STRADELLA-16-HB-M

~60° medium beam for industrial applications

TECHNICAL SPECIFICATIONS:

Dimensions	49.5 x 49.5 mm
Height	6.8 mm
Fastening	pin, screw
ROHS compliant	yes

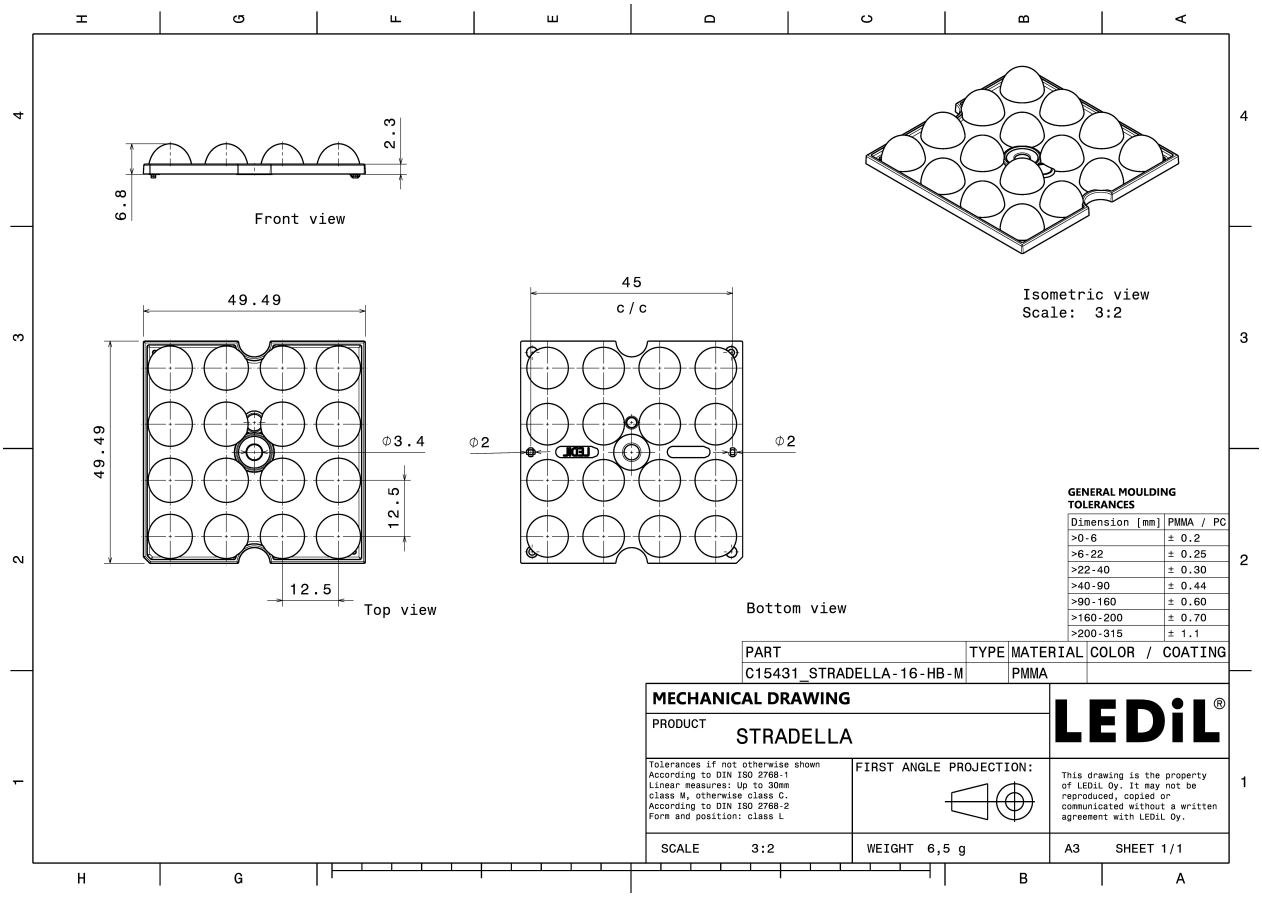
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STRADELLA-16-HB-M	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15431_STRADELLA-16-HB-M » Box size: 480 x 280 x 300 mm	800	160	160	6.0

