HB-2X2-RW

~50° wide beam



TECHNICAL SPECIFICATIONS:

Dimensions	50.0 x 50.0 mm
Height	8.5 mm
Fastening	glue, pin, screw
ROHS compliant	yes

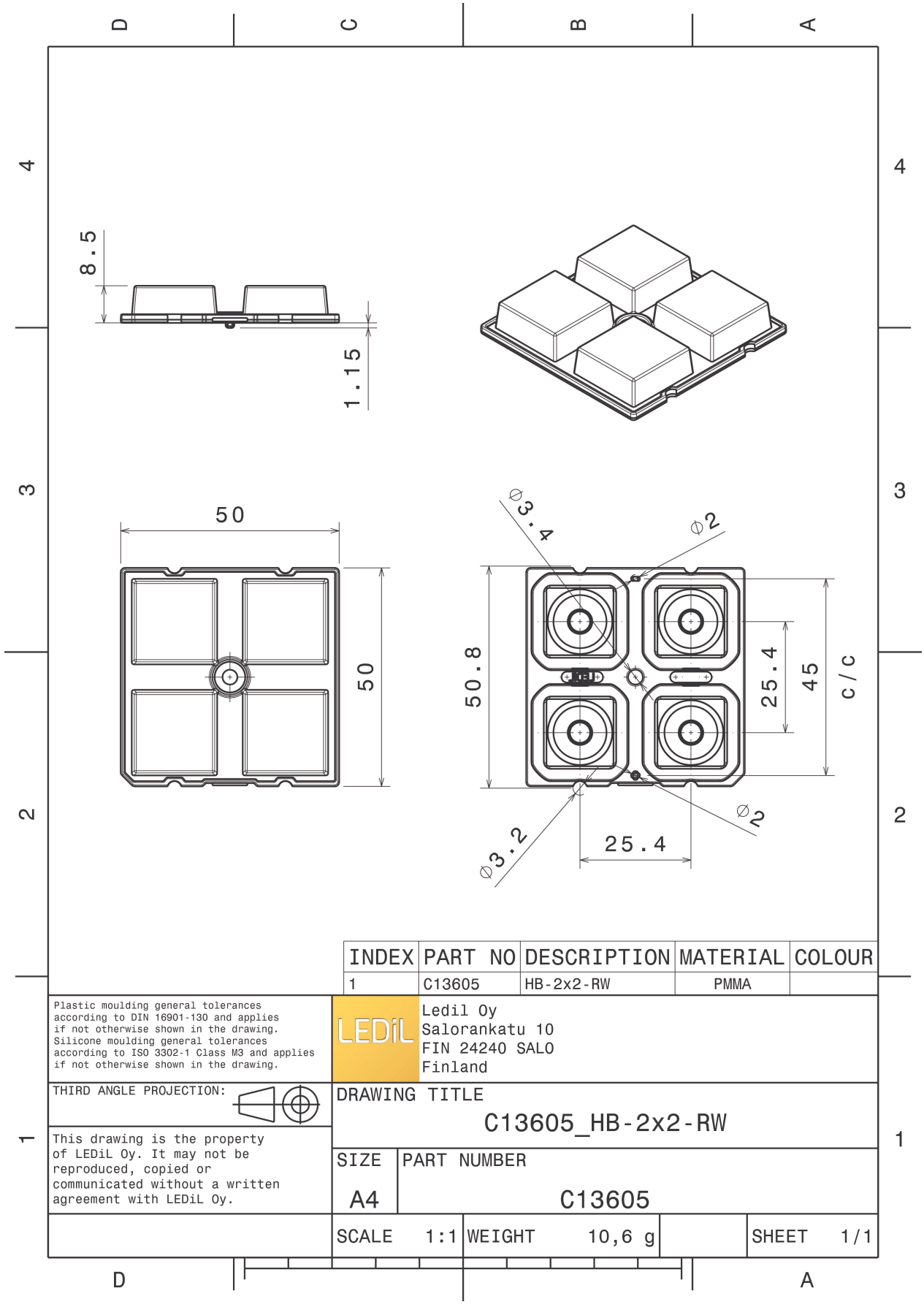
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HB-2X2-RW	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13605_HB-2X2-RW » Box size: 480 x 280 x 300 mm	800	160	160	9.3

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INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13605	HB-2x2-RW	PMMA	

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.

