STRADELLA-8-HV-CY

Beam for canopy lighting with batwing light distribution. Suitable for symmetrical tunnel lighting. Variant with improved creepage distance for high voltage circuit designs.

SPECIFICATION:

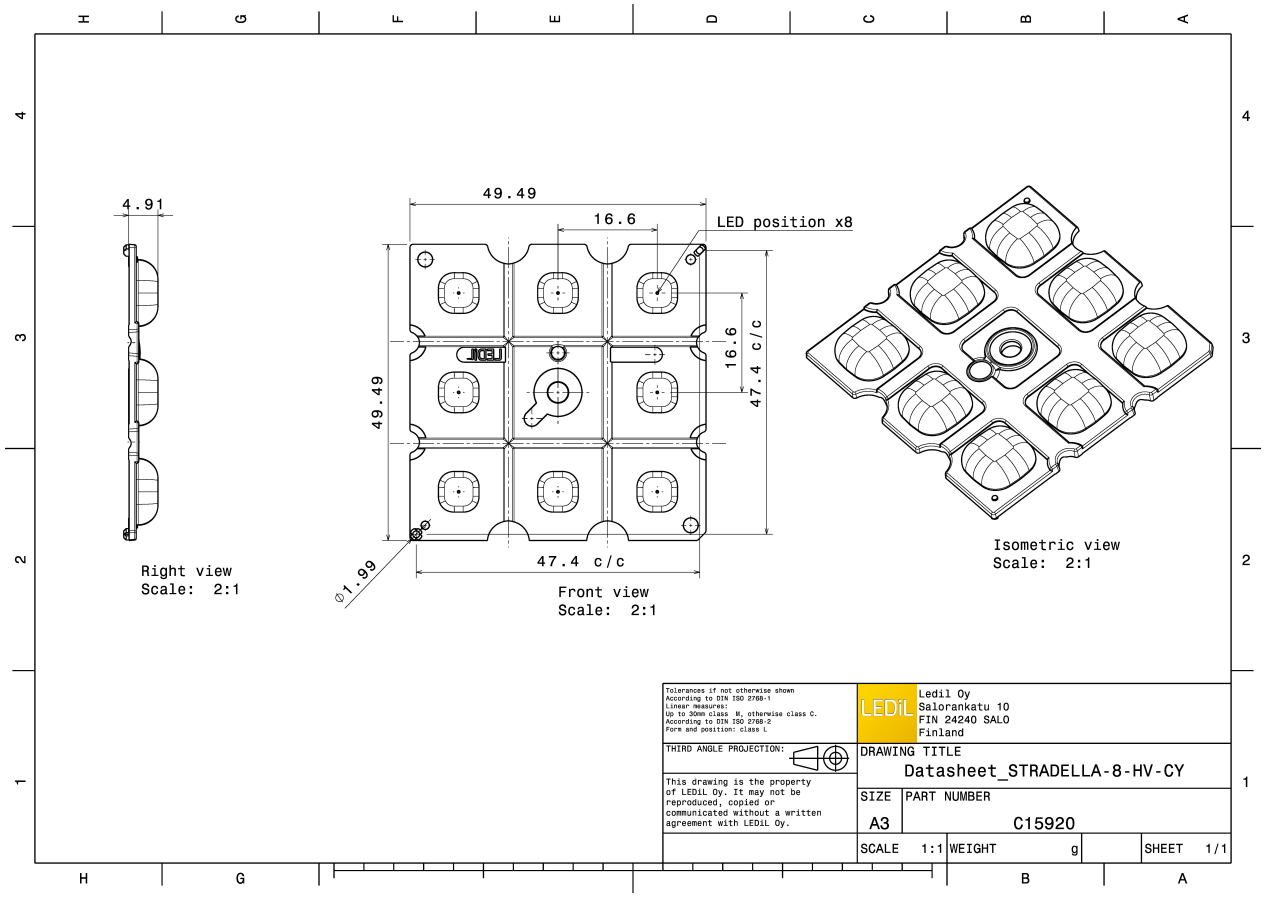
Dimensions	49.5 x 49.5 mm
Height	4.9 mm
Fastening	screw
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length
STRADELLA-8-HV-CY	Multi-lens	PMMA	clear		49.5