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



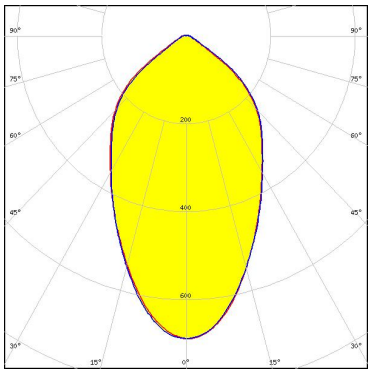
See also our general installation guide: www.ledil.com/installation_guide

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

PHOTOMETRIC DATA (MEASURED):

CREE

LED	J Series 3030
FWHM / FWTM	63.0° / 116.0°
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

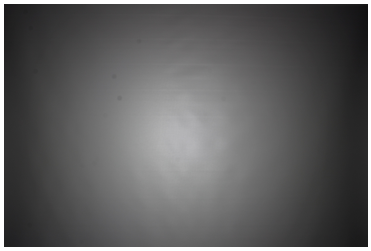


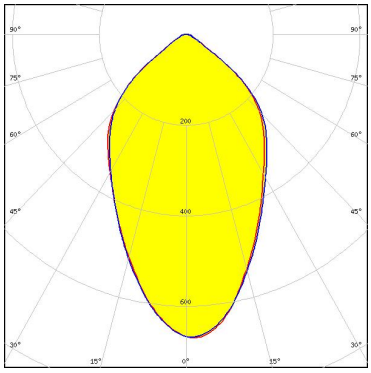
ELECTRIO

LED	EHP-223.5x50-1604-xx-70-LS30-06-NTC
FWHM / FWTM	64.0° / 115.0°
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

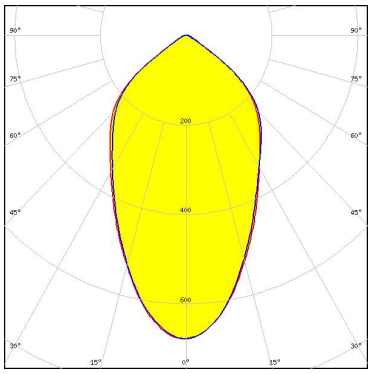
LED	NFSx757D
FWHM / FWTM	65.0° / 114.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

LED	NFSx757G
FWHM / FWTM	61.0° / 115.0°
Efficiency	93 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

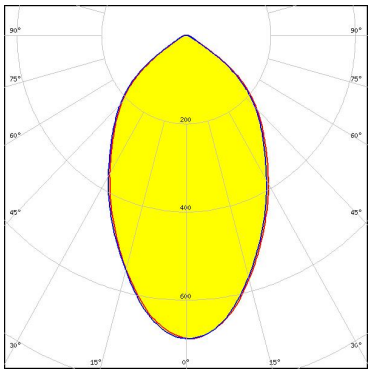


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

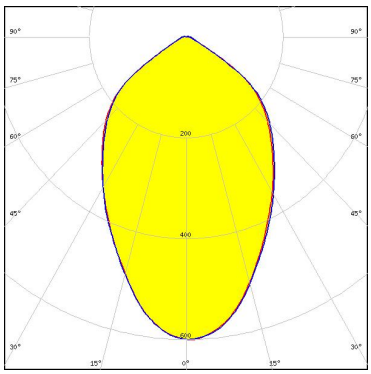
NICHIA

LED	NVSW219D
FWHM / FWTM	65.0° / 116.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



