STRADELLA-8-HV-SCL

Type II/III (long) beam for very wide pole to pole distances. Ideal for pedestrian paths and residential roads. EN13201 P-class. Variant with improved creepage distance for high voltage circuit design

SPECIFICATION:

Dimensions	49.5 x 49.5
Height	5.4 mm
Fastening	pin, screw
ROHS compliant	yes

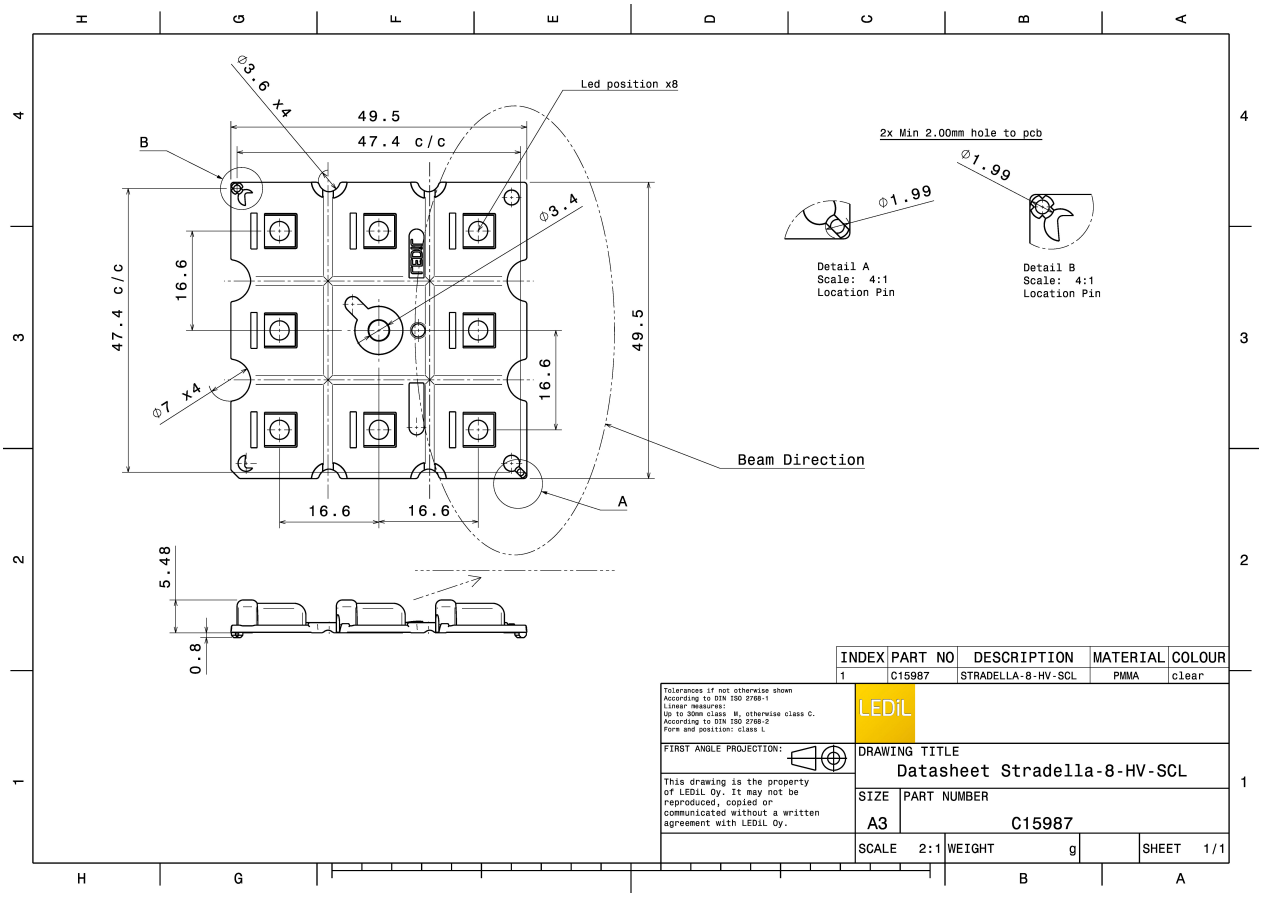
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
STRADELLA-8-HV-SCL	Multi-lens	PMMA	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15987_STRADELLA-8-HV-SCL » Box size: 480 x 280 x 300 mm	800	160	160	8.0