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15920_STRADELLA-8-HV-CY » Box size: 480 x 280 x 300 mm	800	160	160	4.8

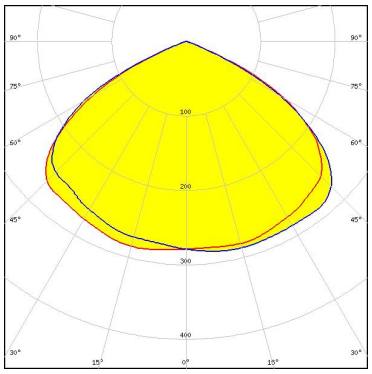


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

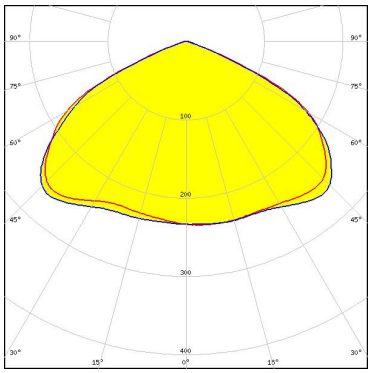
LED	J Series 3030
FWHM / FWTM	121.0° / 136.0°
Efficiency	98 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

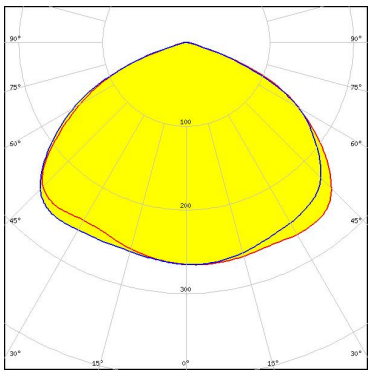
LED	XD16
FWHM / FWTM	129.0° / 142.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	125.0 + 126.0° / 146.0°
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

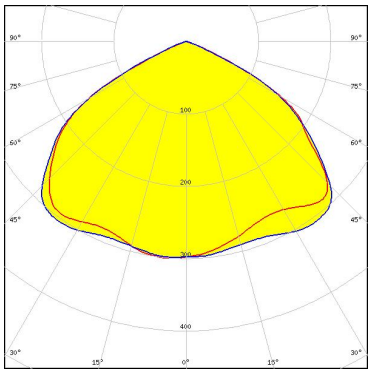


Light distribution files

OPTICAL RESULTS (MEASURED):

LUMILEDS

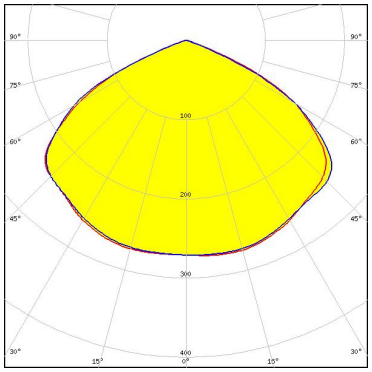
LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	120.0° / 135.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

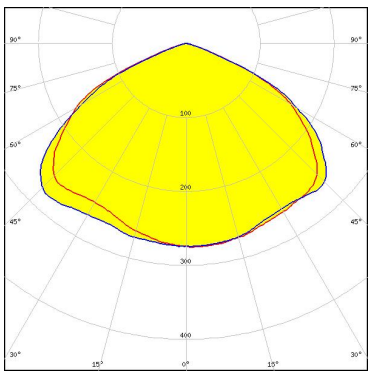
LED	LUXEON V2
FWHM / FWTM	124.0° / 140.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

LED	SST-10-B130
FWHM / FWTM	126.0° / 144.0°
Efficiency	97 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	Deep Red
Required components:	

