

### STRADA-2X2-ME-WIDE2

Beam with excellent longitudinal luminance uniformity for staggered pole setups fulfilling EN13201 M-class requirements where road width is equal to or less than the pole height

#### **SPECIFICATION:**

Dimensions	50.0 x 50.0
Height	7 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



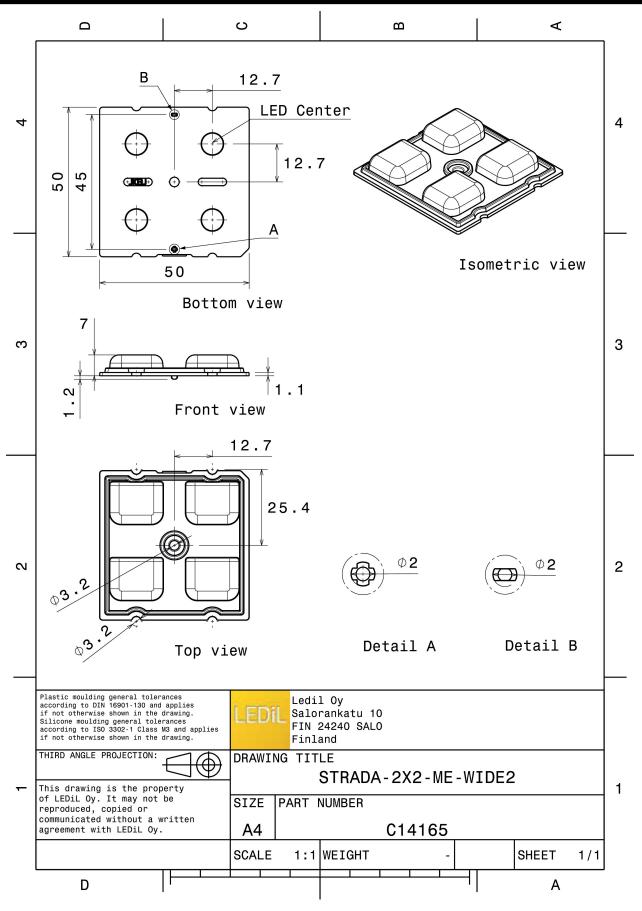
#### **MATERIALS:**

Component	Туре	Material	Colour	Finish	Length (mm)
STRADA-2X2-ME-WIDE2	Multi-lens	PMMA	clear		

#### **ORDERING INFORMATION:**

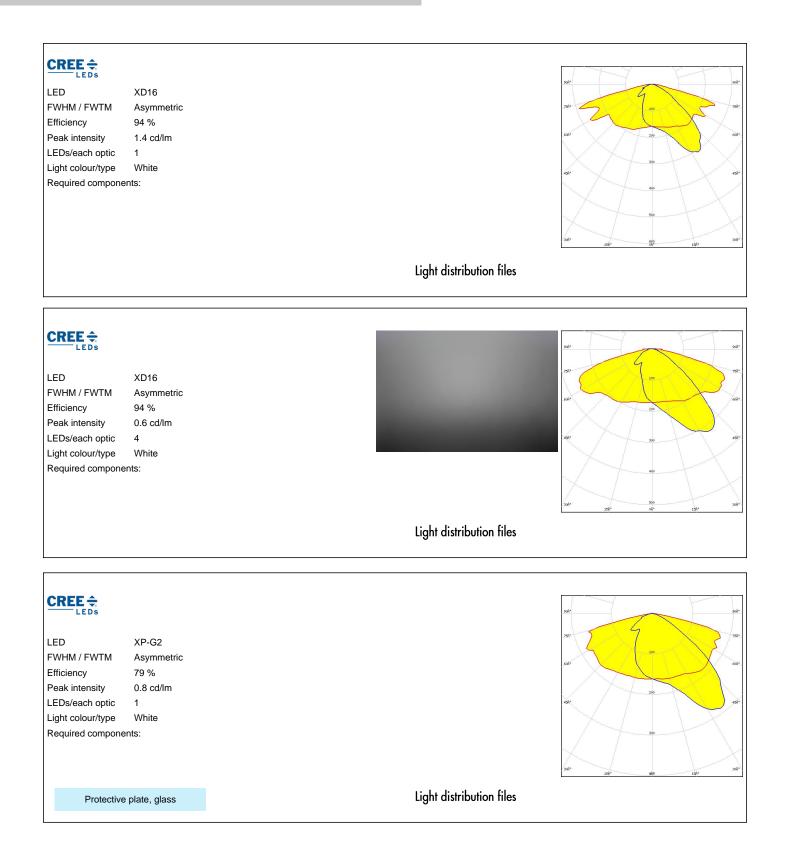
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14165_STRADA-2X2-ME-WIDE2	800	160	160	7.6
» Box size: 480 x 280 x 300 mm				