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

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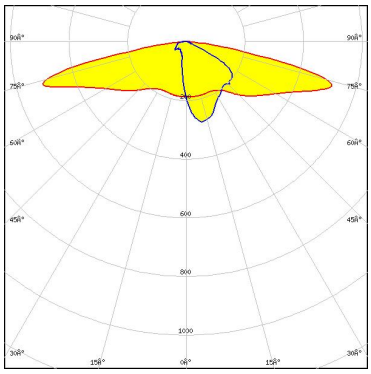
OPTICAL RESULTS (MEASURED):

CREE LEDs

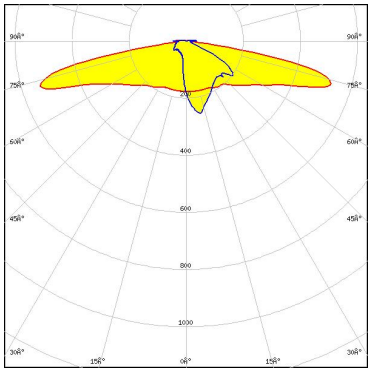
LED	J Series 3030
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

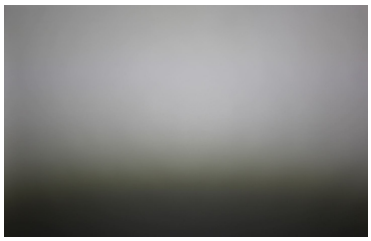
LED	XD16
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

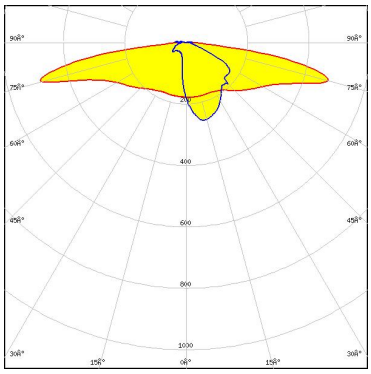


Light distribution files

CREE LEDs

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





Light distribution files

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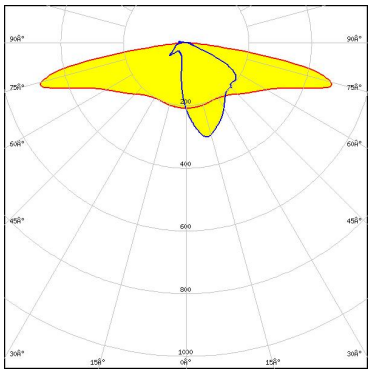
OPTICAL RESULTS (MEASURED):

inventronics

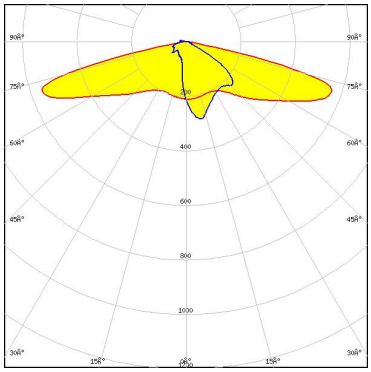
LED	PL-BRICK HP 3x8 Stradella-8
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

PHILIPS

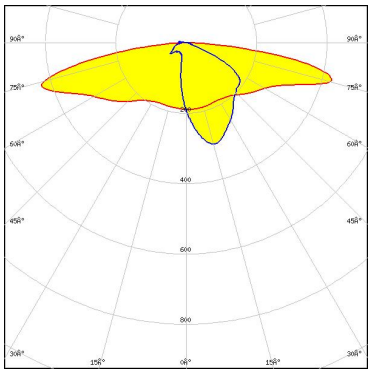
LED	Fortimo FastFlex LED 4x8up PR G5
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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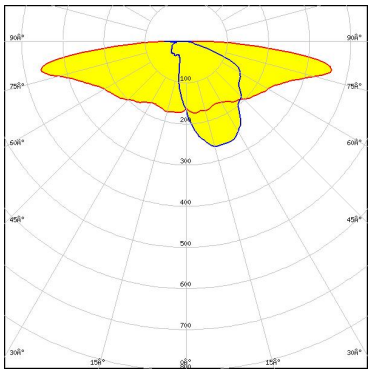
OPTICAL RESULTS (SIMULATED):