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
C13605_HB-2x2-RW

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SIZE	PART NUMBER
A4	C13605

SCALE	WEIGHT		SHEET
1:1	10,6 g		1/1

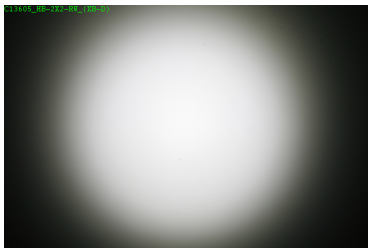
See also our general installation guide: www.ledil.com/installation_guide

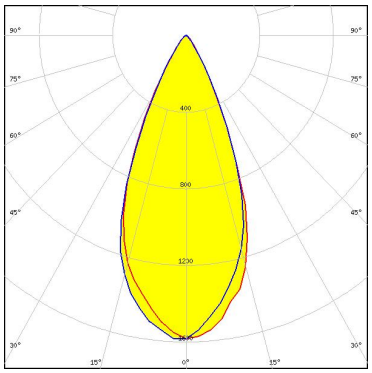
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XB-D
FWHM / FWTM	46.0° / 68.0°
Efficiency	88 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

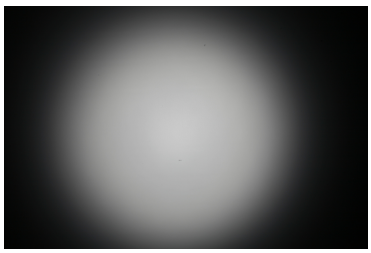


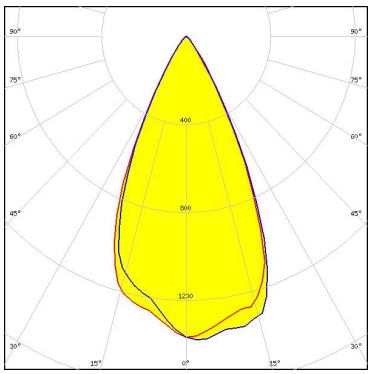


CREE LED

LED	XP-E
FWHM / FWTM	51.0° / 72.0°
Efficiency	89 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

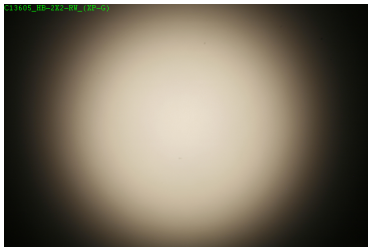


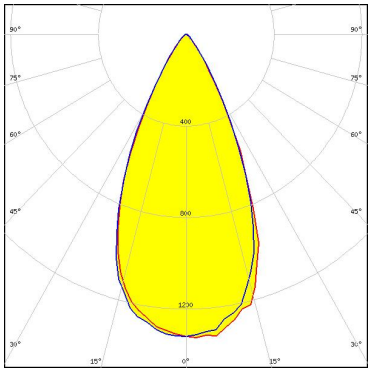


CREE LED

LED	XP-G
FWHM / FWTM	50.0° / 76.0°
Efficiency	89 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

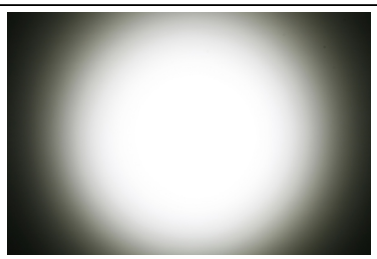


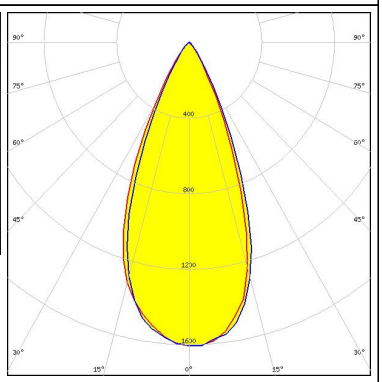


CREE LED

LED	XT-E
FWHM / FWTM	44.0° / 68.0°
Efficiency	91 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



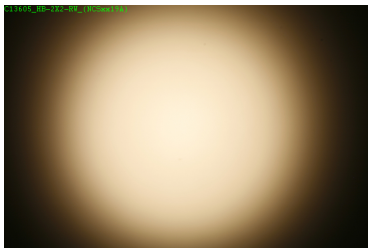


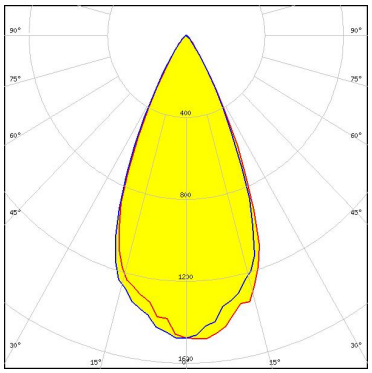
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PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NCSxx19A
FWHM / FWTM	49.0° / 71.0°
Efficiency	90 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