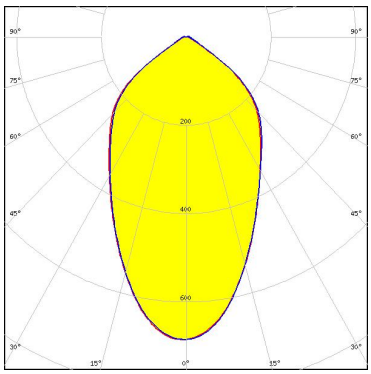
NICHIA

LED	NVSW319B
FWHM / FWTM	72.0° / 121.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



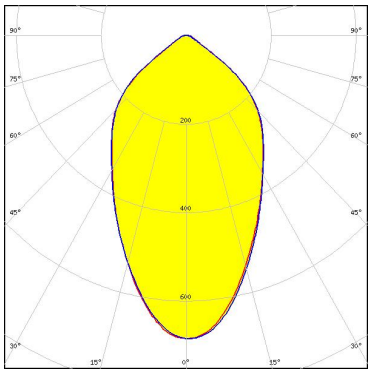
OSRAM

LED	PrevaLED Brick MP 4x16
FWHM / FWTM	63.0° / 116.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM / FWTM	63.0° / 115.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	Purple
Required components:	

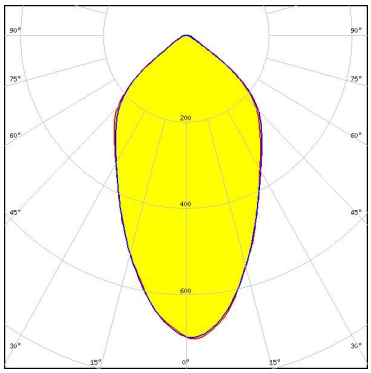


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

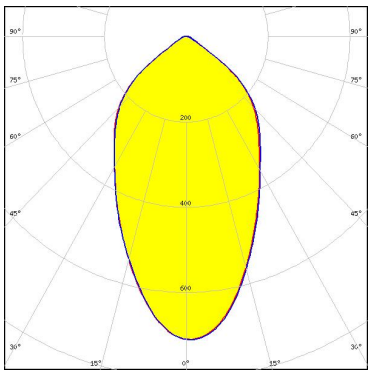
OSRAM Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM / FWTM	59.0° / 114.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



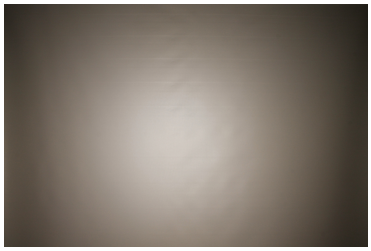
OSRAM Opto Semiconductors

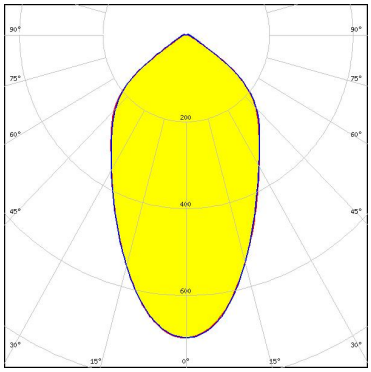
LED	OSCONIQ S 3030
FWHM / FWTM	60.0° / 114.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHILIPS

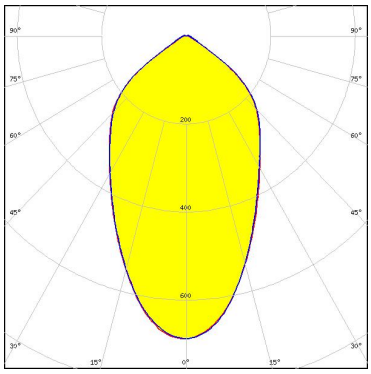
LED	Fortimo FastFlex LED 4x16 DHE G4
FWHM / FWTM	61.0° / 115.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





SAMSUNG

LED	HiLOM RM64 (LM301B)
FWHM / FWTM	62.0° / 116.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