CREE LEDs

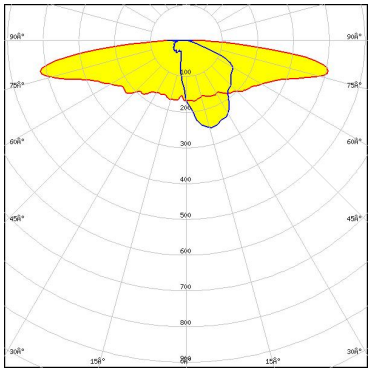
LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

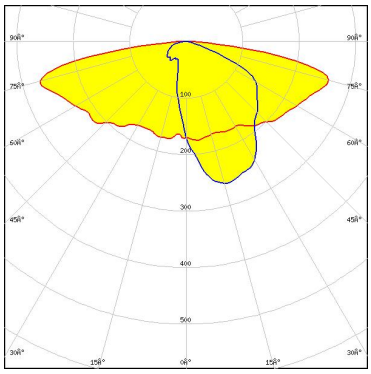
LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Protective plate, glass

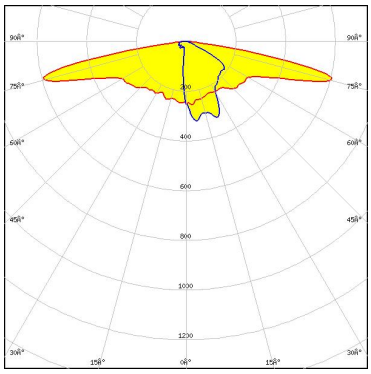
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

CREE LEDs

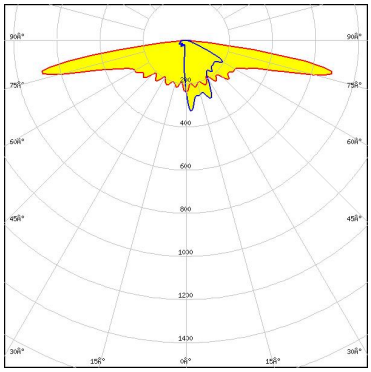
LED	XQ-E HD
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

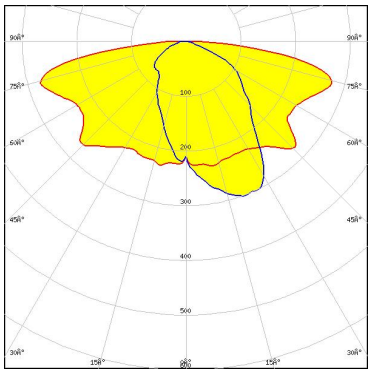
LED	XQ-E HI
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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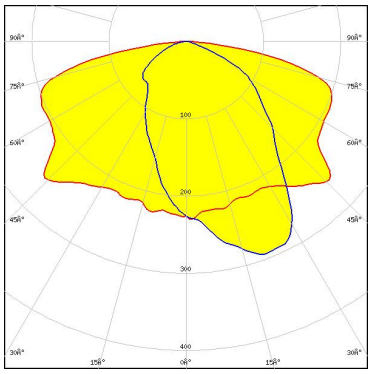
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

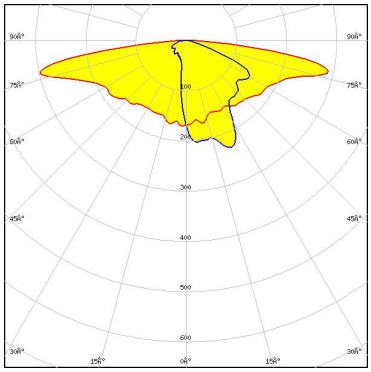


Protective plate, glass

Light distribution files

LUMILEDS

LED	LUXEON C
FWHM / FWTM	Asymmetric
Efficiency	67 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