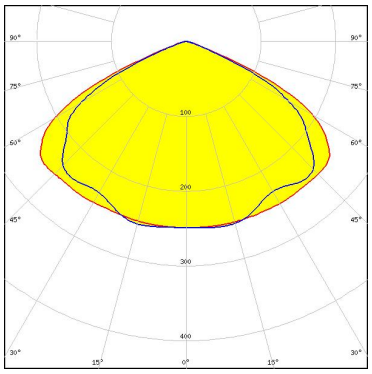


Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

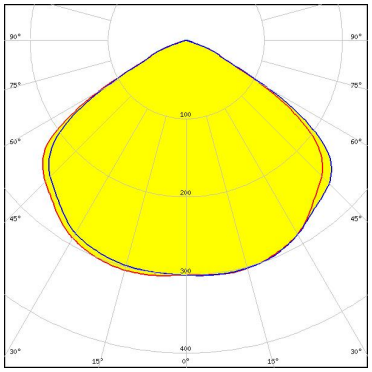
LED	NF2W585AR
FWHM / FWTM	130.0° / 143.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

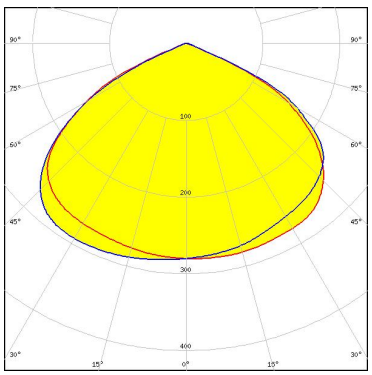
LED	NVSW219D
FWHM / FWTM	116.0° / 140.0 + 139.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSW319B
FWHM / FWTM	122.0° / 136.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

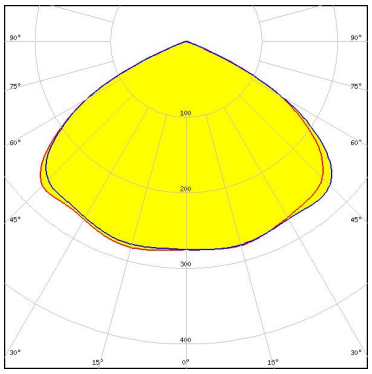


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

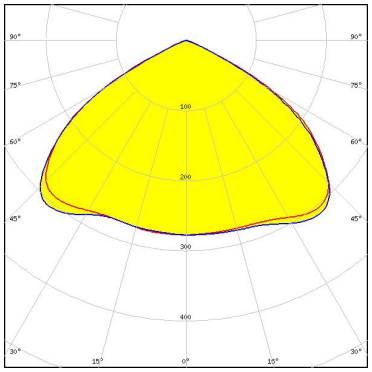
LED	OSCONIQ S 3030 (QSLR31)
FWHM / FWTM	121.0° / 136.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

PHILIPS

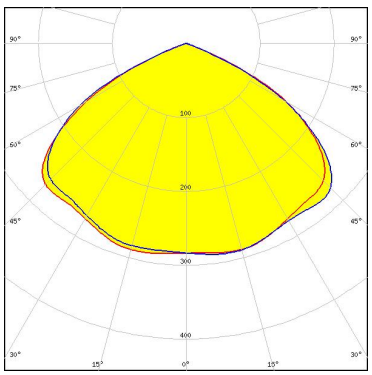
LED	Fortimo FastFlex LED 4x8up PR G5
FWHM / FWTM	120.0° / 134.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030C
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

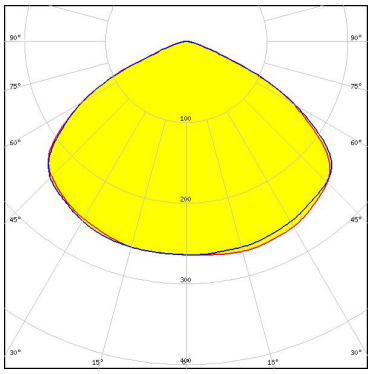


Light distribution files

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

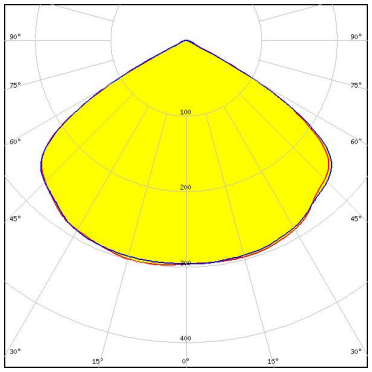
LED	Z5M3
FWHM / FWTM	124.0° / 144.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	117.0° / 127.0°
Efficiency	98 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