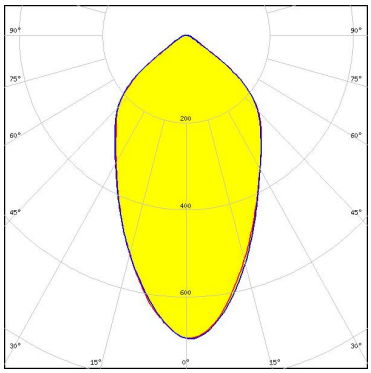


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

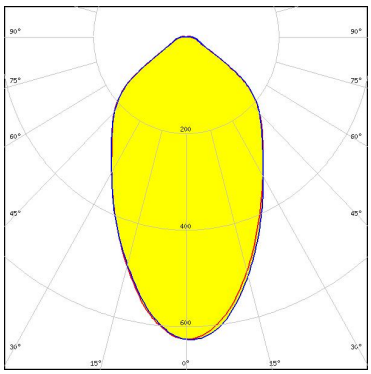
SAMSUNG

LED	LM231 A/B
FWHM / FWTM	60.0° / 114.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



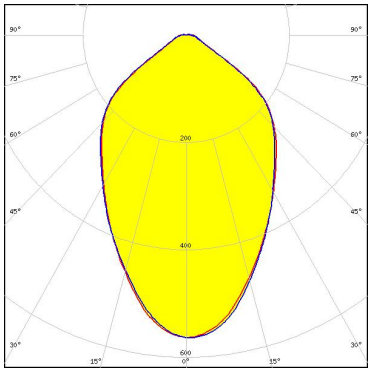
SCIOLUX

LED	XLE-S44XTEHE (XT-E HE)
FWHM / FWTM	63.0° / 120.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



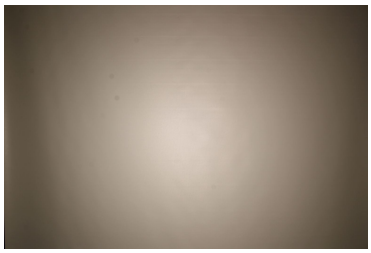
SCIOLUX

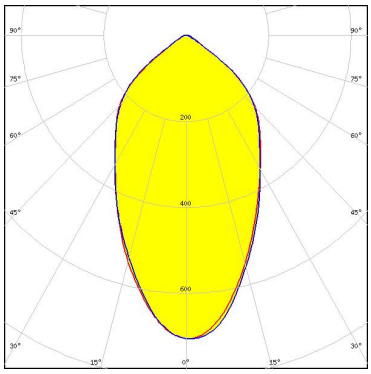
LED	XLE-S48XPG3 (XP-G3)
FWHM / FWTM	74.0° / 122.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	SEOUL 3030
FWHM / FWTM	60.0° / 114.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



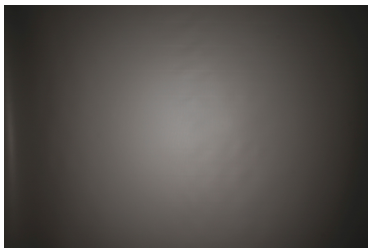


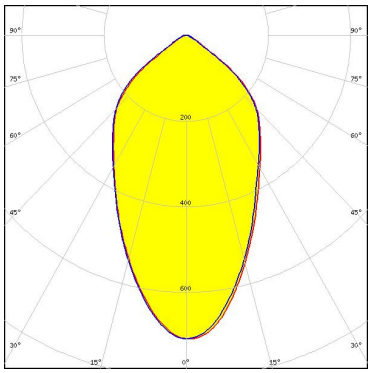
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

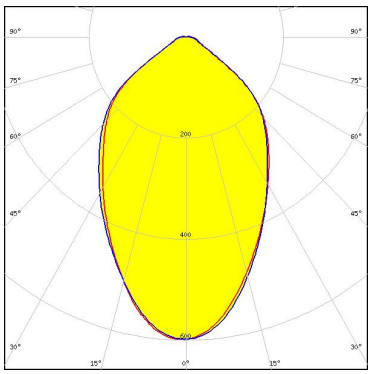
LED	SEOUL DC 3030
FWHM / FWTM	61.0° / 117.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





