STRADELLA-8-HV-ME-N

Beam designed for high poles and fulfilling EN13201 M-class requirements where road width is less than the pole height. Variant with improved creepage distance for high voltage circuit design.



SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	6 mm
Fastening	pin, screw
ROHS compliant	yes

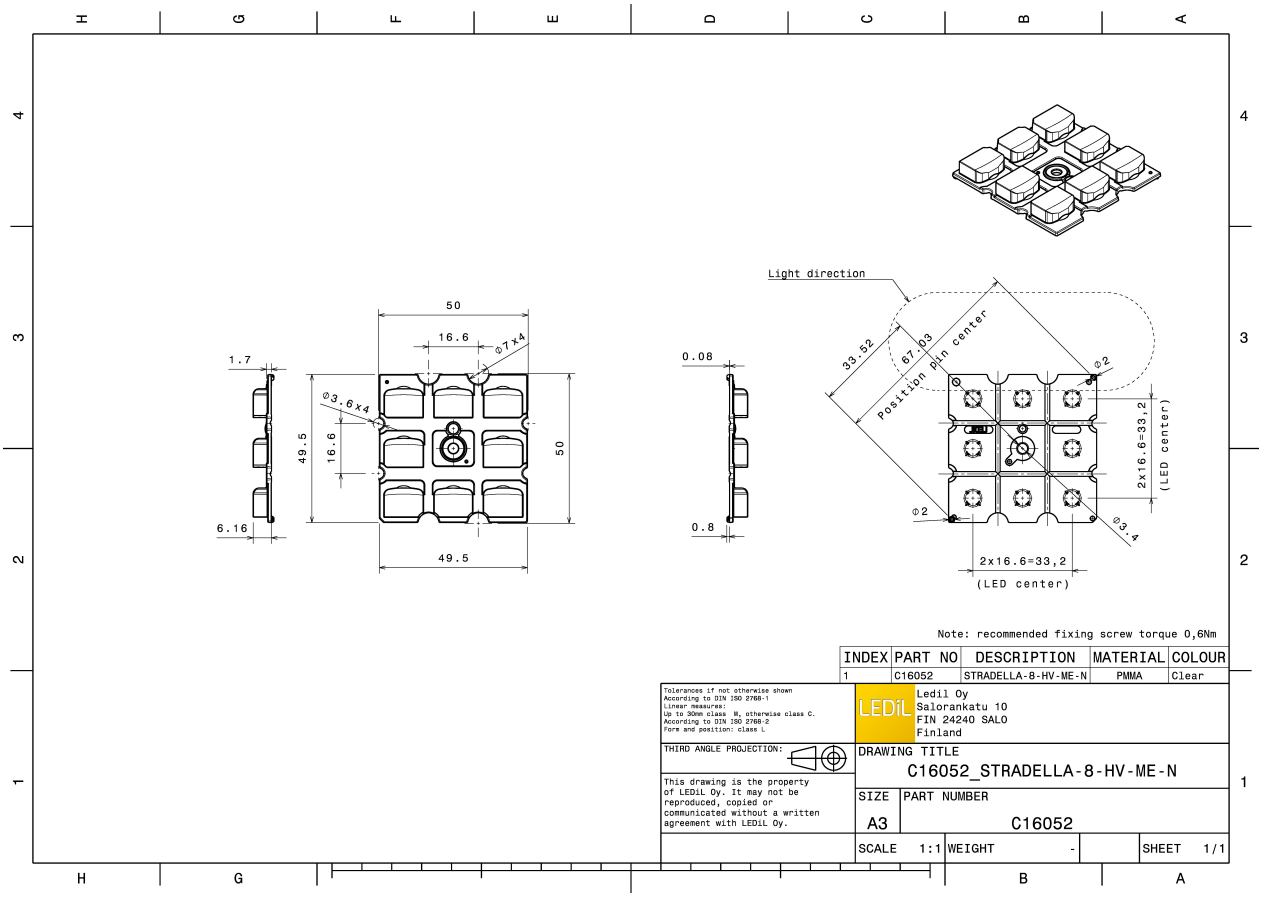
MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-8-HV-ME-N	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16052_STRADELLA-8-HV-ME-N » Box size: 476 x 273 x 292 mm	800	160	160	5.9