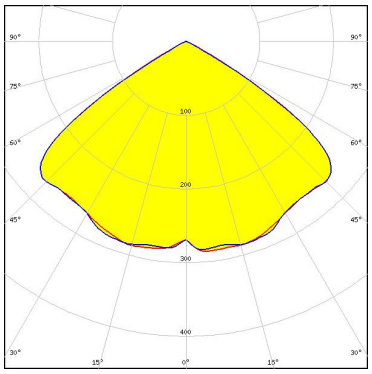
Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

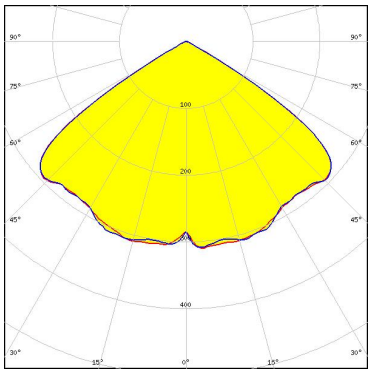
LED	XP-G4
FWHM / FWTM	114.0° / 124.0°
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass



CREE LEDs

LED	XP-G4
FWHM / FWTM	114.0° / 122.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



CREE LEDs

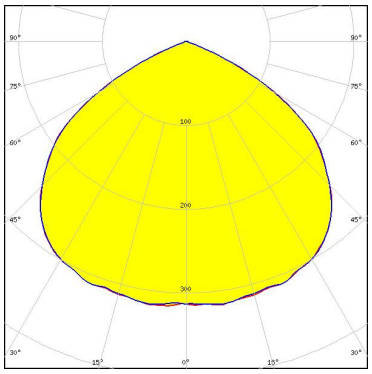
LED	XP-G4 HI
FWHM / FWTM	124.0° / 140.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

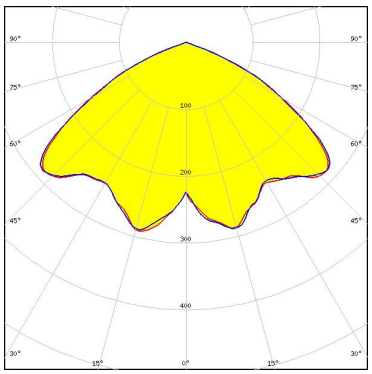
LED	LUXEON 5050 Square LES
FWHM / FWTM	114.0° / 136.0°
Efficiency	96 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

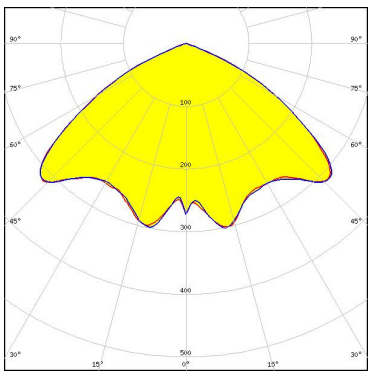
LED	LUXEON CZ
FWHM / FWTM	123.0° / 140.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	120.0° / 138.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	

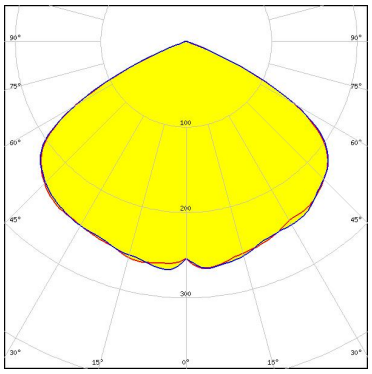


OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NVSW519A
FWHM / FWTM	122.0° / 136.0°
Efficiency	89 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