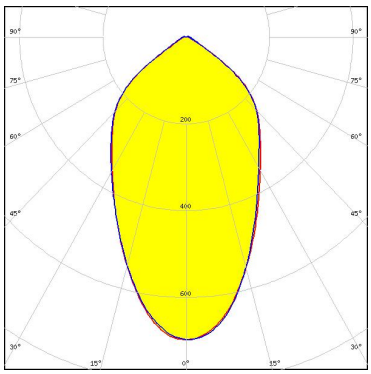
SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	70.0° / 120.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



TRIDONIC

LED	RLE 4x16 4000lm MP ADV2 OTD
FWHM / FWTM	61.0° / 116.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



TRIDONIC

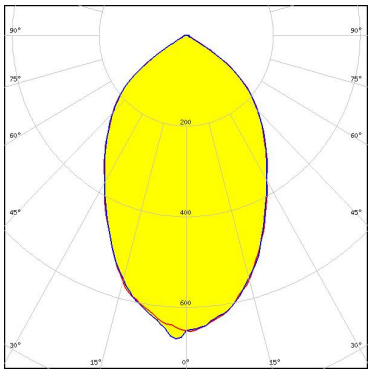
LED	RLE 4x8 2000lm MP ADV2 OTD
FWHM / FWTM	61.0° / 116.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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

PHOTOMETRIC DATA (SIMULATED):

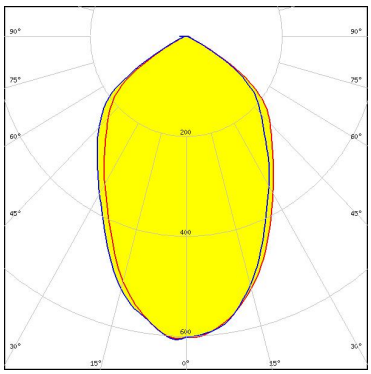
CREE

LED	J Series 5050 Round LES
FWHM / FWTM	69.0° / 117.0°
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



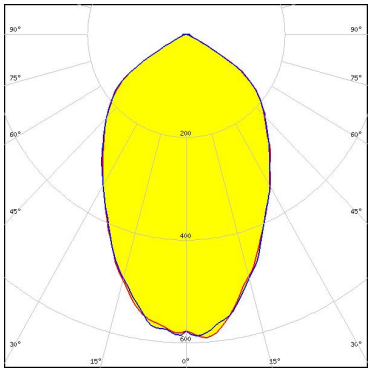
CREE

LED	XP-G2
FWHM / FWTM	71.0° / 123.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



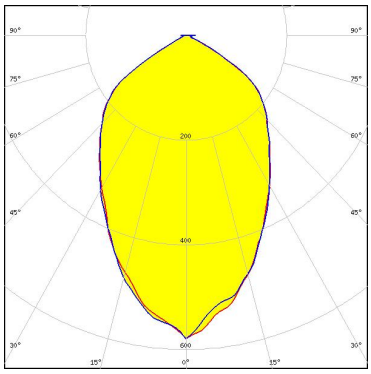
CREE

LED	XP-G2 HE
FWHM / FWTM	70.0° / 122.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

LED	XP-G3
FWHM / FWTM	71.0° / 123.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

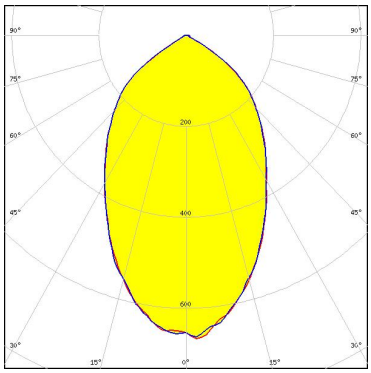


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

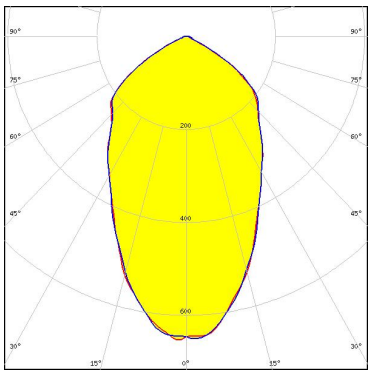
LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	68.0° / 118.0°
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