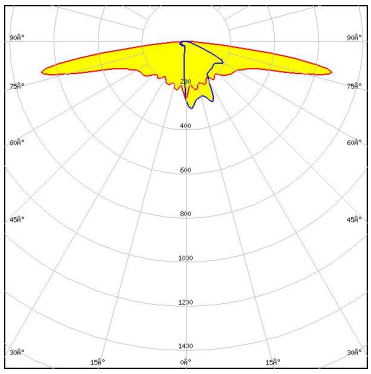


Protective plate, glass

Light distribution files

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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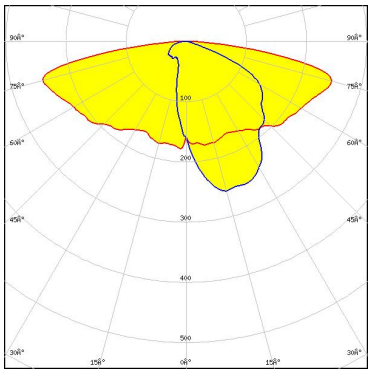
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NVSW219F
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Protective plate, glass

Light distribution files

NICHIA

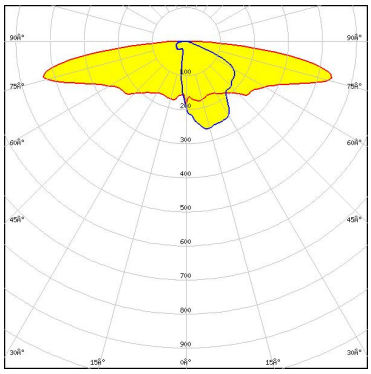
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	Asymmetric
Efficiency	74 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

Light distribution files

NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



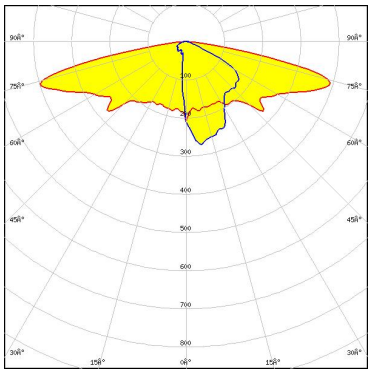
Light distribution files

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	77 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

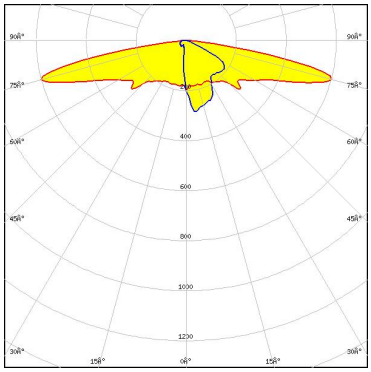


Protective plate, glass

Light distribution files

OSRAM
Opto Semiconductors

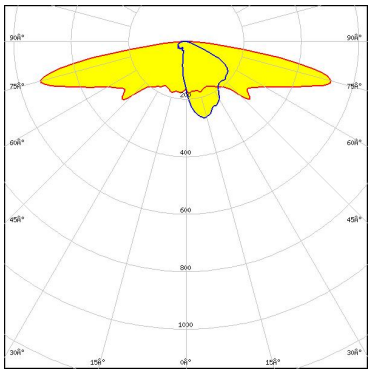
LED	OSCONIQ C 2424
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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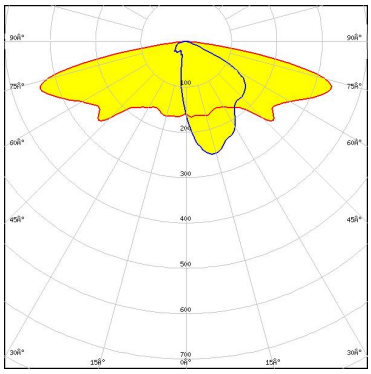
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