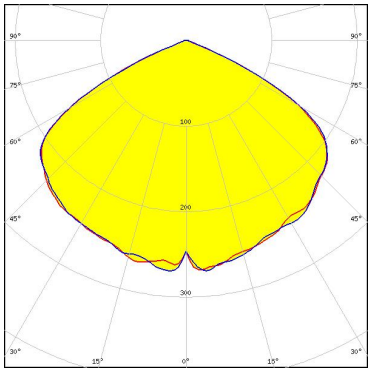
Protective plate, glass



Light distribution files

NICHIA

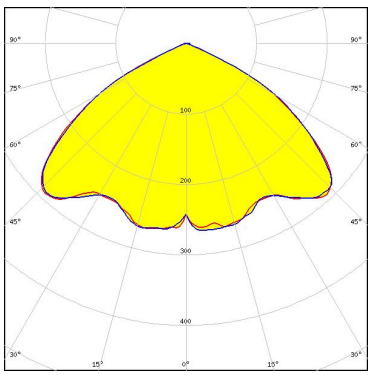
LED	NVSW519A
FWHM / FWTM	123.0° / 136.0°
Efficiency	92 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSxE21A
FWHM / FWTM	120.0° / 133.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

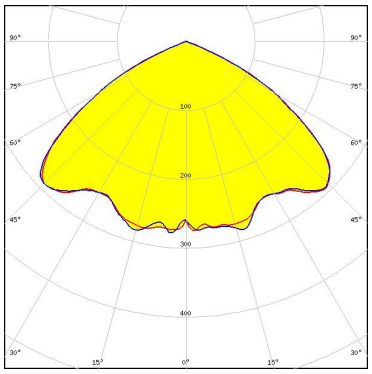


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

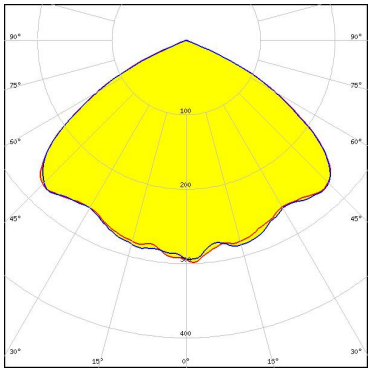
LED	OSCONIQ C 2424
FWHM / FWTM	120.0° / 136.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

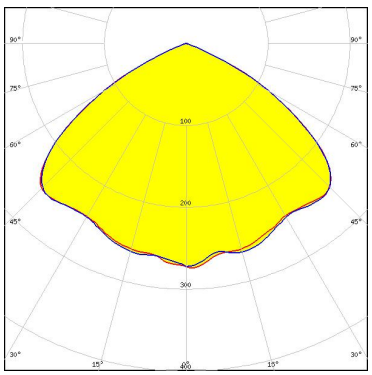
OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	118.0° / 135.0 + 136.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	116.0° / 134.0°
Efficiency	87 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

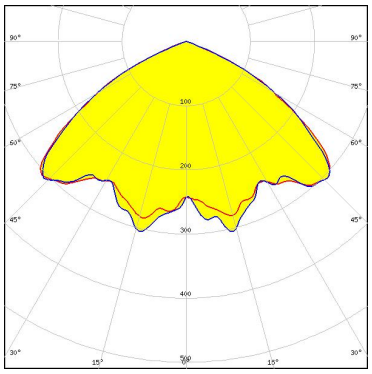


Protective plate, glass

OPTICAL RESULTS (SIMULATED):

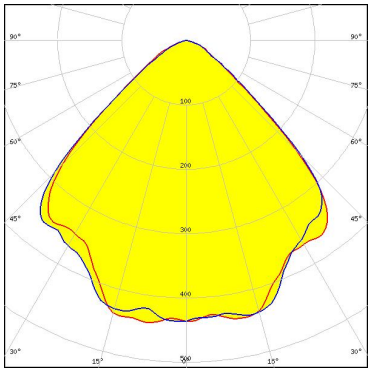
OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	121.0 + 120.0° / 136.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



OSRAM
Opto Semiconductors

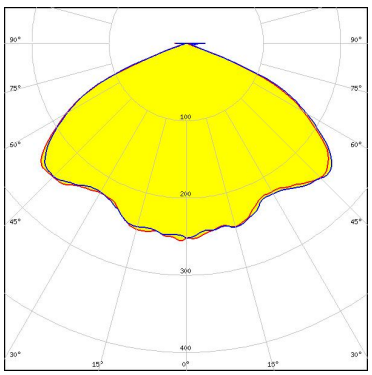
LED	SFH 4715AS
FWHM / FWTM	93.0° / 124.0°
Efficiency	96 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	IR
Required components:	