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



Note: recommended fixing screw torque 0,6Nm

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C16052	STRADELLA-8-HV-ME-N	PMMA	Clear

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
C16052_STRADELLA-8-HV-ME-N

SIZE A3 | PART NUMBER C16052

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

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

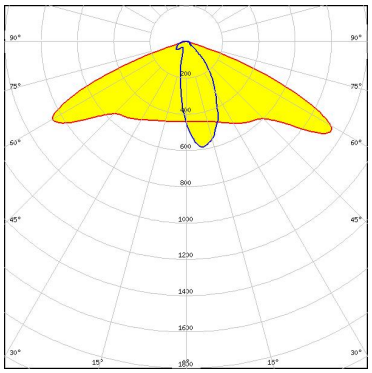
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	J Series 3030
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

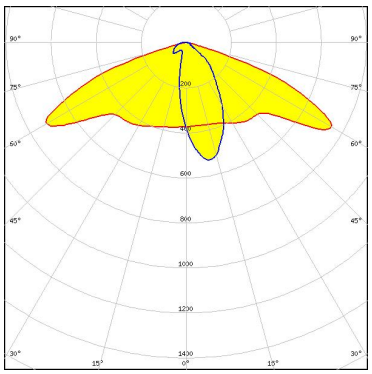
Required components:



CREE LEDs

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

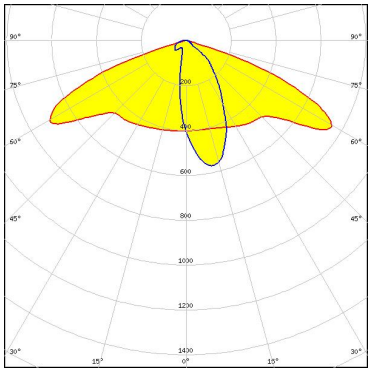
Required components:



LUMILEDS

LED	LUXEON V2
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

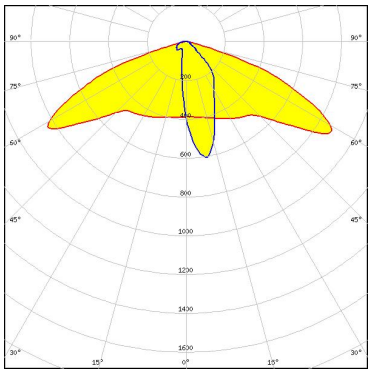
Required components:



NICHIA

LED	NF2W585AR
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

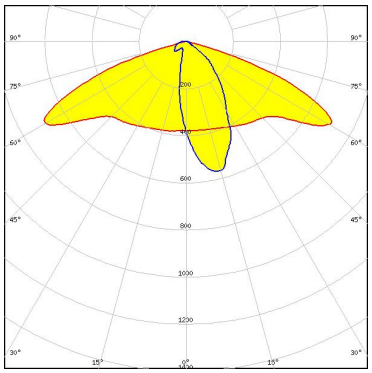


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

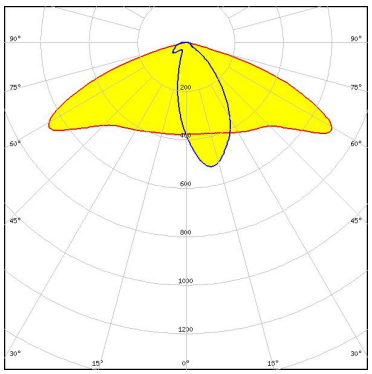
NICHIA

LED	NVSW219F
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



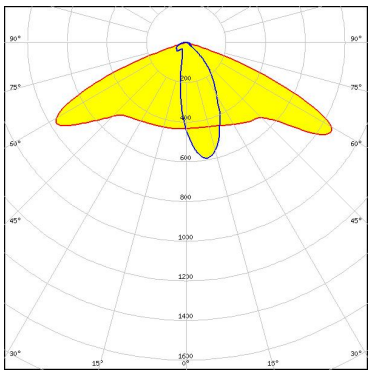
NICHIA

LED	NVSW319B
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



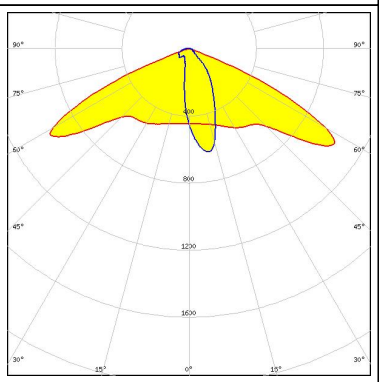
OSRAM
Opto Semiconductors

LED	OSCONIQ S 3030 (QSLR31)
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHILIPS

LED	Fortimo FastFlex LED 4x8up PR G5
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



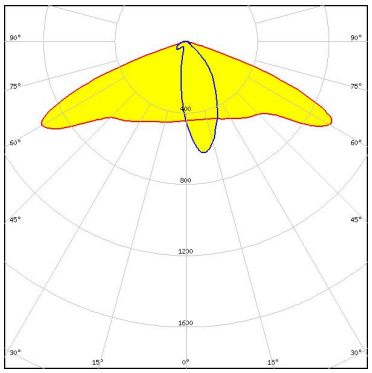
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030C
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

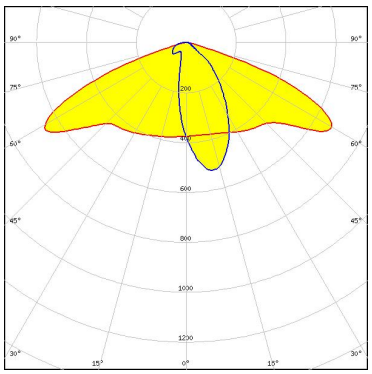
Required components:



SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	Asymmetric
Efficiency	94 %
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.

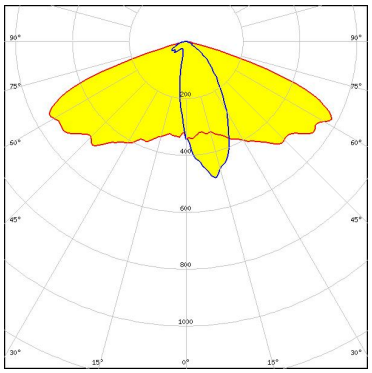
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XP-G2
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

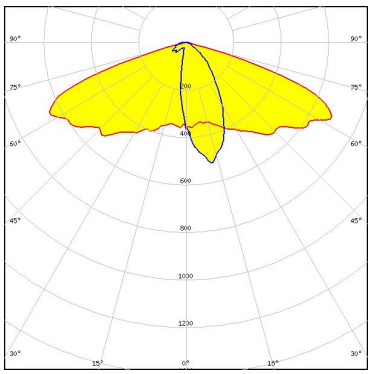
Protective plate, glass



CREE LEDs

LED	XP-G2
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

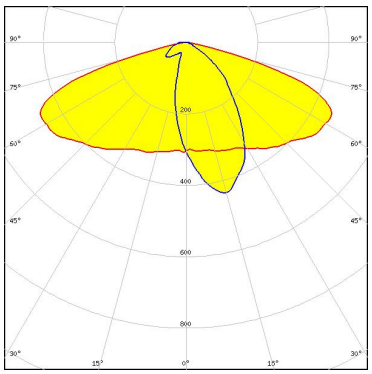
Required components:



CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

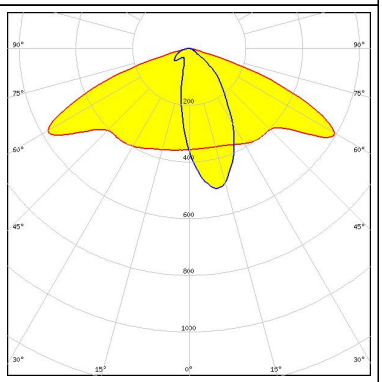


CREE LEDs

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	85 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