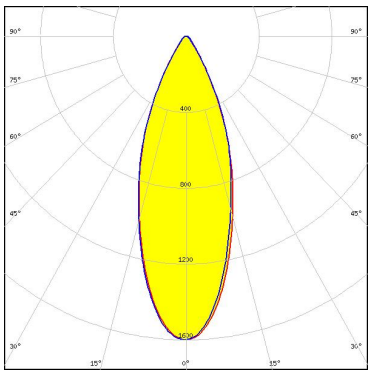




NICHIA

LED	NVSxE21A
FWHM / FWTM	37.0° / 68.0°
Efficiency	84 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

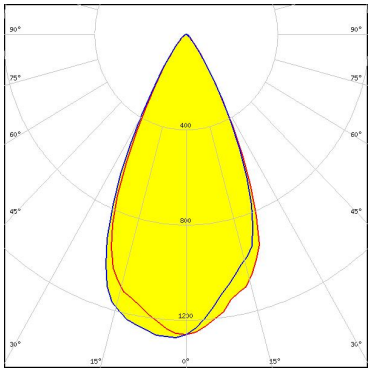




NICHIA

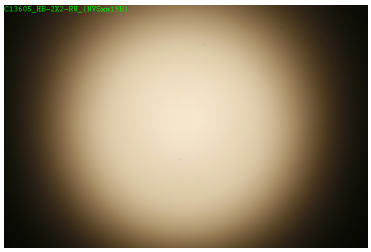
LED	NVSxx19A
FWHM / FWTM	52.0° / 76.0°
Efficiency	88 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

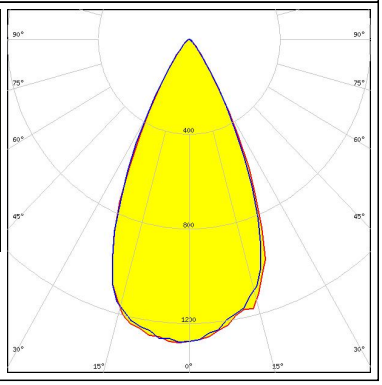




NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	51.0° / 76.0°
Efficiency	90 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





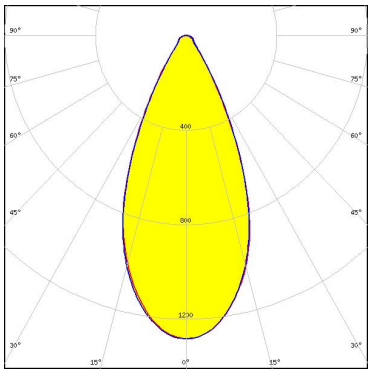
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PHOTOMETRIC DATA (MEASURED):

OSRAM

LED	PL-BRICK HP 3800 2x8 SSG
FWHM / FWTM	47.0° / 75.0°
Efficiency	95 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

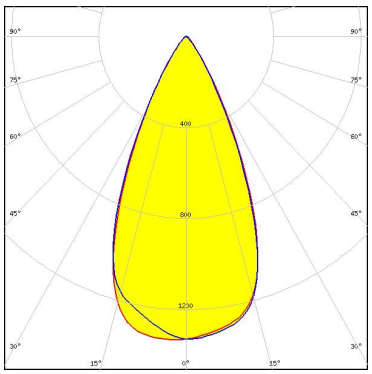




OSRAM

LED	PrevaLED Brick HP 2x8
FWHM / FWTM	49.0° / 73.0°
Efficiency	89 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

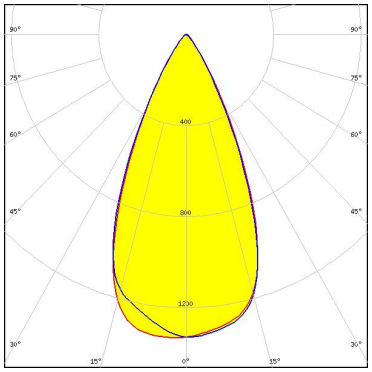




OSRAM
Opto Semiconductors

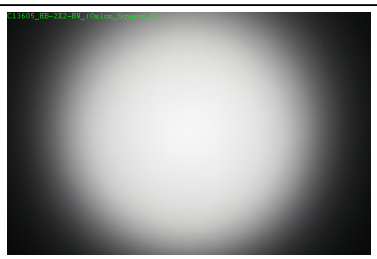
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	49.0° / 73.0°
Efficiency	89 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