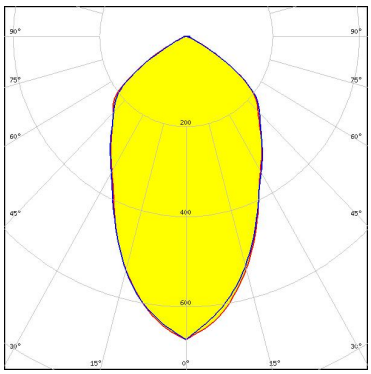
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	64.0° / 124.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



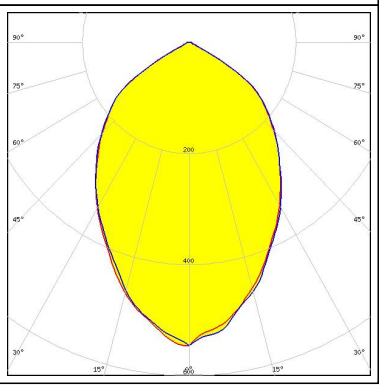
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	62.0° / 122.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	



NICHIA

LED	NVSW519A
FWHM / FWTM	77.0° / 124.0°
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

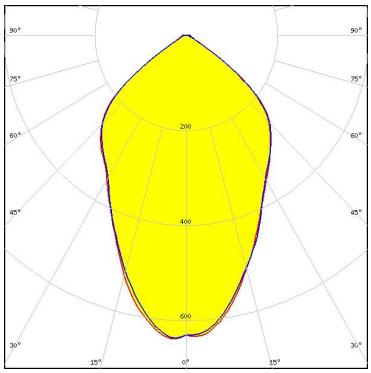


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

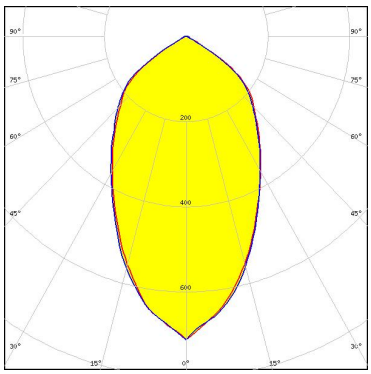
NICHIA

LED	NVSxE21A
FWHM / FWTM	69.0° / 117.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



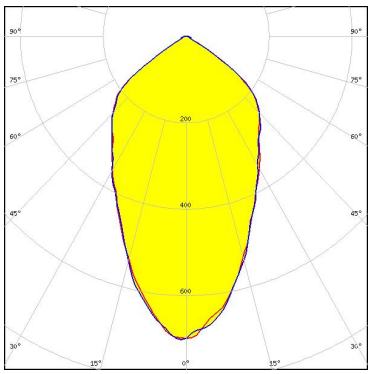
OSRAM Opto Semiconductors

LED	Duris E5
FWHM / FWTM	62.0° / 119.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



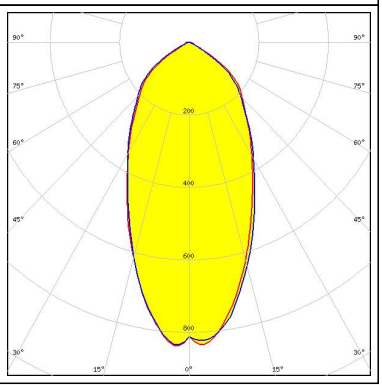
OSRAM Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	61.0° / 116.0°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	52.0° / 118.0°
Efficiency	96 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