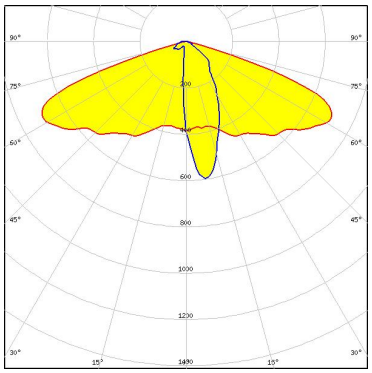


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

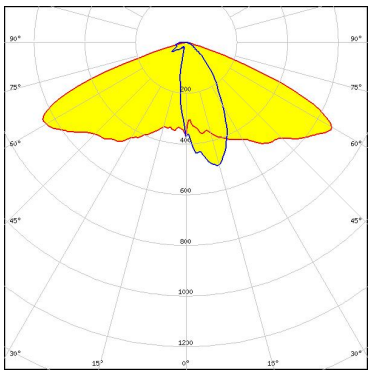
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



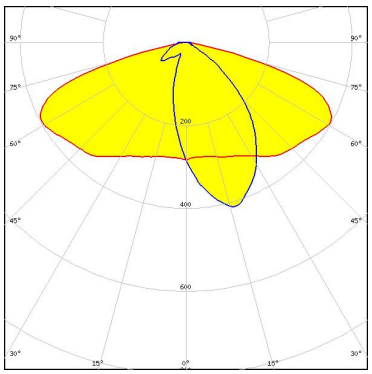
NICHIA

LED	NF2x757G
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

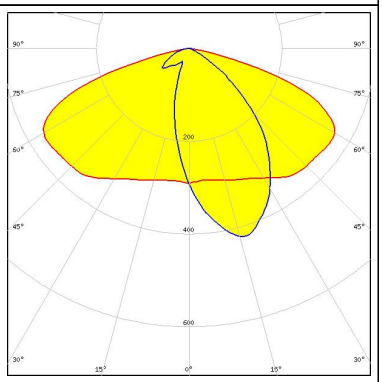
LED	NVSW519A
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSW519A
FWHM / FWTM	Asymmetric
Efficiency	86 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass

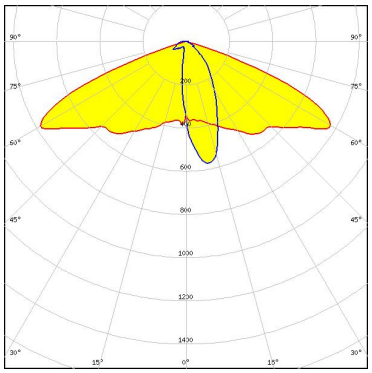


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

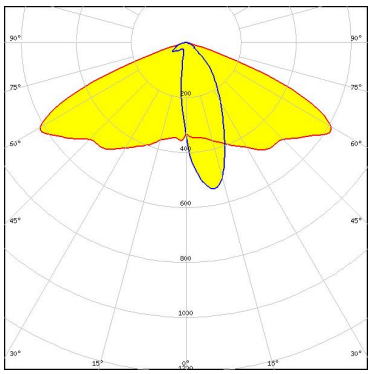
LED	OSCONIQ C 2424
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

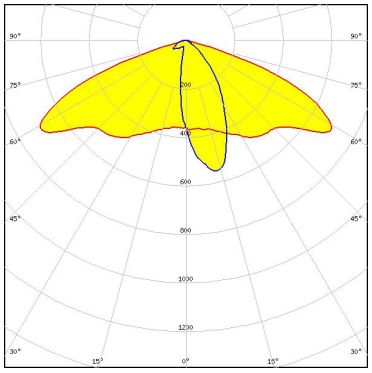
LED	OSCONIQ C 2424
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