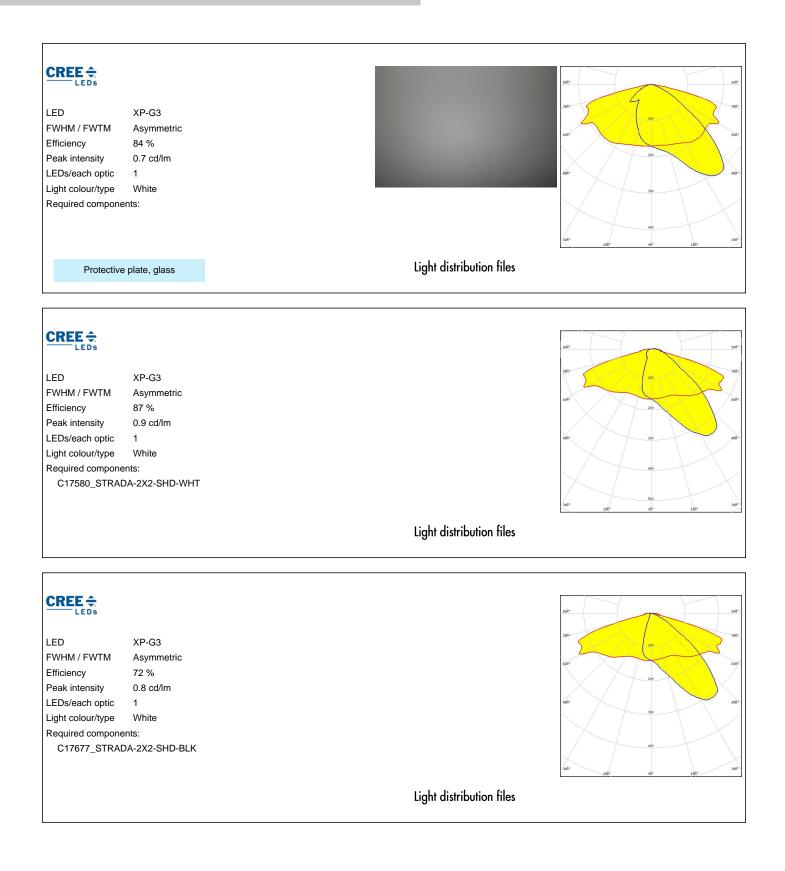


See also our general installation guide: www.ledil.com/installation\_guide

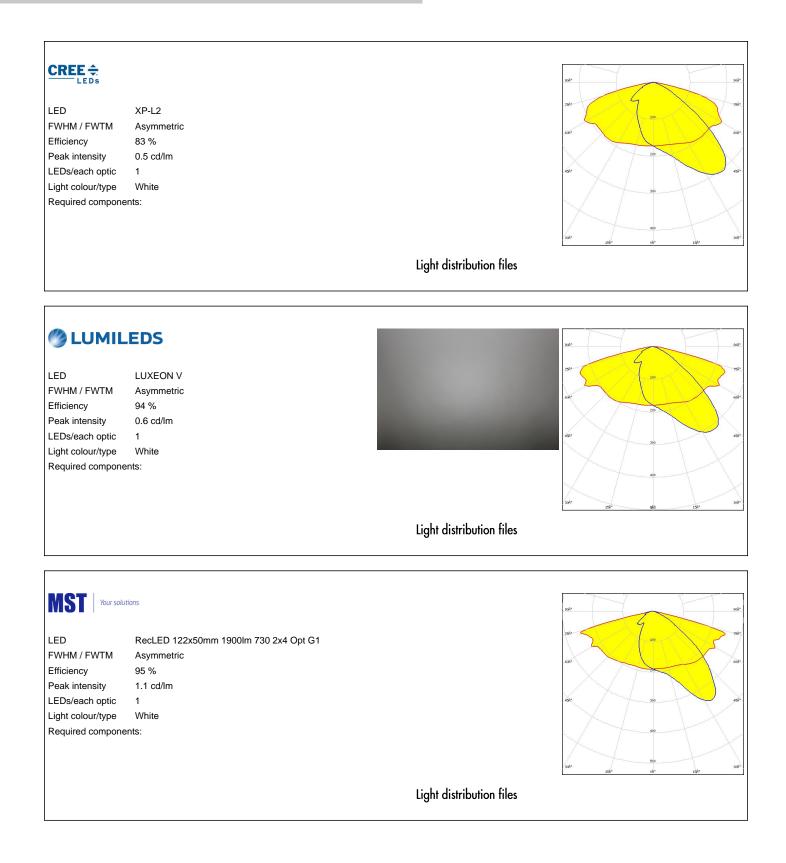












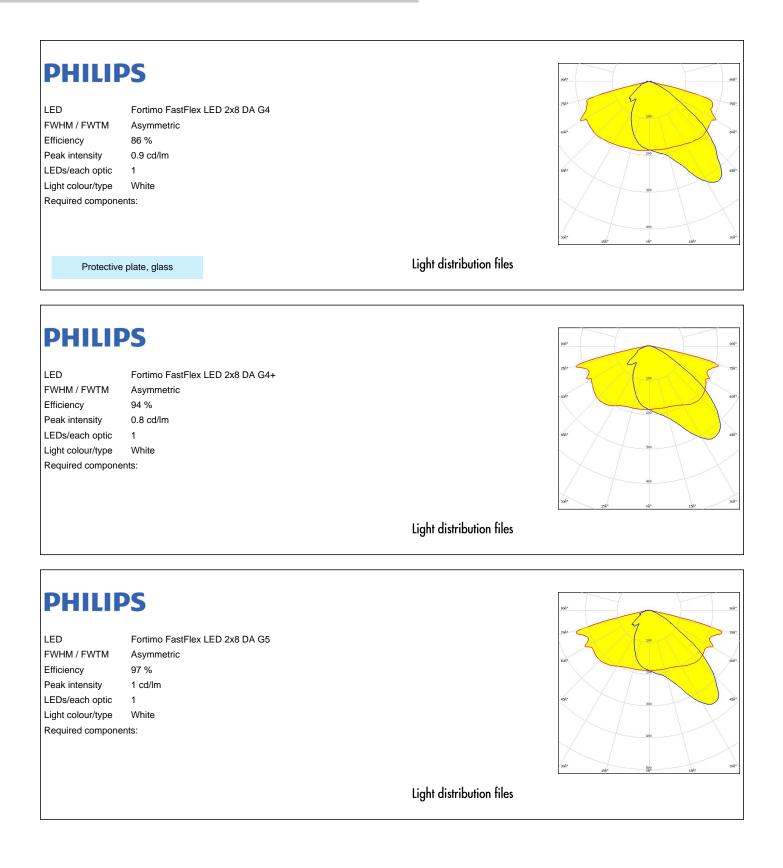


### **OPTICAL RESULTS (MEASURED):**

#### **ΜΝΙCΗΙΛ** LED NVSW219F Asymmetric FWHM / FWTM Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **Μ**ΝΙCΗΙΛ LED NVSW319B FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **MNICHIA** LED NVSW3x9A FWHM / FWTM Asymmetric Efficiency 85 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



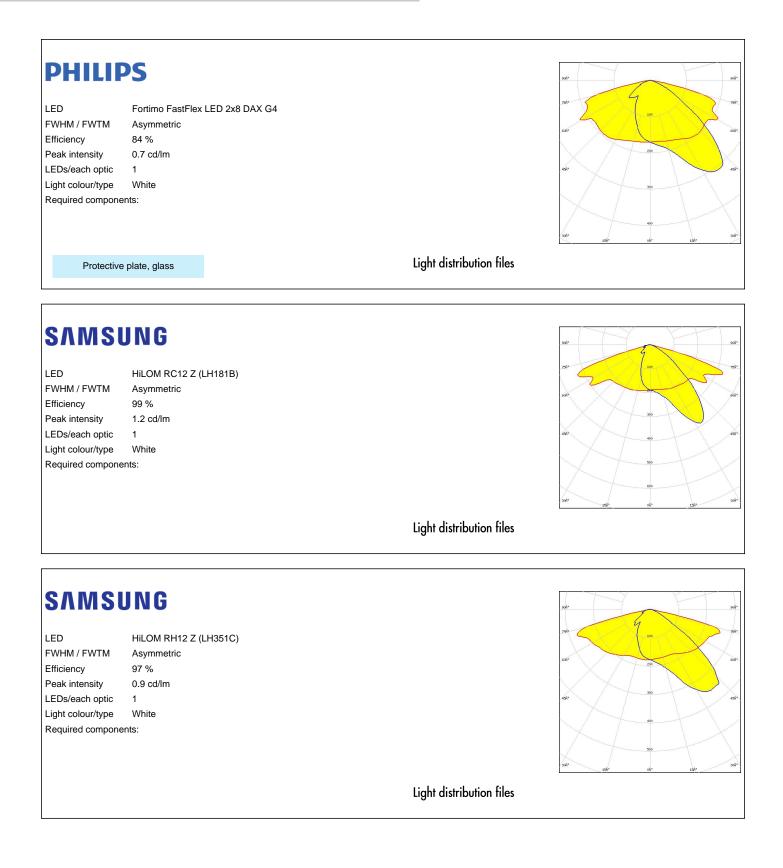
### **OPTICAL RESULTS (MEASURED):**



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### **OPTICAL RESULTS (MEASURED):**



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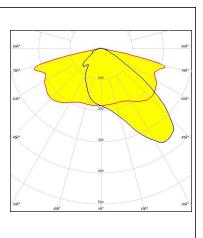


### **OPTICAL RESULTS (MEASURED):**

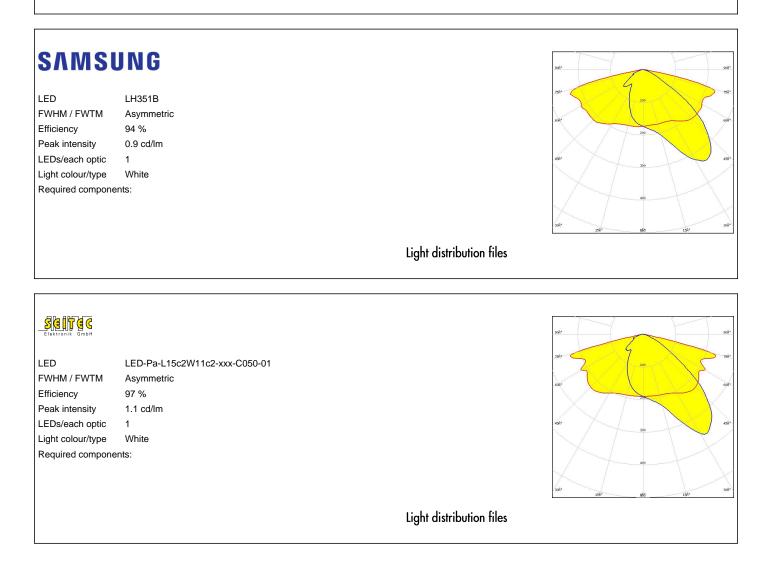
# SAMSUNG

LEDHiLCFWHM / FWTMAsyrEfficiency94 %Peak intensity0.8 %LEDs/each optic1Light colour/typeWhitRequired components:

HiLOM RH16 (LH351C) Asymmetric 94 % 0.8 cd/lm 1 White ents:



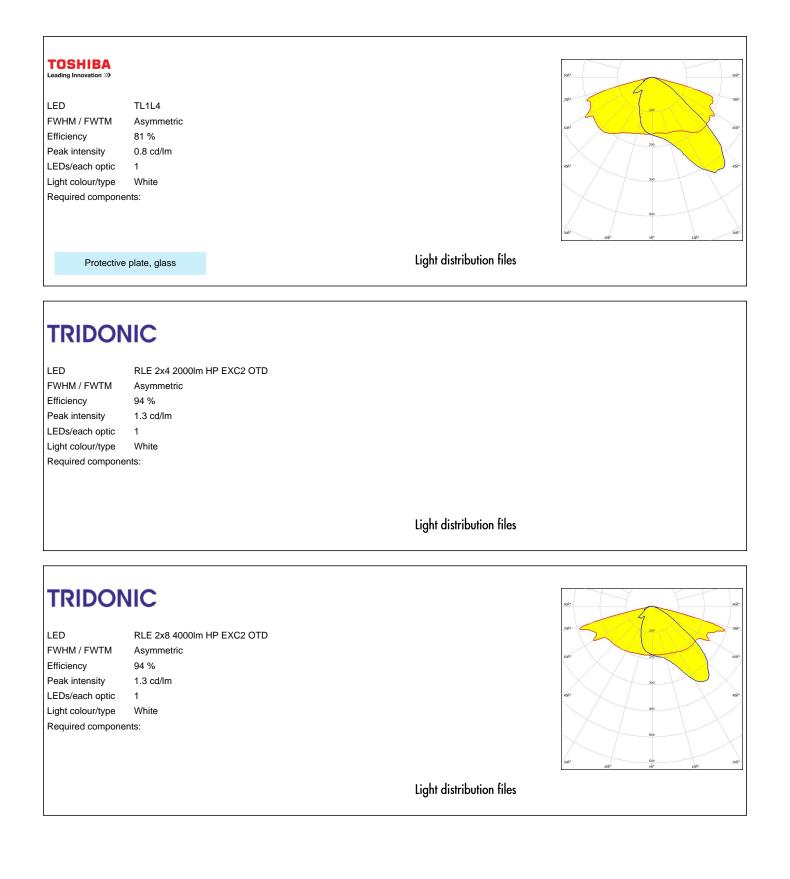
Light distribution files





SEOUL		
SEOUL SEMICONDUCTOR		102
LED	Z5M3	754 210
FWHM / FWTM	Asymmetric	
Efficiency	94 %	6WY
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	424- 200
Light colour/type	White	
Required compone	nts:	40
		500 150 <sup>0</sup> 150° 60° 150°
		Light distribution files
SEOUL		2004
		5
LED	Z5M4	
FWHM / FWTM	Asymmetric	566
Efficiency	97 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour/type	White	40
Required compone	nts:	56
		508* 158* <u>664</u> 158*
		Light distribution files
SEOL		
SEOUL SEMICONDUCTOR		204
	70/00	750
LED FWHM / FWTM	Z8Y22	
FWHM / FWTM Efficiency	Asymmetric 94 %	sole
Peak intensity	94 % 0.9 cd/lm	
LEDs/each optic	1	-50
	White	
		40
Light colour/type		
		500
Light colour/type		500 500 <sup>10</sup> - 150 <sup>10</sup> - 150 <sup>10</sup>





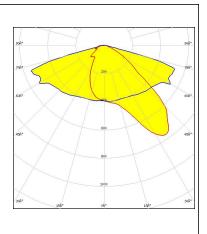


### **OPTICAL RESULTS (MEASURED):**

# TRIDONIC

LED	R
FWHM / FWTM	A
Efficiency	9
Peak intensity	1
LEDs/each optic	1
Light colour/type	۷
Required componer	nts

RLE G1 49x121mm 2000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm 1 White



Light distribution files

#### TRIDONIC LED RLE G1 49x133mm 2000lm xxx EXC OTD FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files TRIDONIC LED RLE G1 49x223mm 4000lm xxx EXC OTD FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



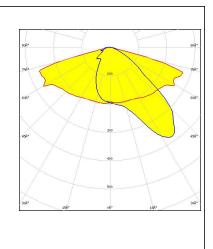
# TRIDONIC

LED FWHM / FWTM Efficiency Peak intensity

LEDs/each optic

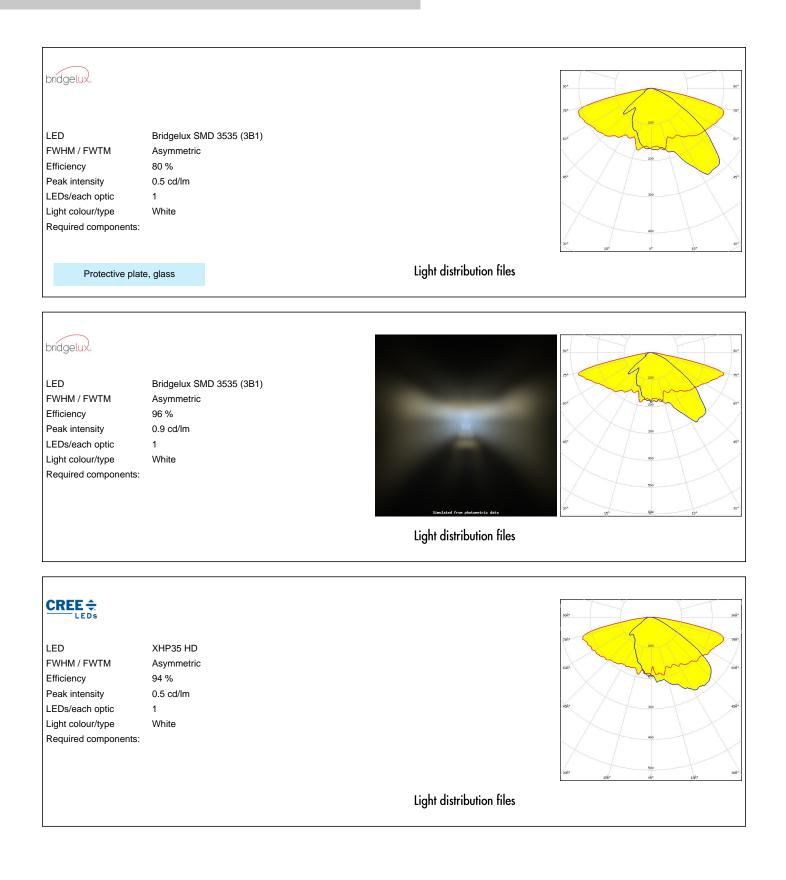
Light colour/type

RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.3 cd/lm 1 White Required components:

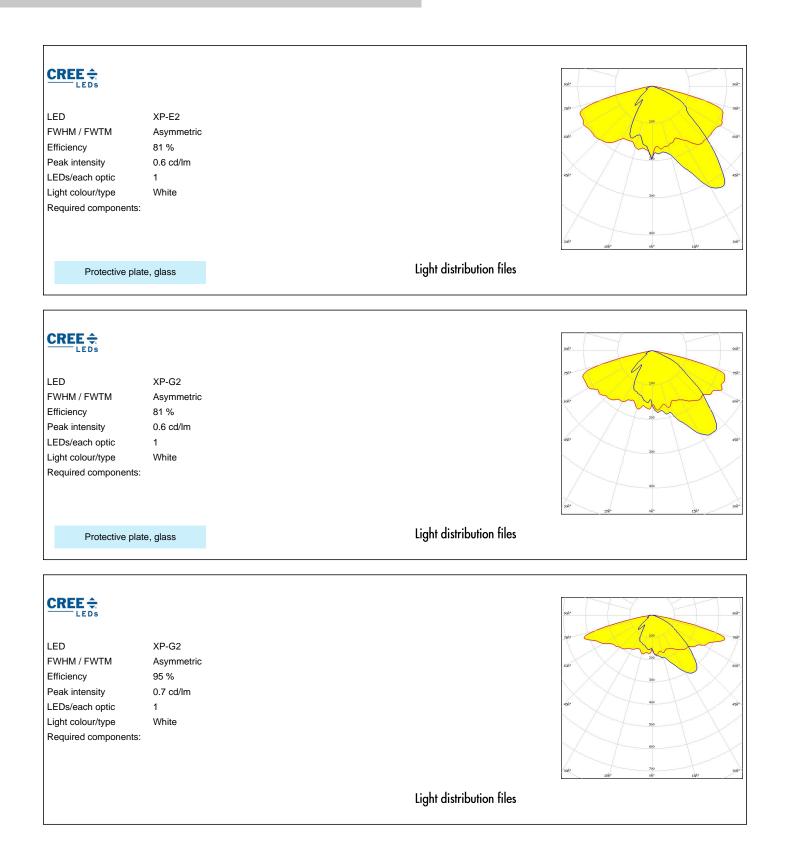


Light distribution files

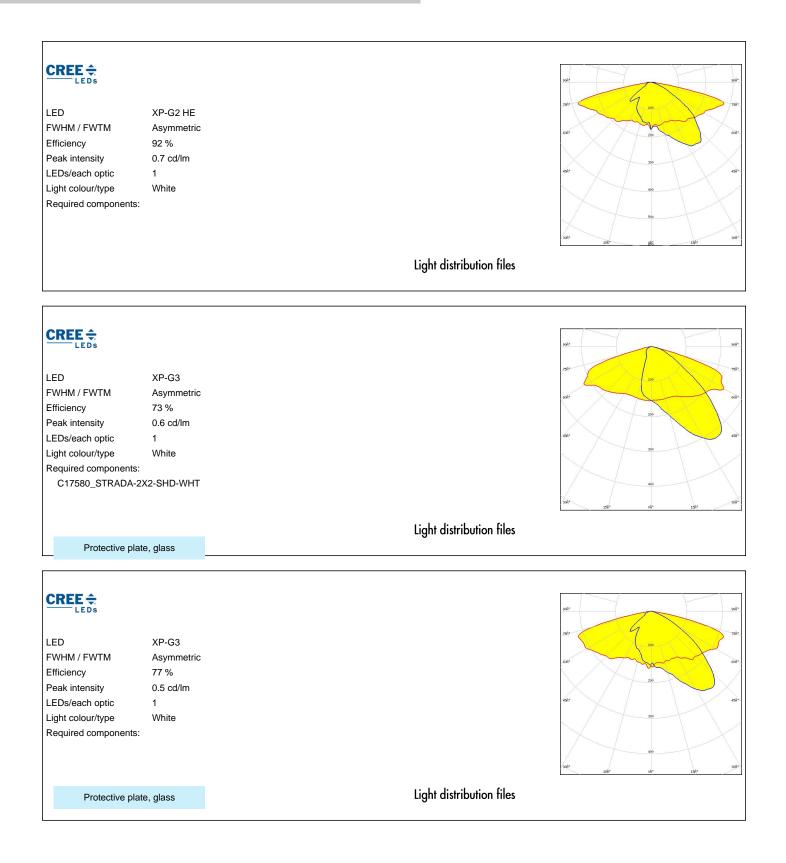




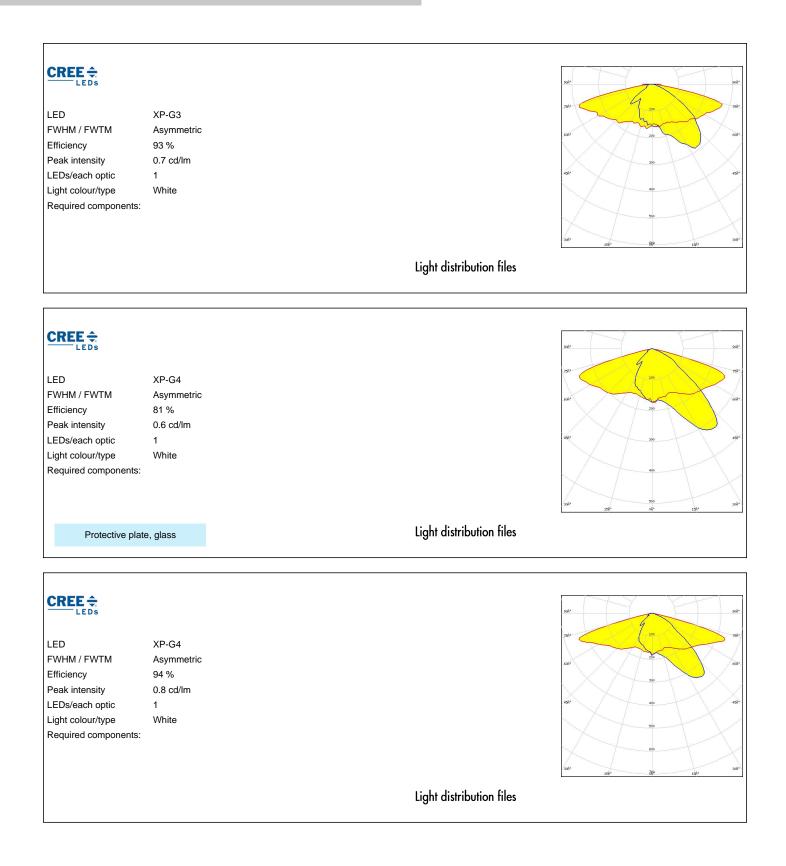




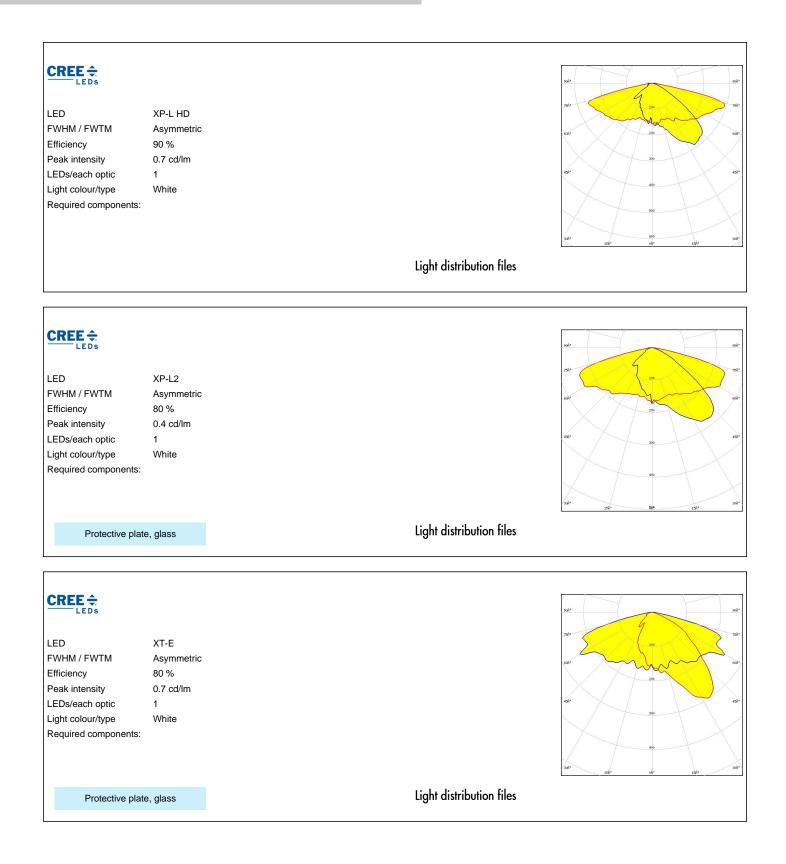












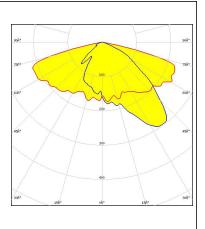


### **OPTICAL RESULTS (SIMULATED):**

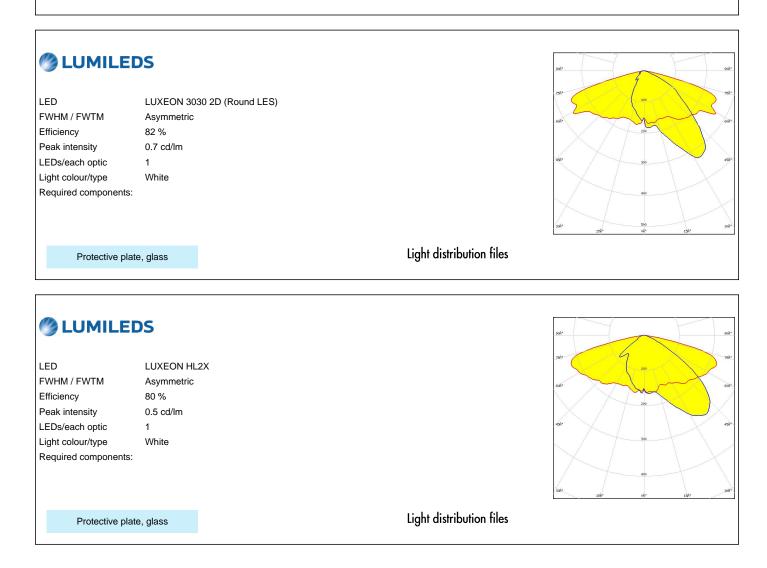
## inventronics

LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour/type
Required components:

PrevaLED Brick HP 2x8 Asymmetric 92 % 0.9 cd/lm 1 White