Light distribution files

SAMSUNG

LED	LH181A
FWHM / FWTM	130.0° / 138.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

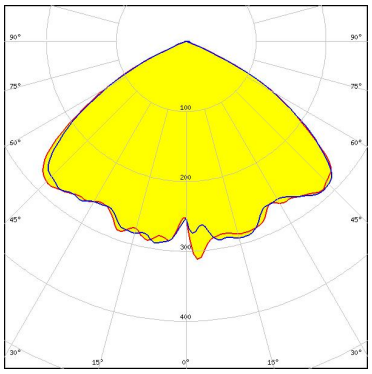


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

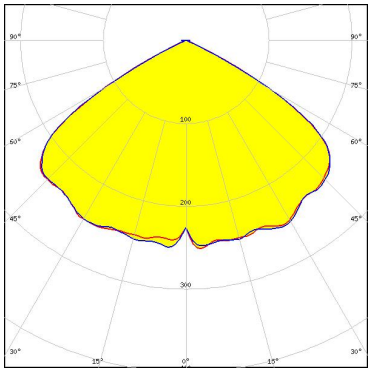
LED	LH181B
FWHM / FWTM	128.0° / 132.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351C
FWHM / FWTM	118.0° / 130.0°
Efficiency	85 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

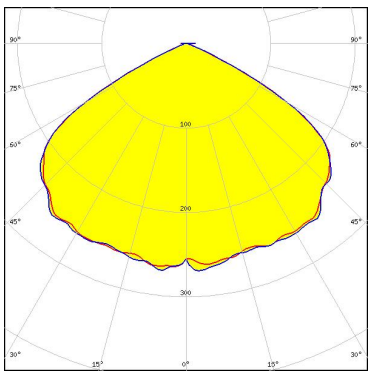


Protective plate, glass

Light distribution files

SAMSUNG

LED	LH351D
FWHM / FWTM	120.0° / 134.0°
Efficiency	91 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

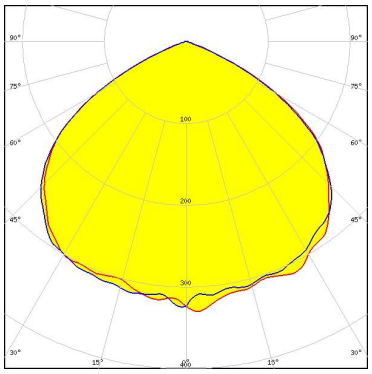


Light distribution files

OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

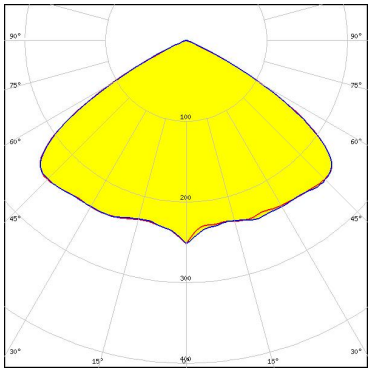
LED	SEOUL DC 5050 6V
FWHM / FWTM	113.0° / 136.0°
Efficiency	94 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

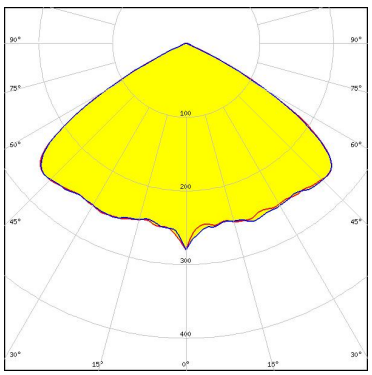
LED	Z5M5
FWHM / FWTM	118.0° / 130.0 + 131.0°
Efficiency	86 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Protective plate, glass

SEOUL SEMICONDUCTOR

LED	Z5M5
FWHM / FWTM	118.0° / 130.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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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