OSRAM
Opto Semiconductors

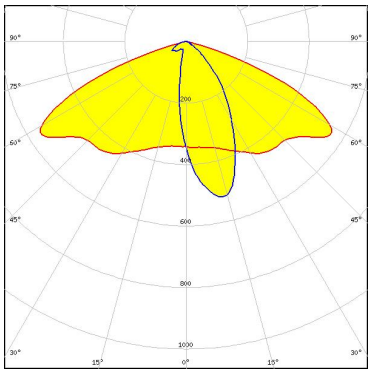
LED	OSCONIQ C 3030
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass

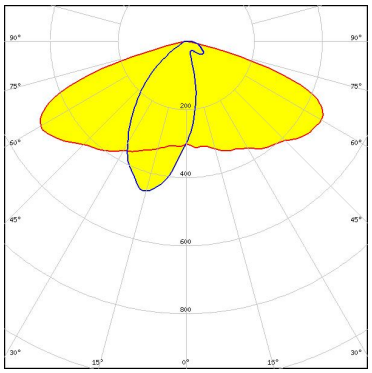


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

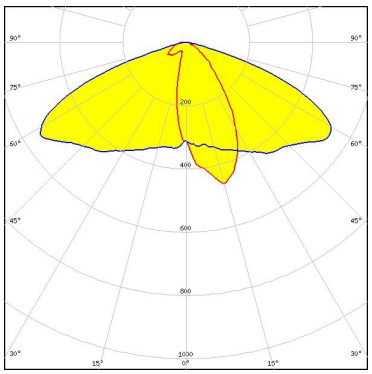
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



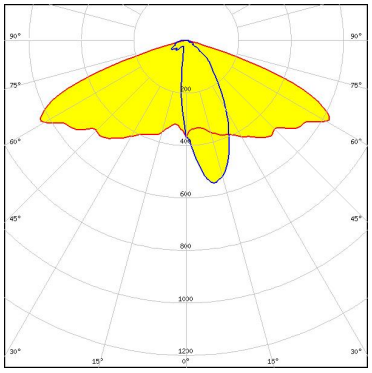
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



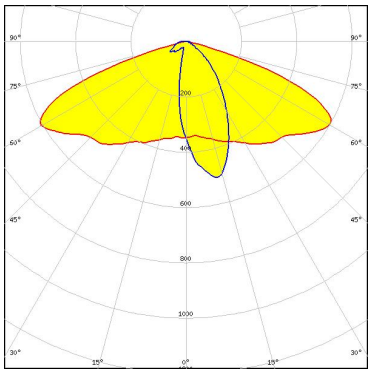
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	92 %
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.

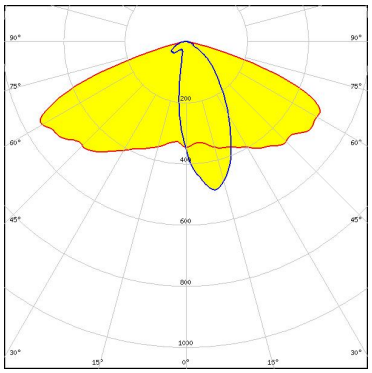
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

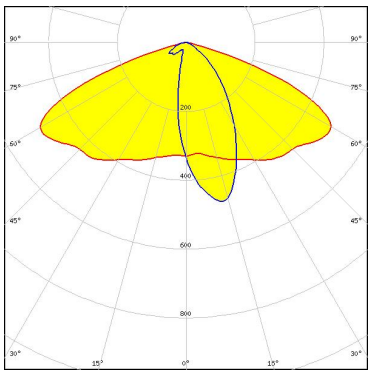


OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

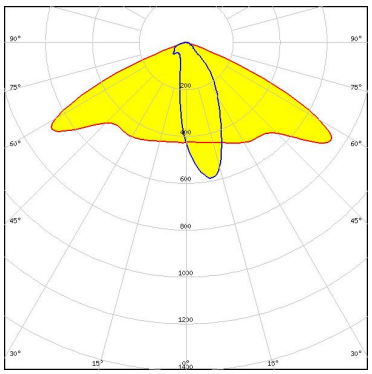


PHILIPS

LED	Fortimo FastFlex LED 4x8up PR G5
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

