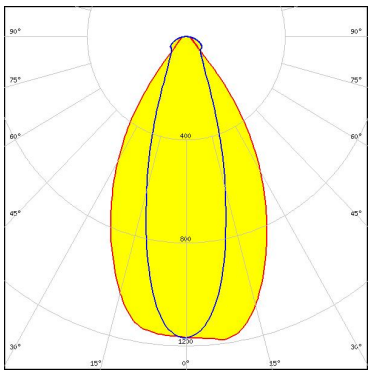




bridgelux

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	White
Required components:	

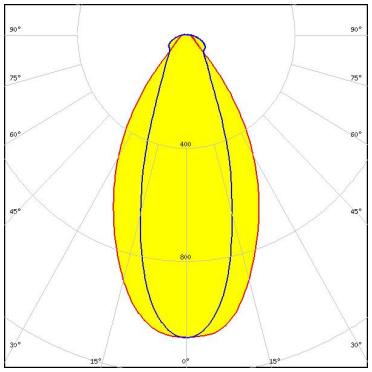




bridgelux

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	White
Required components:	

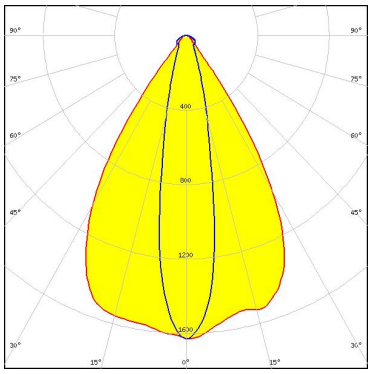




bridgelux

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	White
Required components:	





LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

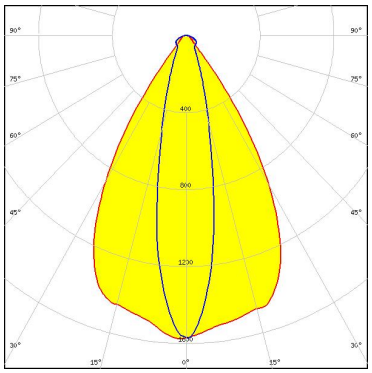
CITIZEN

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	White

Required components:

Bender Wirth: 434 Typ L5





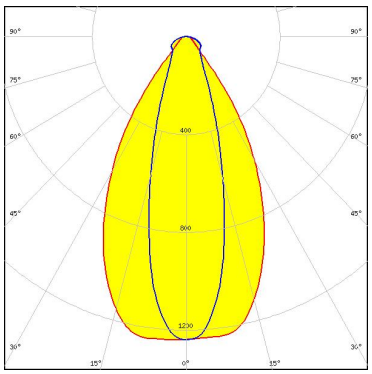
CITIZEN

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	White

Required components:

Bender Wirth: 433 Typ L5

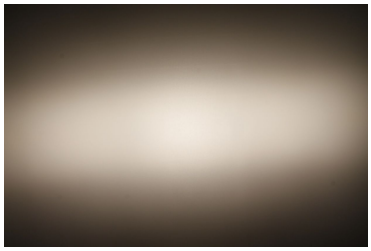


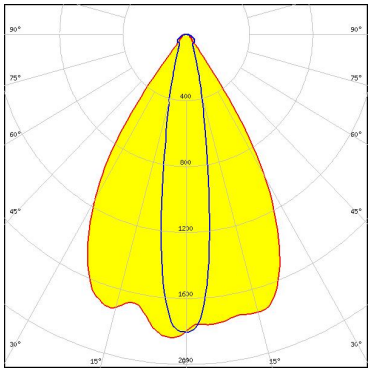


CITIZEN

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

Required components:



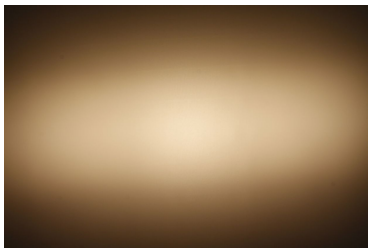


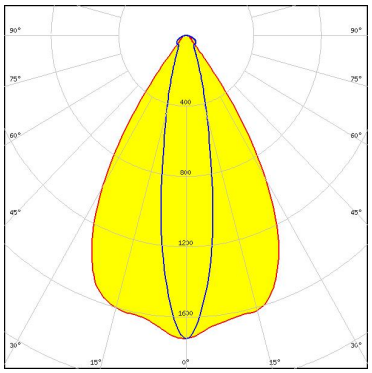
CITIZEN

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	White

Required components:

Bender Wirth: 470 Typ L5





LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

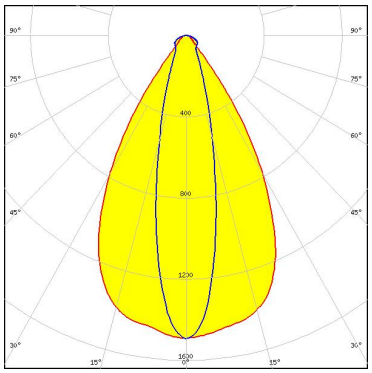
CITIZEN

LED	CLU720/721
FWHM / FWTM	61.0 + 23.0° / 83.0 + 55.0°
Efficiency	90 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Bender Wirth: 433 Typ L5

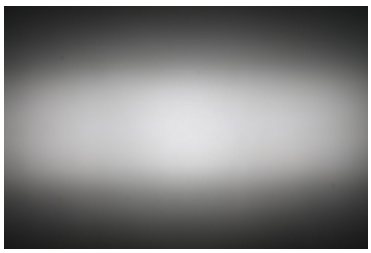


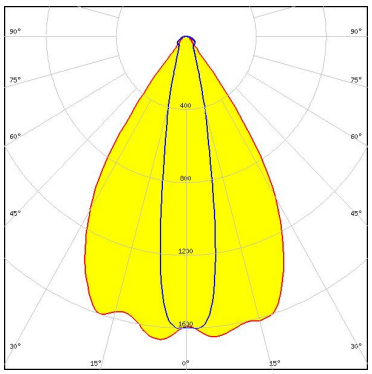


CREE LED

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	White

Required components:

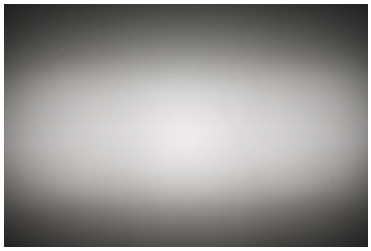


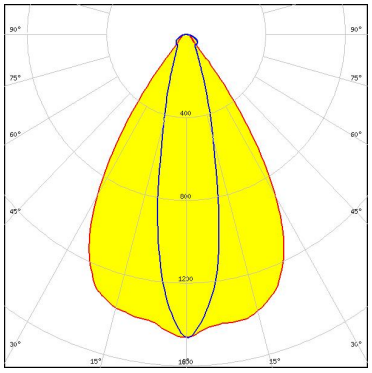


CREE LED

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	White

Required components:



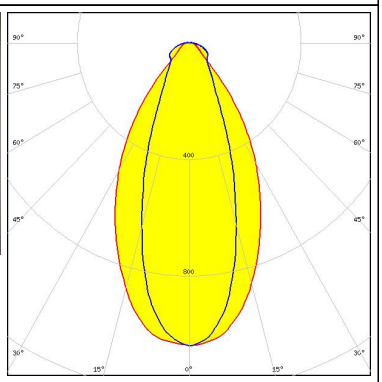


CREE LED

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	White

Required components:





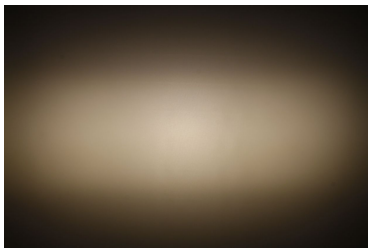
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

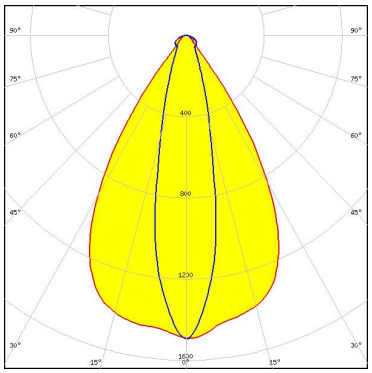
PHOTOMETRIC DATA (MEASURED):

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	White

Required components:

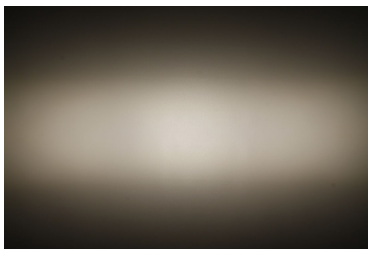


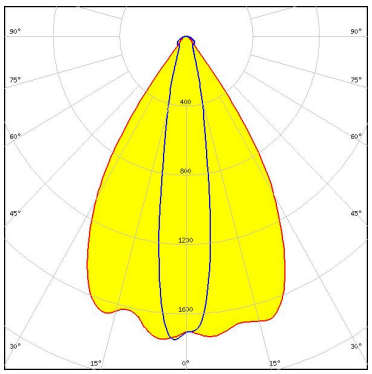


LUMILEDS

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	White

Required components:



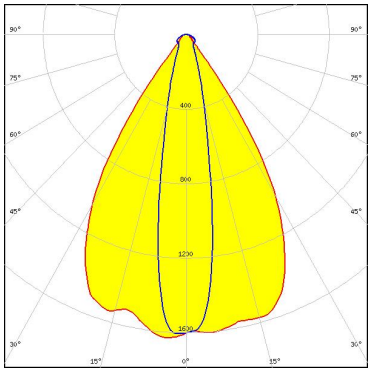


LUMILEDS

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	White

Required components:



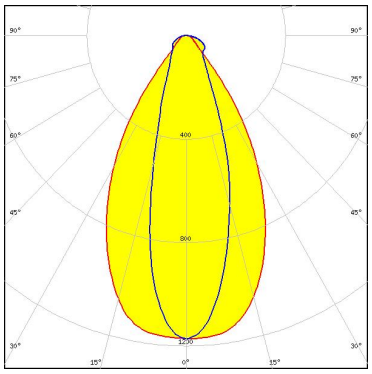


NICHIA

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	White

Required components:





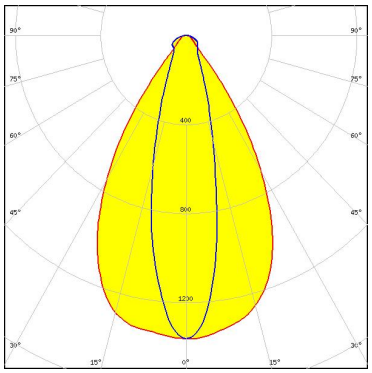
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

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	White
Required components:	

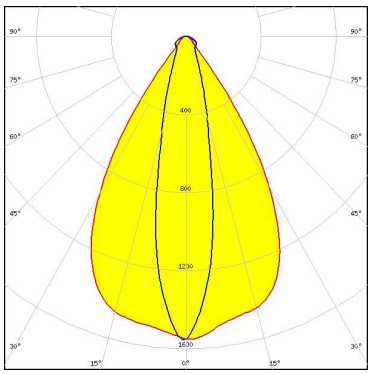




NICHIA

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	White
Required components:	

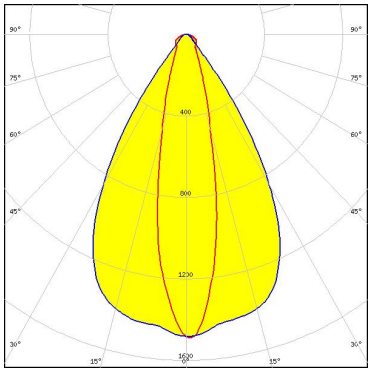




SAMSUNG

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	White
Required components:	

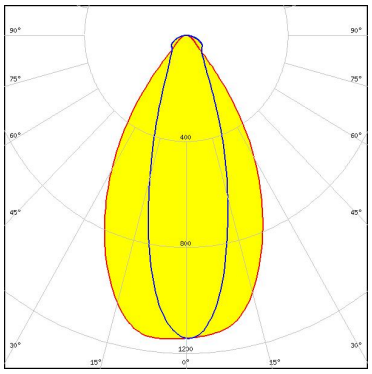




SAMSUNG

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	White
Required components:	





LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

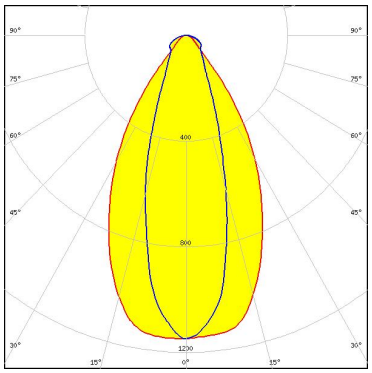
SEOUL SEMICONDUCTOR

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	White

Required components:

Bender Wirth: 433 Typ L5





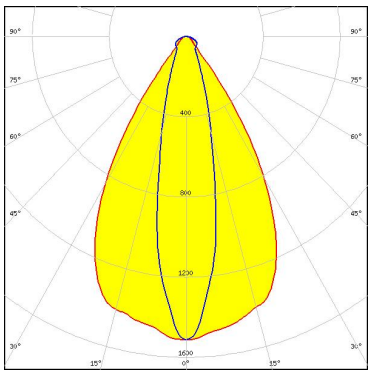
SEOUL SEMICONDUCTOR

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	White

Required components:

Bender Wirth: 434 Typ L5



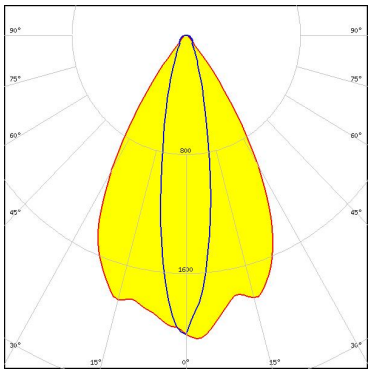


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

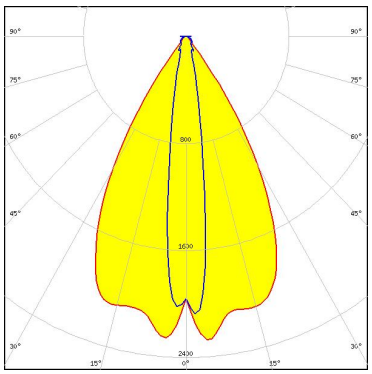
bridgelux

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	White
Required components:	



CREE LED

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	White
Required components:	

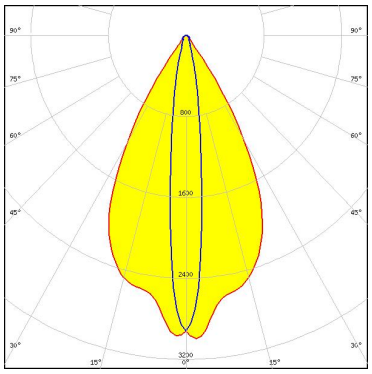


LUMILEDS

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	White
Required components:	

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	Red
Required components:	

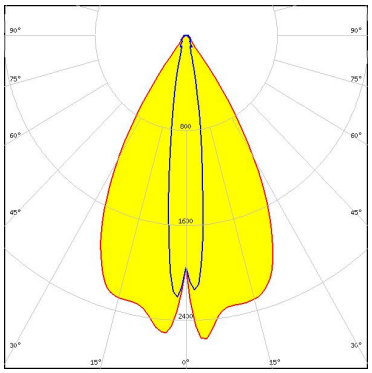


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

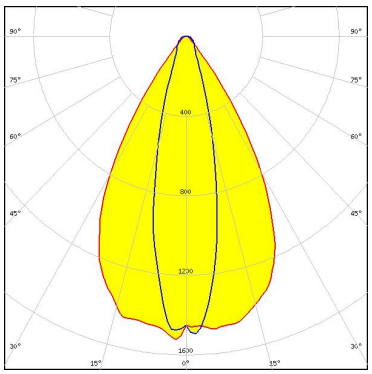
OSRAM
Opto Semiconductors

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	White
Required components:	



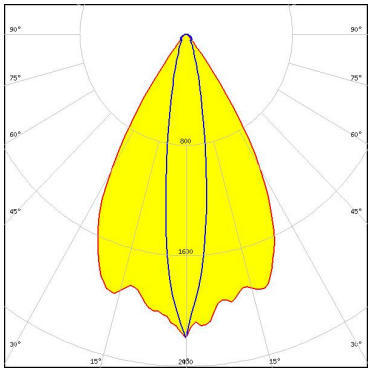
OSRAM
Opto Semiconductors

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	White
Required components:	



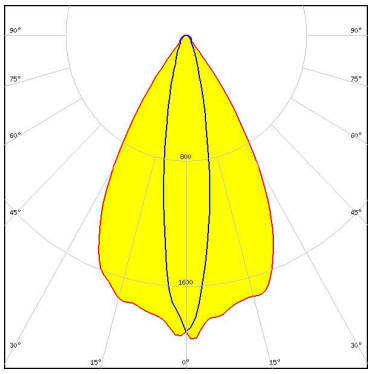
SAMSUNG

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	White
Required components:	
Bender Wirth: 479 Typ L5	



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	White
Required components:	
Bender Wirth: 479 Typ L5	

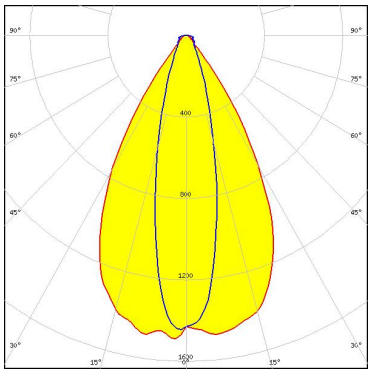


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (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	White
Required components:	
Bender Wirth: 479 Typ L5	



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.