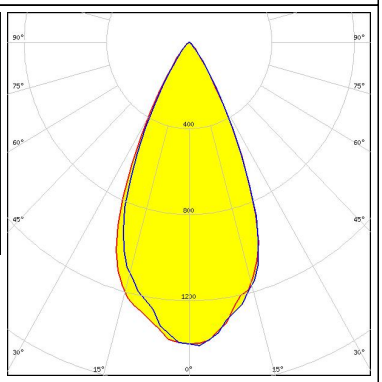




OSRAM
Opto Semiconductors

LED	OSLON Square PC
FWHM / FWTM	50.0° / 73.0°
Efficiency	90 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

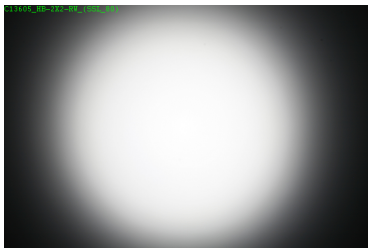


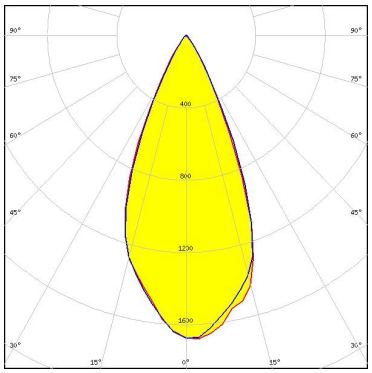


PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	46.0° / 68.0°
Efficiency	90 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

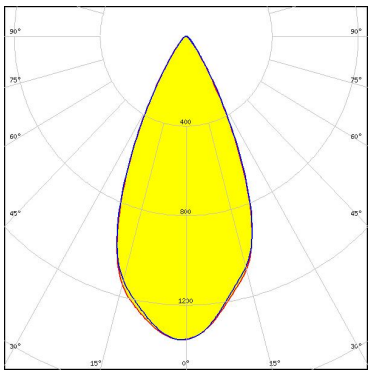




SAMSUNG

LED	LH351Z
FWHM / FWTM	48.0° / 72.0°
Efficiency	90 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

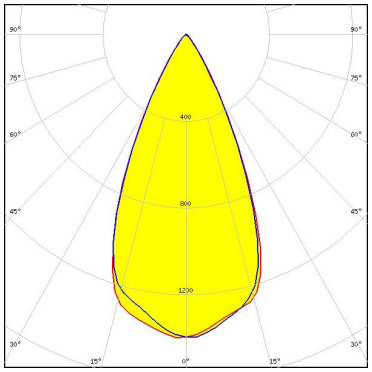




SEOUL SEMICONDUCTOR

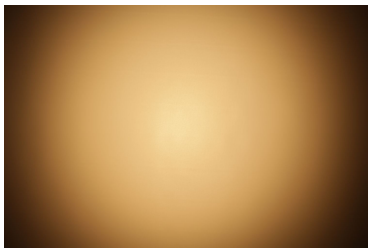
LED	Z5M1/Z5M2
FWHM / FWTM	49.0° / 73.0°
Efficiency	90 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

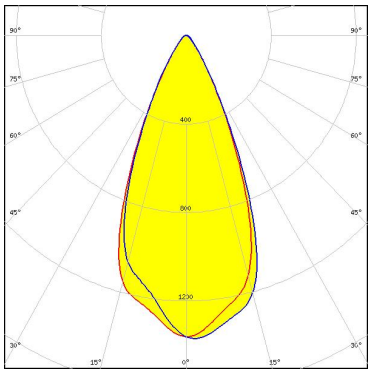




SEOUL SEMICONDUCTOR

LED	Z8Y15
FWHM / FWTM	46.0° / 71.0°
Efficiency	88 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





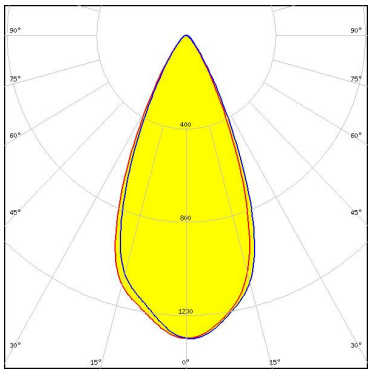
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z8Y19
FWHM / FWTM	47.0° / 74.0°
Efficiency	87 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