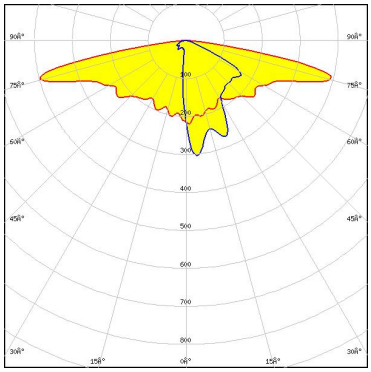


Protective plate, glass

Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	Asymmetric
Efficiency	74 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

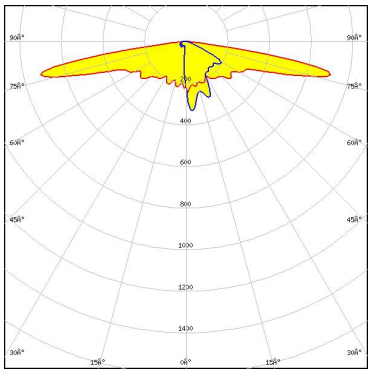


Protective plate, glass

Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



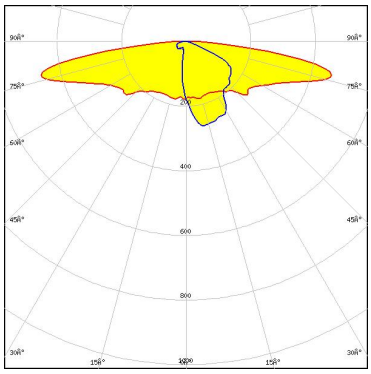
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

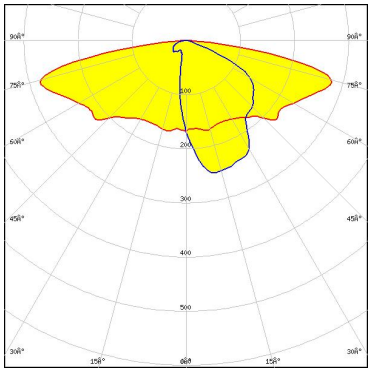
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

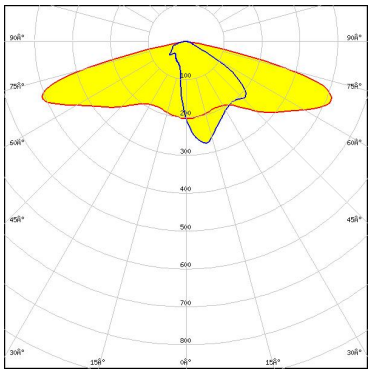


Protective plate, glass

Light distribution files

PHILIPS

LED	Fortimo FastFlex LED 4x8up PR G5
FWHM / FWTM	Asymmetric
Efficiency	81 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Protective plate, glass

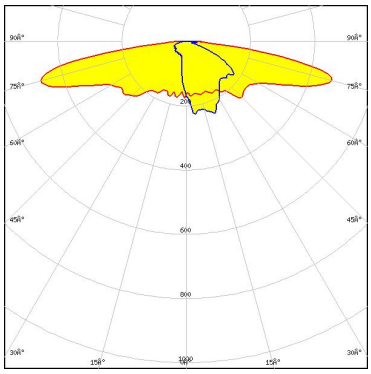
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

SAMSUNG

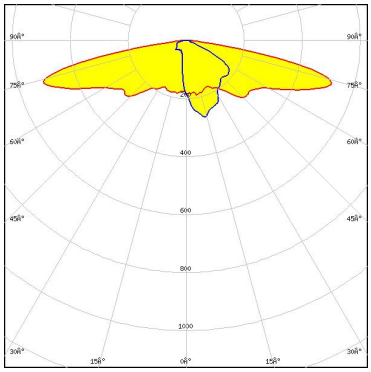
LED	LH181A
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