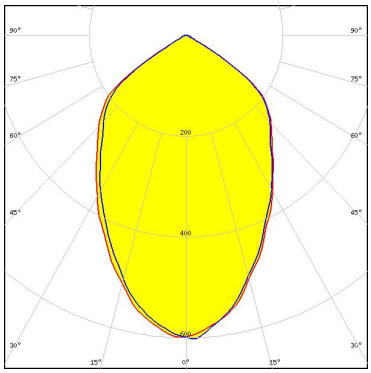


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

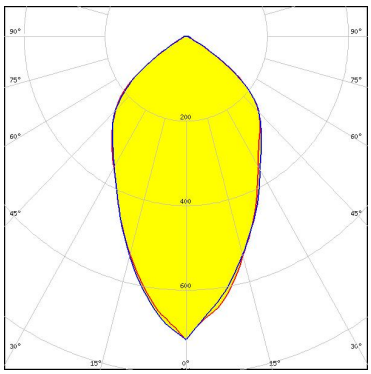
OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	73.0° / 120.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	



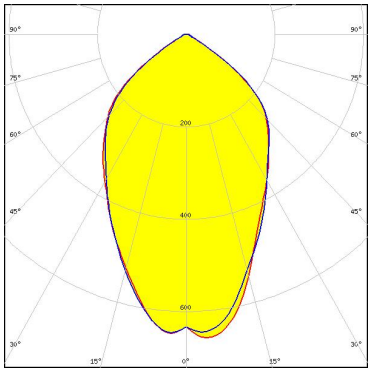
SAMSUNG

LED	LH181B
FWHM / FWTM	60.0° / 117.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

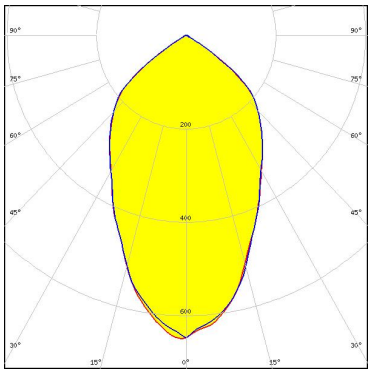
LED	LH181B
FWHM / FWTM	67.0° / 118.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH231B
FWHM / FWTM	62.0° / 114.0°
Efficiency	87 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass

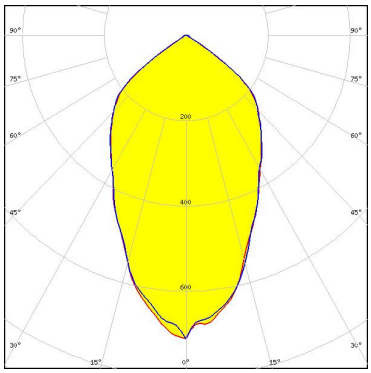


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

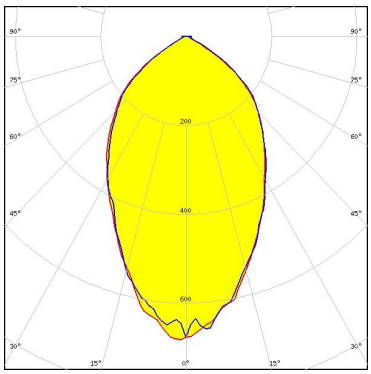
SAMSUNG

LED	LH231B
FWHM / FWTM	62.0° / 114.0°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



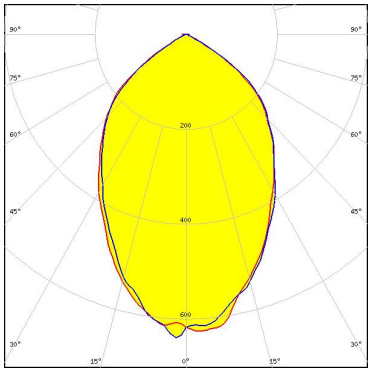
SAMSUNG

LED	LH351B
FWHM / FWTM	66.0° / 119.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