Light distribution files

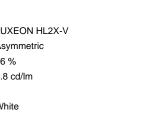


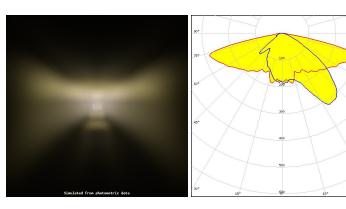


### **OPTICAL RESULTS (SIMULATED):**

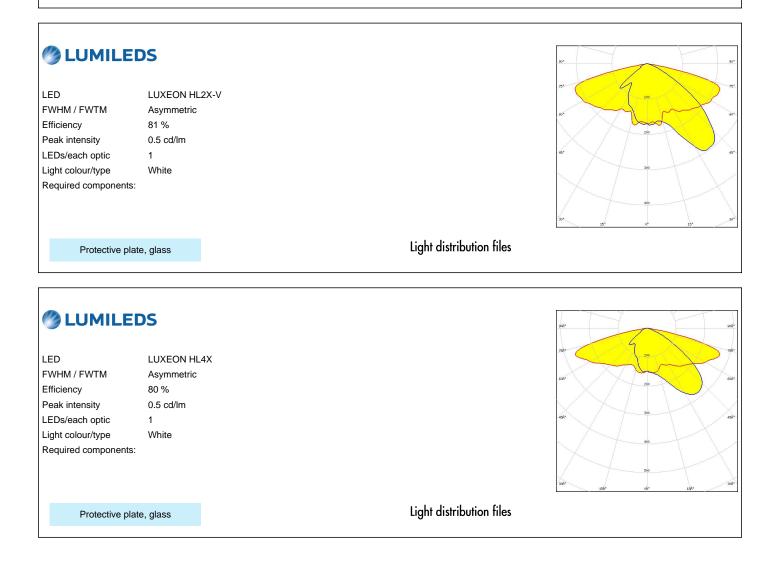
## UMILEDS

LED	LUXEON
FWHM / FWTM	Asymmet
Efficiency	96 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

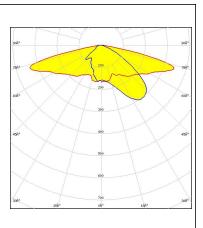




### **OPTICAL RESULTS (SIMULATED):**

## UMILEDS

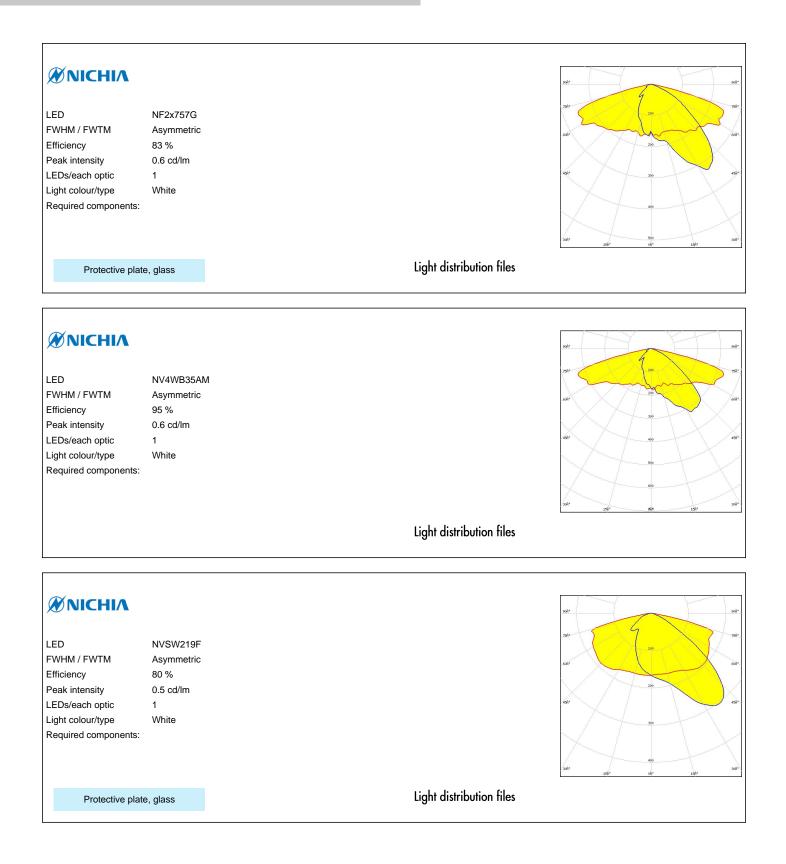
LED	LUXEON HL4X
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