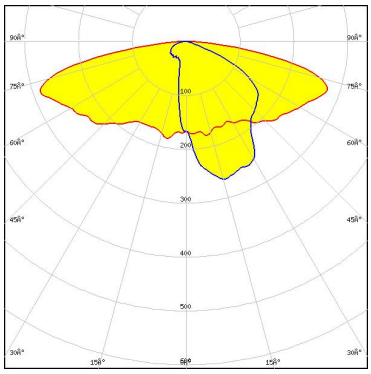
LED	LH181B
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Protective plate, glass

Light distribution files

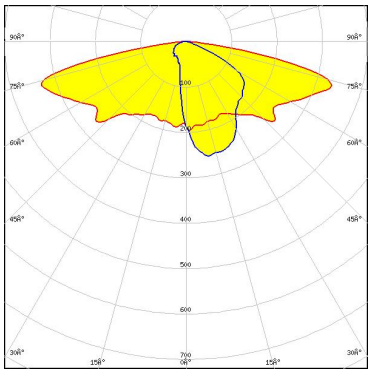
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LM302D
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

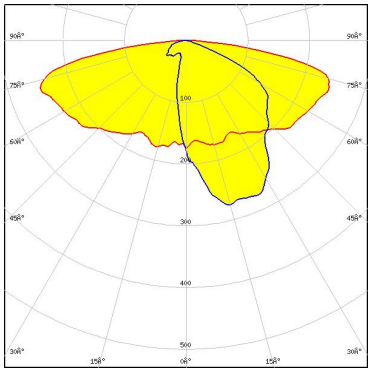


Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M3-E1
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

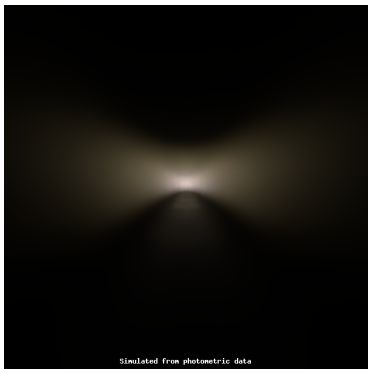
Protective plate, glass

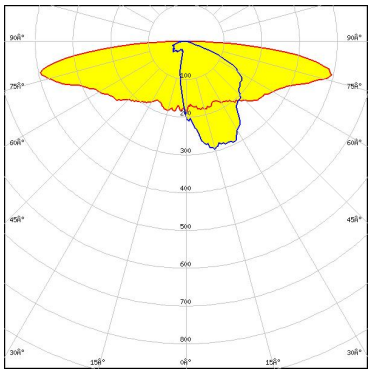


Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M3-E1
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

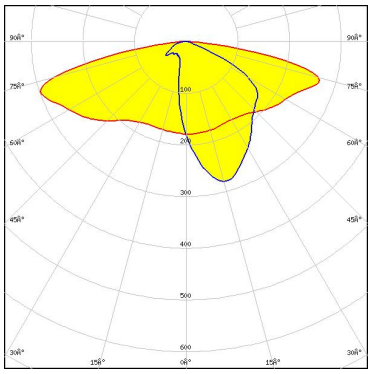
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

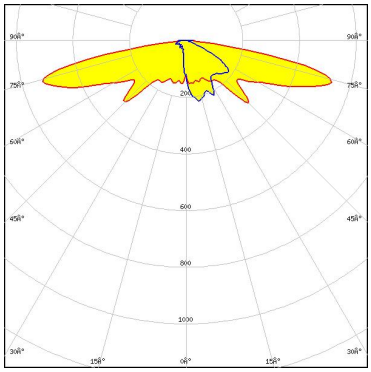
Protective plate, glass



Light distribution files

SEOUL SEMICONDUCTOR

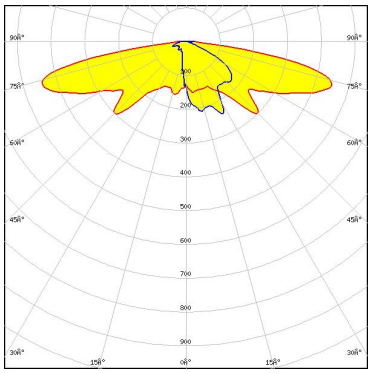
LED	Z8Y19
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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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