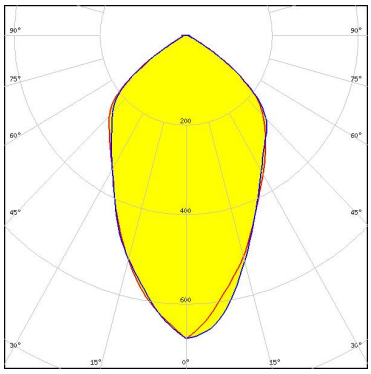
SAMSUNG

LED	LH351C
FWHM / FWTM	79.0° / 119.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LM101B
FWHM / FWTM	63.0° / 119.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



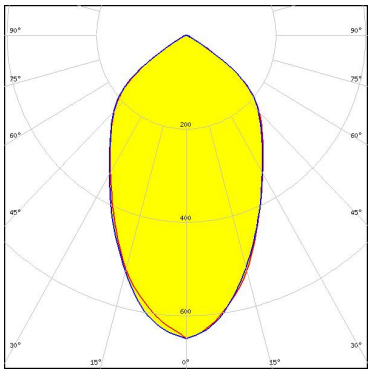
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

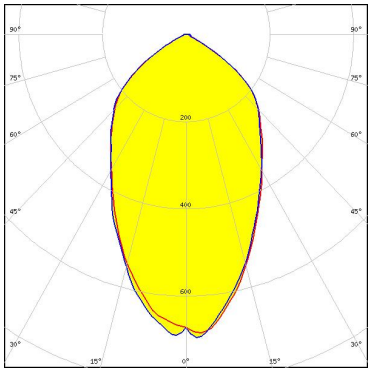
LED	LM301B
FWHM / FWTM	63.0° / 116.0°
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



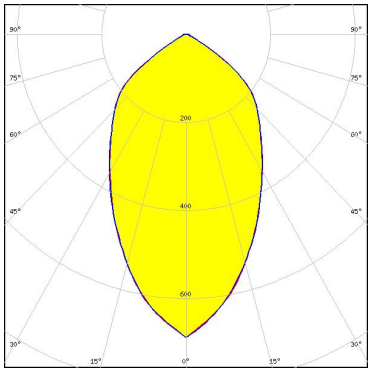
SAMSUNG

LED	LM301B
FWHM / FWTM	62.0° / 120.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



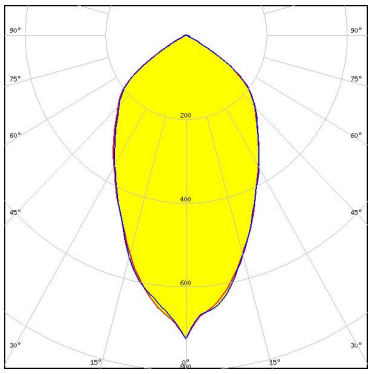
SAMSUNG

LED	LM302D
FWHM / FWTM	64.0° / 118.0°
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030C
FWHM / FWTM	60.0° / 119.0°
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

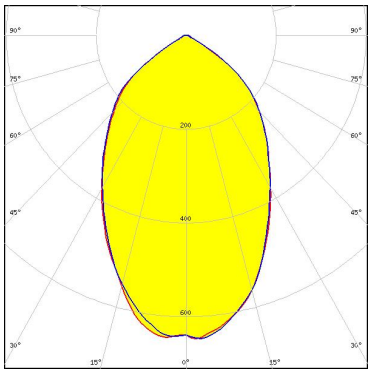


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

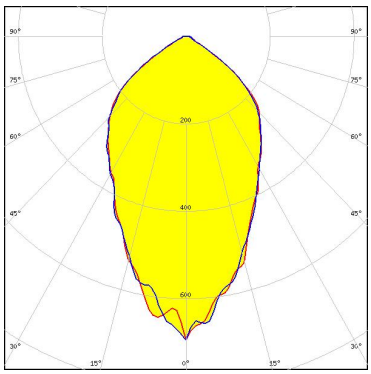
SEOUL SEMICONDUCTOR

LED	SEOUL DC 5050 6V
FWHM / FWTM	67.0° / 119.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y22T
FWHM / FWTM	66.0° / 119.0°
Efficiency	94 %
Peak intensity	0.7 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.

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.

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.