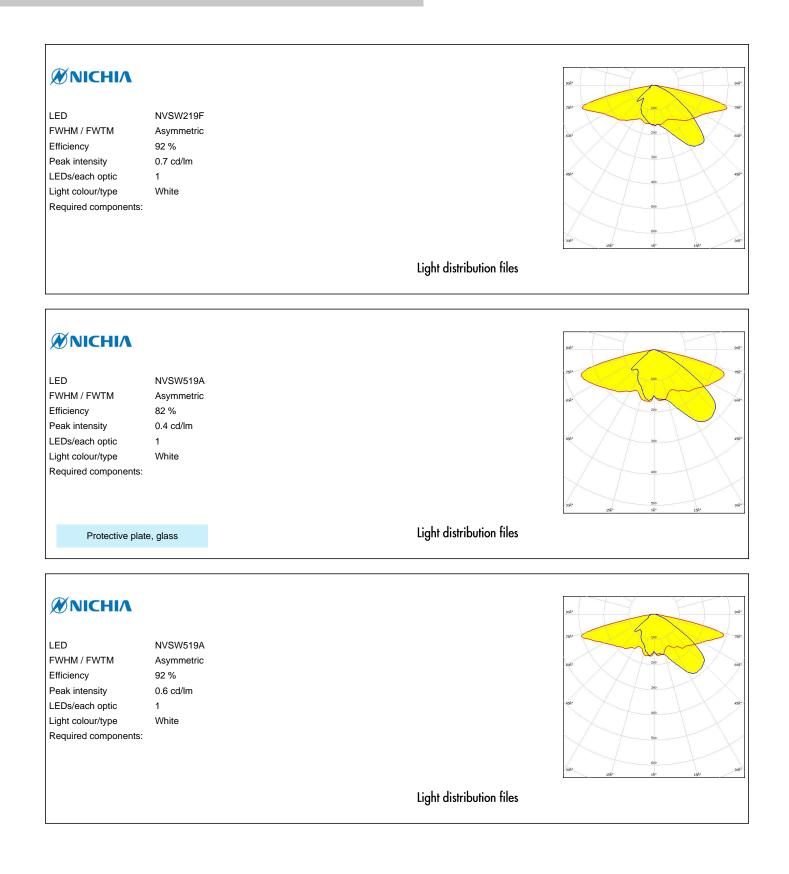
Light distribution files

#### LUMILEDS LUXEON XR-HL2X (L2H2-xxxxxxMLU010) I FD FWHM / FWTM Asymmetric Efficiency 96 % 0.7 cd/lm Peak intensity LEDs/each optic 1 Light colour/type White Required components: Light distribution files LUXEON XR-HL2X (L2H2-xxxxxxMLU010) LED FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Protective plate, glass