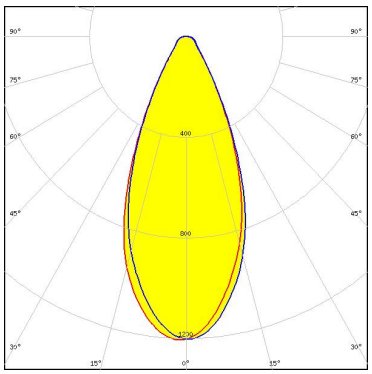


SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	45.0° / 78.0°
Efficiency	93 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



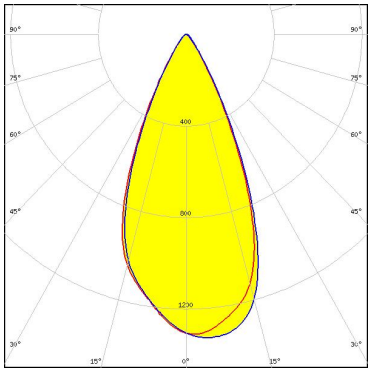


TOSHIBA
Leading Innovation

LED	TL1L4
FWHM / FWTM	47.0° / 70.0°
Efficiency	83 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

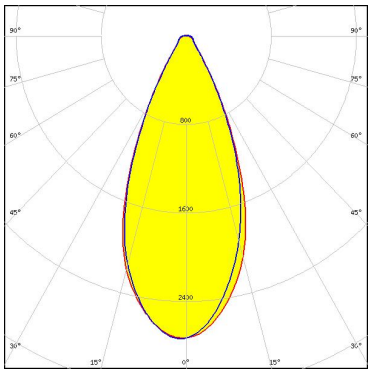




TRIDONIC

LED	RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM / FWTM	45.0° / 74.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

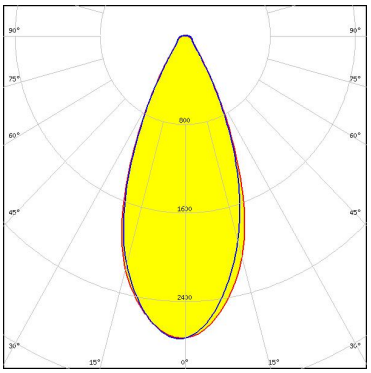


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PHOTOMETRIC DATA (MEASURED):

TRIDONIC

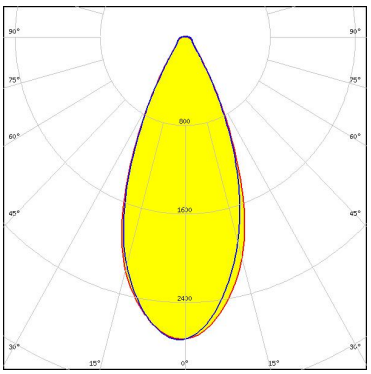
LED	RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM / FWTM	45.0° / 74.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



TRIDONIC

LED	RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM / FWTM	45.0° / 74.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

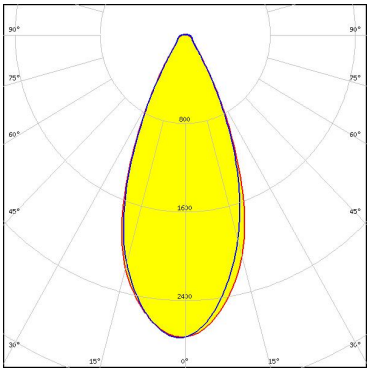




TRIDONIC

LED	RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM / FWTM	45.0° / 74.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





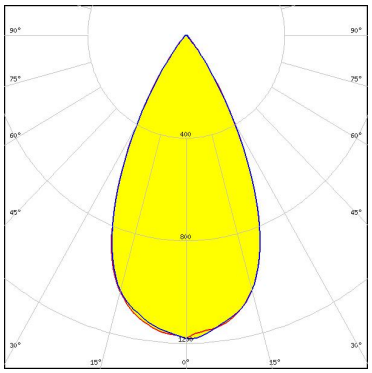
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PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

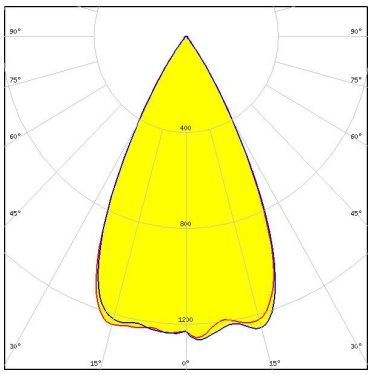
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	52.0° / 76.0°
Efficiency	88 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



SEOUL SEMICONDUCTOR

LED	Z8Y22T
FWHM / FWTM	54.0° / 71.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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.

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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Shipping locations
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Hong Kong, China

Distribution Partners
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where_to_buy

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