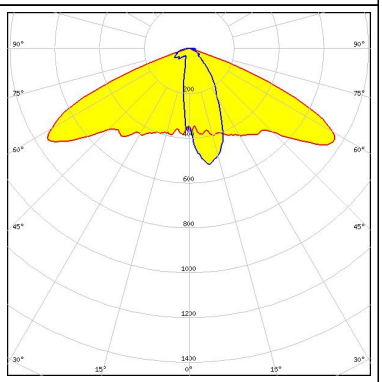
Protective plate, glass



SAMSUNG

LED	LH181B
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

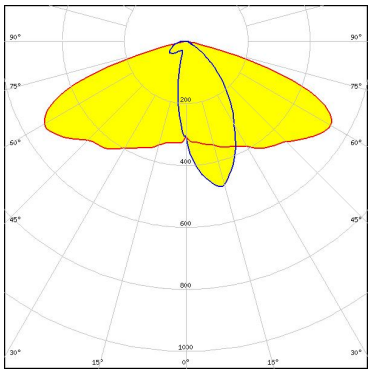


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

SAMSUNG

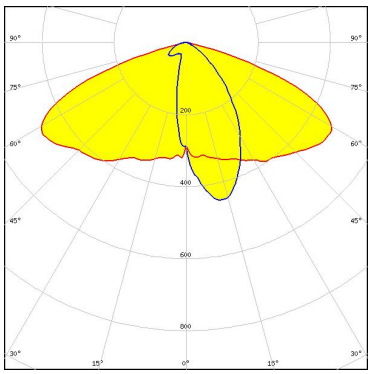
LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

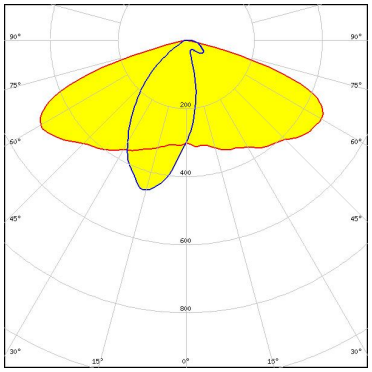
LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



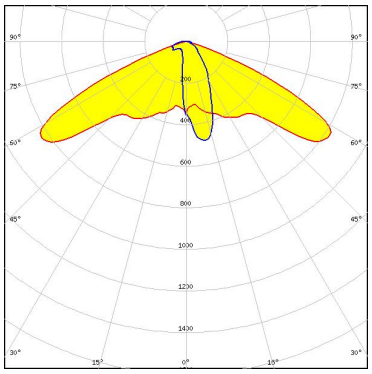
SAMSUNG

LED	LH351C
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y19
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

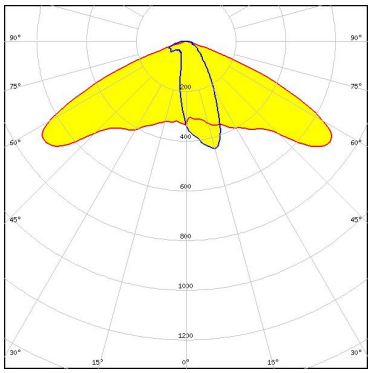


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

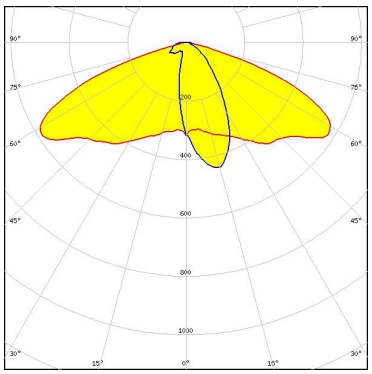
SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	Asymmetric
Efficiency	91 %
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.