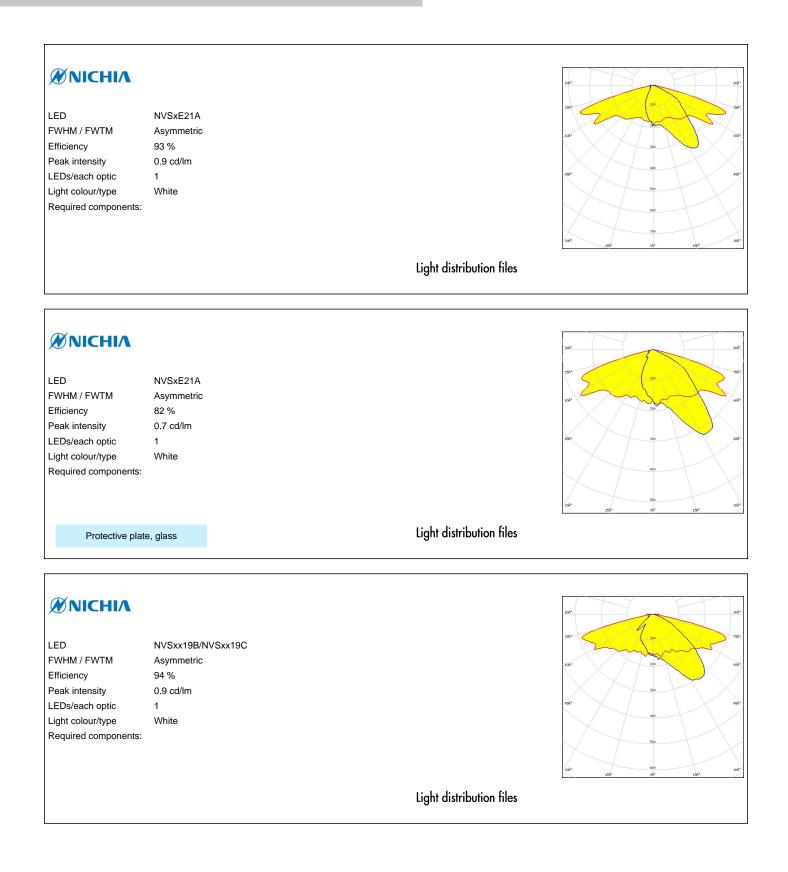




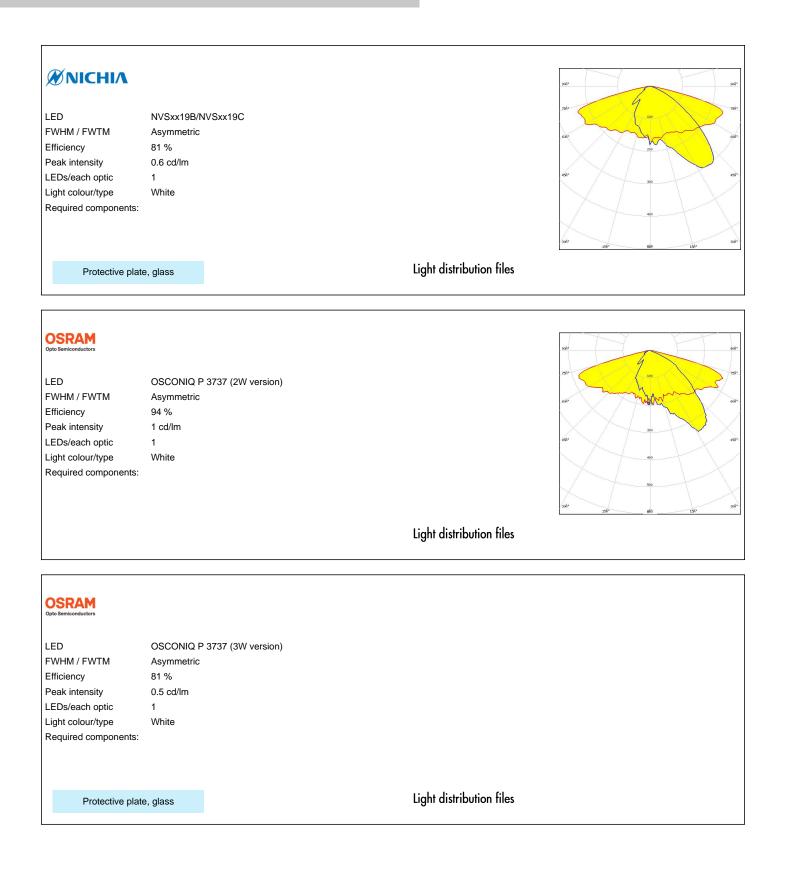








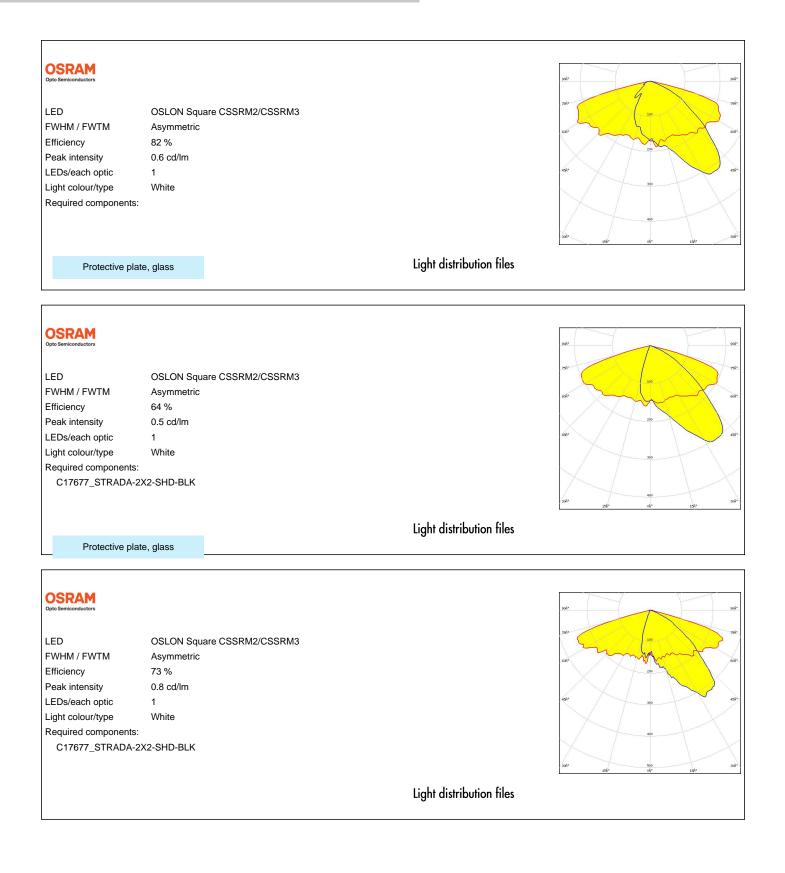






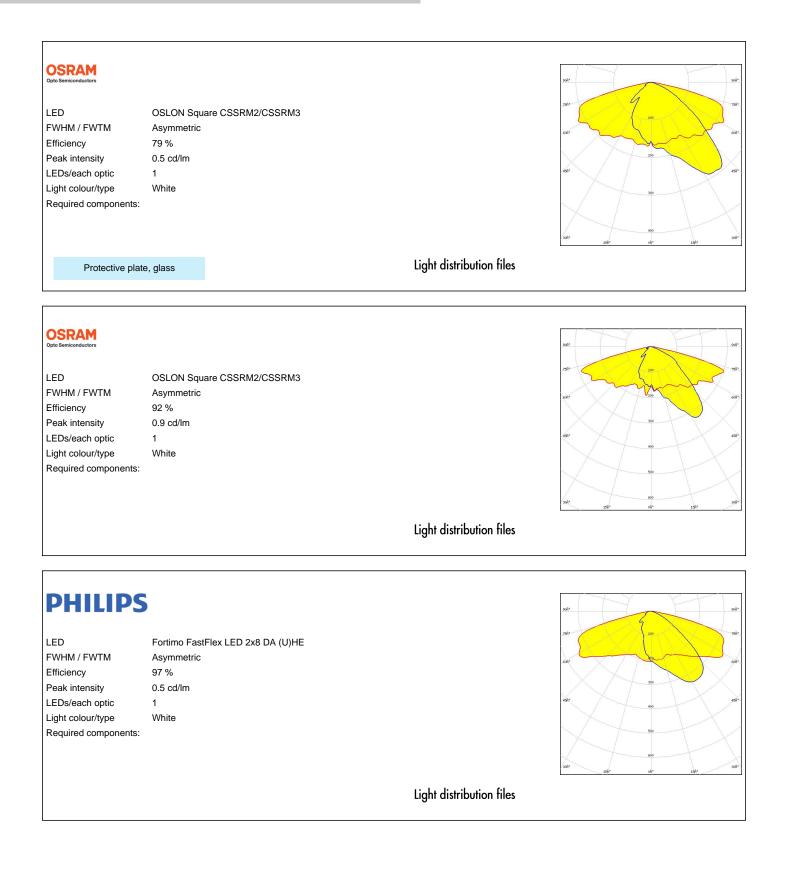
#### OSRAM Opto Semiconductore I FD OSCONIQ P 3737 (3W version) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files OSRAM Opto Semiconductore OSLON Square CSSRM2/CSSRM3 I FD FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour/type White Required components: C17580\_STRADA-2X2-SHD-WHT Light distribution files OSRAM Op OSLON Square CSSRM2/CSSRM3 LED FWHM / FWTM Asymmetric 69 % Efficiency Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: C17580\_STRADA-2X2-SHD-WHT Light distribution files Protective plate, glass



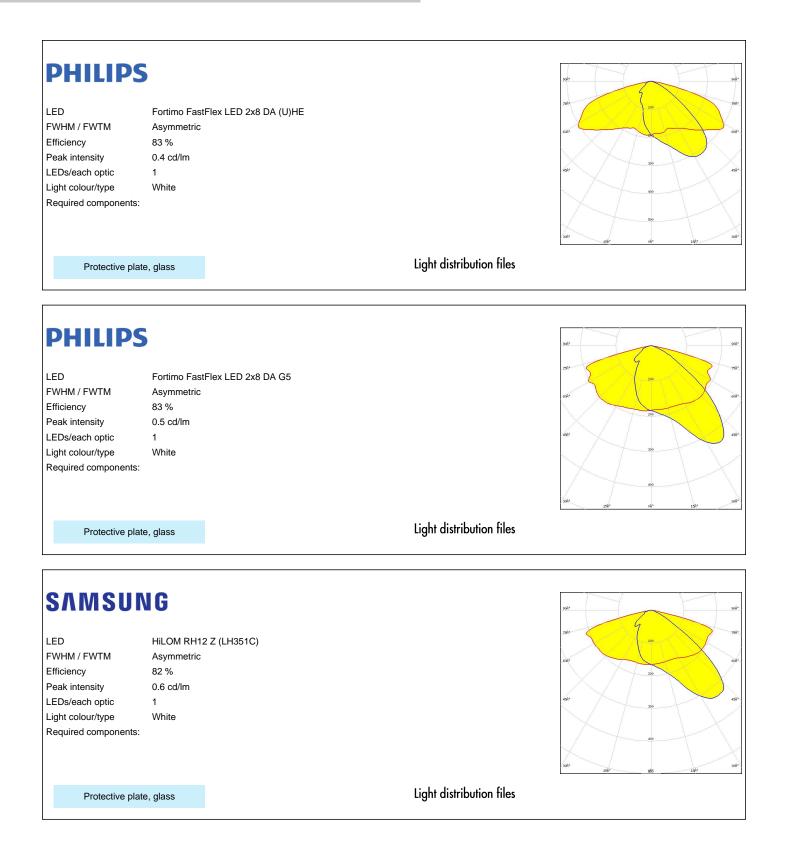


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### **OPTICAL RESULTS (SIMULATED):**

#### SAMSUNG I FD LH231B FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files SAMSUNG LH351C I FD FWHM / FWTM Asymmetric Efficiency 64 % 0.5 cd/lm Peak intensity LEDs/each optic 1 Light colour/type White Required components: C17677\_STRADA-2X2-SHD-BLK Light distribution files Protective plate, glass SAMSUNG LH351C LED FWHM / FWTM Asymmetric Efficiency 71 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: C17580\_STRADA-2X2-SHD-WHT Light distribution files Protective plate, glass

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SAMSUN	G	yult yult
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LH351D Asymmetric 75 % 0.4 cd/lm 1 White	
Protective plate	glass	Light distribution files
SEOUL SEMICONDUCTOR		The star
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Z5M3 Asymmetric 80 % 0.5 cd/lm 1	
Light colour/type Required components:	White	
Protective plate	, glass	Light distribution files
SEQUE		90
LED FWHM / FWTM Efficiency Peak intensity	Z5M3-E1 Asymmetric 83 % 0.5 cd/lm	
LEDs/each optic Light colour/type Required components:	1 White	
Protective plate	, glass	Light distribution files



### **OPTICAL RESULTS (SIMULATED):**

SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z5M3-E1 Asymmetric 97 % 0.8 cd/lm 1 White	Sincled Free pleasercite data
SEOUL SEMICONDUCTOR		-560
LED	Z5M4	75%
EUD FWHM / FWTM	Asymmetric	
Efficiency	83 %	500*
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	40 <sup>1</sup> 30
Light colour/type	White	
Required components:		40
		200 <sup>10</sup> 200 <sup>10</sup> 200 <sup>10</sup> 200 <sup>10</sup> 200 <sup>10</sup>
Protective plate	e, glass	Light distribution files
SEOUL SEMICONDUCTOR		97
LED	Z5M4-E1	75'
FWHM / FWTM	Asymmetric	
Efficiency	82 %	20
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	45°
Light colour/type	White	
Required components:		
		201
Protective plate	a alass	Light distribution files
Protective plate	e, glass	

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LED $25M4$ / FWTM Asymmetric Efficiency $97\%$ Pack intensity 0.8 cd/m LED Steach optice 1 ipt colour/type White Required components: LED $25M4$ - E2 WHM / FWTM Asymmetric Efficiency $97\%$ Pack intensity 0.7 cd/m LED 25M4 - E2 WHM / FWTM Asymmetric Efficiency $97\%$ Pack intensity 0.7 cd/m LED betach optice 1 Light colour/type White Required components: Hight colour/type White Required components: Hight colour/type White Required components: Hight colour/type Mine Required components: Hight colour/type Mine Hight colour/type Mine High			
LED ZM4-E1   WHM / FWT Asymmetric   Efficiency 97 %   Peak intensity 0.8 cd/m   LeD toolour/pe White   Required components: Using to distribution files   Light distribution files	SEOUL SEMICONDUCTOR		6
Efficiency 97% Peak intensity 0.0 codim Light colour/type While Required components:	LED	Z5M4-E1	
Peak intensity 0.8 adm LEDoiseach optic 1 Required components:	FWHM / FWTM	Asymmetric	
LEDGrand polic 1 Light distribution files LEDG Z5M4-E2 WM / FVTM Asymmetric ElDGrand polic 1 LEDGrand polic 1 LEDG	Efficiency	97 %	
Light clour/ype White Required components:	Peak intensity	0.8 cd/lm	
Required components: Light distribution files Light distribution files Light distribution files Light distribution files Light colour/bype white Required components: LED ZSM4-E2 WHM / FVTTM Asymmetric Required components: LED ZSM4-E2 WHM / FVTTM Asymmetric ED ZSM4-E2 PVHM / FVTTM Asymmetric Efficiency 22 % Peak Intensity 0.5 colim LED ZSM4-E2 PVHM / FVTTM Asymmetric Efficiency 22 % Peak Intensity 0.5 colim LED ZSM4-E2 PVHM / FVTTM Asymmetric Efficiency 22 % Peak Intensity 0.5 colim LED ZSM4-E2 PVHM / FVTTM Asymmetric Efficiency 22 % Peak Intensity 0.5 colim LED ZSM4-E2 PVHM / FVTTM Asymmetric Efficiency 22 % Peak Intensity 0.5 colim LED ZSM4-E2 PVHM / FVTTM Asymmetric Efficiency 25 % Peak Intensity 0.5 colim	LEDs/each optic	1	67
Leve and the field distribution file Field	Light colour/type	White	40
Light distribution files     Second     LED   Z5M4-E2     EWHM / FVTM   Asymmetric     Efficiency   97 %     Peak Intensity   0.7 colm     Light distribution files   Image: Components:     Example   Image: Components:     Example   Components:     Example   Components:     Example   Components:     Example   Components:	Required components:		
Light distribution files     Second     LED   Z5M4-E2     EWHM / FVTM   Asymmetric     Efficiency   97 %     Peak Intensity   0.7 colm     Light distribution files   Image: Components:     Example   Image: Components:     Example   Components:     Example   Components:     Example   Components:     Example   Components:			30
Image: Second			Simulated from photometric data
was susceeded LED Z5M4-E2 FW/H//FWTM Asymmetric Efficiency 97 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour/bpe White Required components: LED Z5M4-E2 FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour/bpe White Required components:			Light distribution files
was susceeded LED Z5M4-E2 FW/H//FWTM Asymmetric Efficiency 97 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour/bpe White Required components: LED Z5M4-E2 FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour/bpe White Required components:	SEOU		
EWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 0.7 col/m LEDb/each optic 1 Light colour/type White Required components: LED Keach optic 1 LED Keach o	SEOUL SEMICONDUCTOR		50*
EWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 0.7 col/m LEDb/each optic 1 Light colour/type White Required components: LED Keach optic 1 LED Keach o			78- 7
Efficiency 97 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: LED Z5M4-E2 Efficiency 82 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:	LED		
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: LED Z5M4-E2 FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:			SI-
LEDs/each optic 1 Light colour/type White Required components: LED Z5M4-E2 EWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.5 col/m LEDs/each optic 1 Light colour/type White Required components:			
Light colour/type White Required components: LED Z5M4-E2 EVHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:			57
Required components: Leght distribution files LED Z5M4-E2 EVHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour/type White Required components:			40
Let the return of the second s		White	
Light distribution files	····		50
KOULS SMICONDUCTOR     LED   Z5M4-E2     FWHM / FWTM   Asymmetric     Efficiency   82 %     Peak intensity   0.5 cd/lm     LEDs/each optic   1     Light colour/type   White     Required components:   Note that the second se			Similated from photometric data
REQUISEMENDATIONS LED Z5M4-E2 FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:			Light distribution files
REQUISEMENDATIONS LED Z5M4-E2 FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:	BERL		
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:	SEOUL SEMICONDUCTOR		90*
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:			70 4
Efficiency 82 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:			
Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:			
LEDs/each optic 1 Light colour/type White Required components:			
Light colour/type White Required components:			
Required components:			20
50° 25° 6° 25°			$\times$ / $\times$
Protective plate, glass Light distribution files			40
Protective plate, glass Light distribution files			30 <sup>2</sup> 30 <sup>3</sup> 30 <sup>4</sup> 10 <sup>4</sup>
Protective plate, glass Light distribution files			
	Protective plate	e, glass	Light distribution files



#### TRIDONIC I FD RLE 2x8 4000lm HP EXC2 OTD FWHM / FWTM Asymmetric Efficiency 76 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour/type White Required components: C17677\_STRADA-2X2-SHD-BLK Light distribution files TRIDONIC RLE 2x8 4000lm HP EXC2 OTD I FD FWHM / FWTM Asymmetric Efficiency 84 % 0.6 cd/lm Peak intensity LEDs/each optic 1 Light colour/type White Required components: Light distribution files Protective plate, glass



#### **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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#### LEDiL Oy

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#### Local sales and technical support www.ledil.com/ where\_to\_buy

**Shipping locations** Poznan, Poland Hong Kong, China

#### **Distribution Partners** www.ledil.com/ where\_to\_buy

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