

# PRODUCT DATASHEET C17360\_SPORT-2X2-FT60

## SPORT-2X2-FT60

Narrow forward throw beam for high masts

## **SPECIFICATION:**

Dimensions	50.0 x 50.0
Height	15.5 mm
Fastening	screw
ROHS compliant	yes 🛈



#### **MATERIALS**:

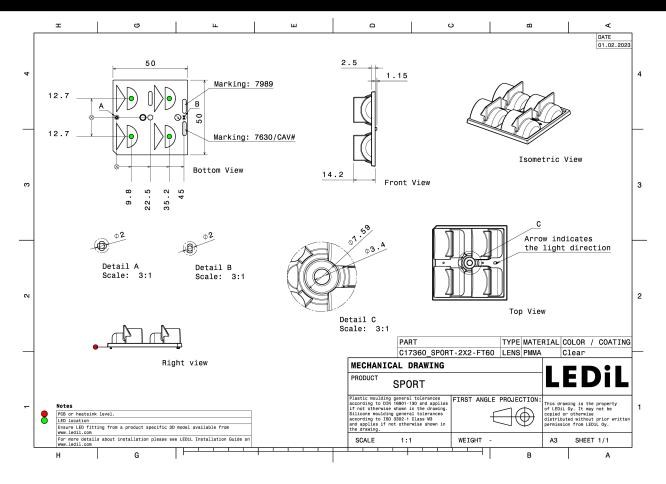
Component	Туре	Material	Colour	Finish	Length (mm)
SPORT-2X2-FT60	Multi-lens	PMMA	clear		

#### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17360_SPORT-2X2-FT60	640	128	128	9.5
» Box size: 480 x 280 x 300 mm				

# 

# PRODUCT DATASHEET C17360\_SPORT-2X2-FT60



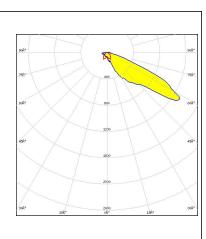
See also our general installation guide: www.ledil.com/installation\_guide



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

#### OSRAM Opto Semiconductore

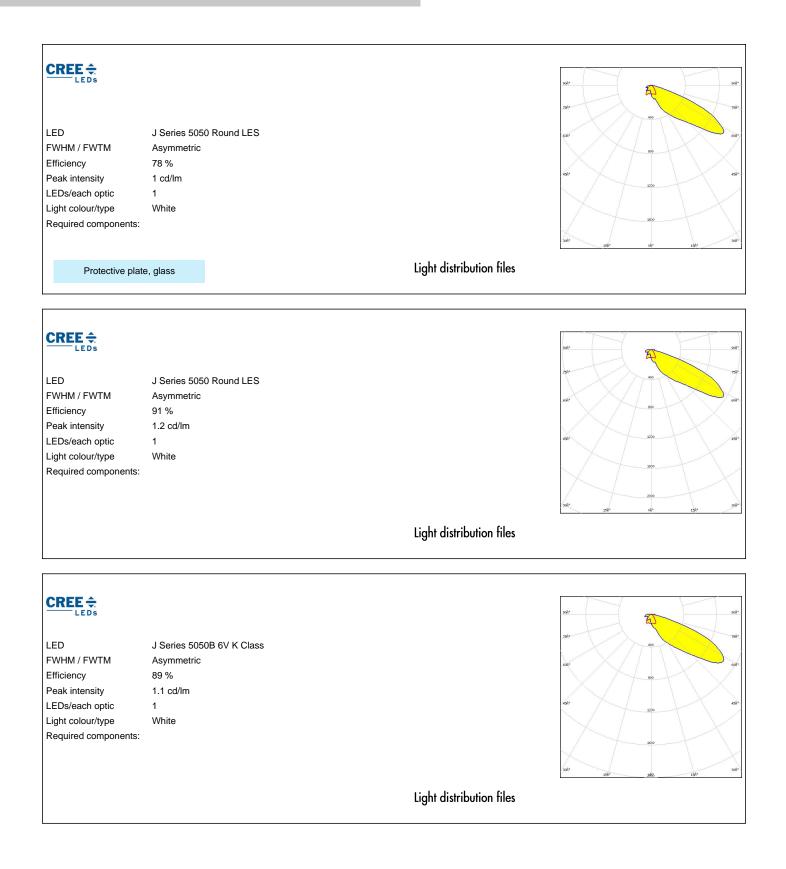
LED	OSCONIQ C 3030
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required componer	its:



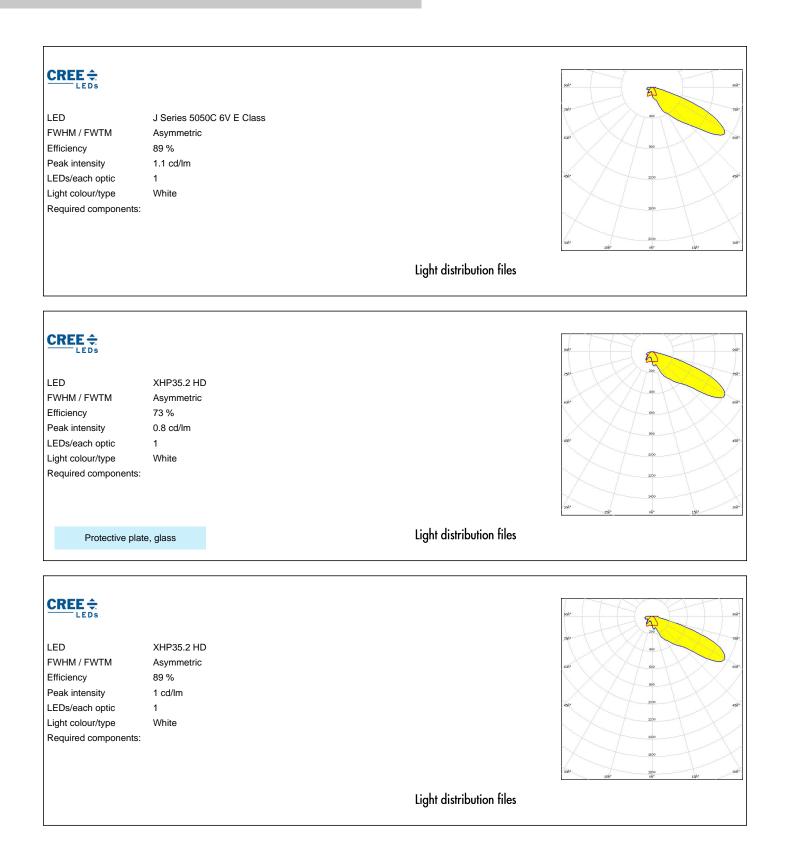
Light distribution files

# LED PassivePAQ-R-222x50.OS1.9.7K-750-5 V1.0 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.5 cd/m LEDs/each optic 1 Light colour/type White Required components: Light distribution files

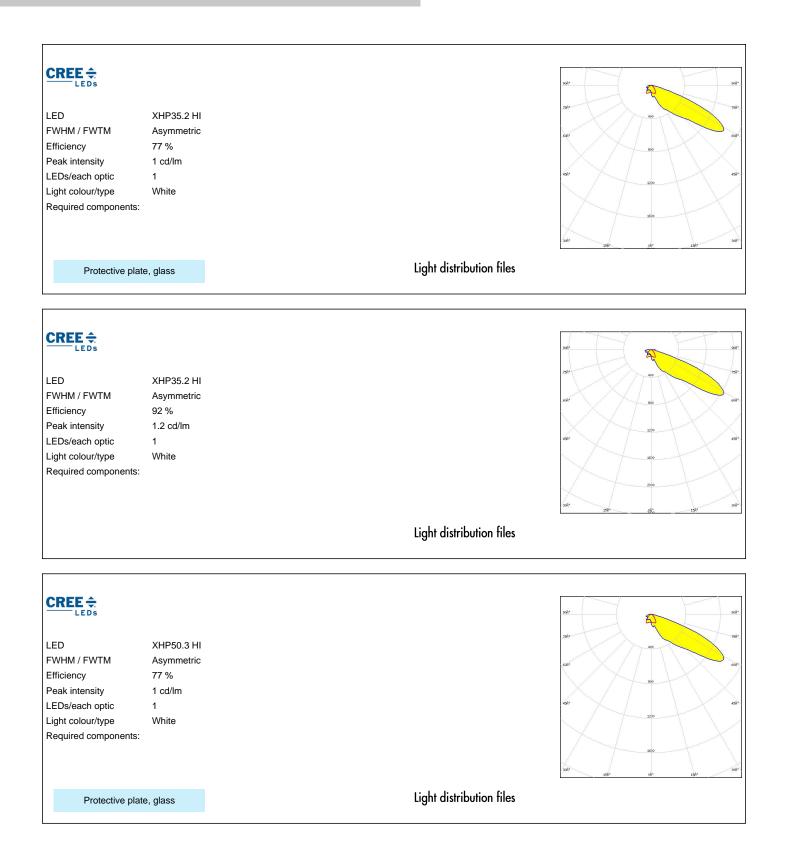








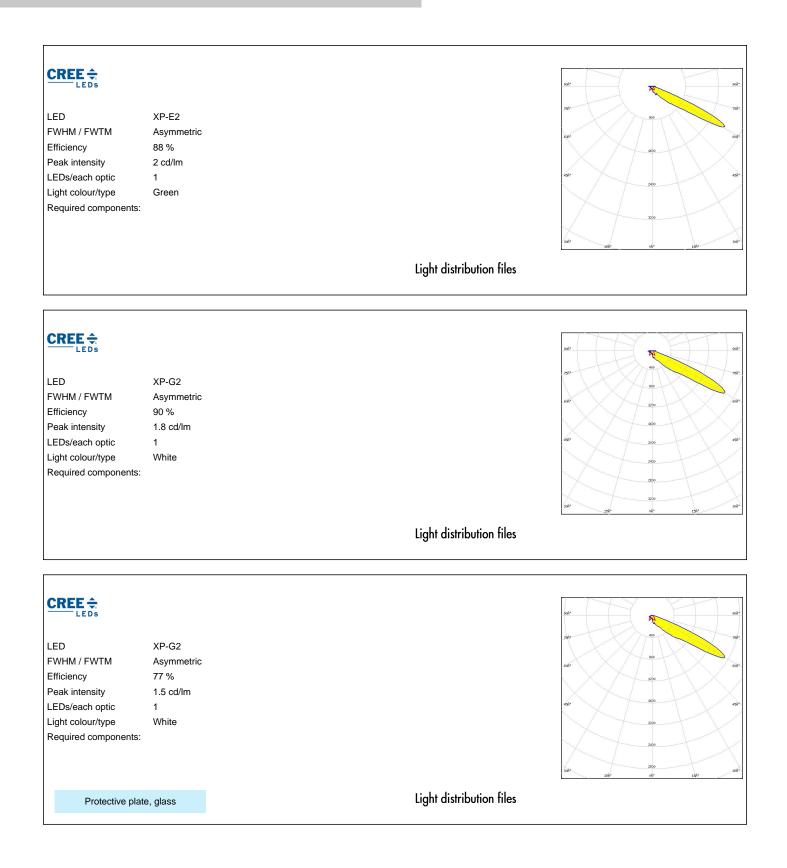




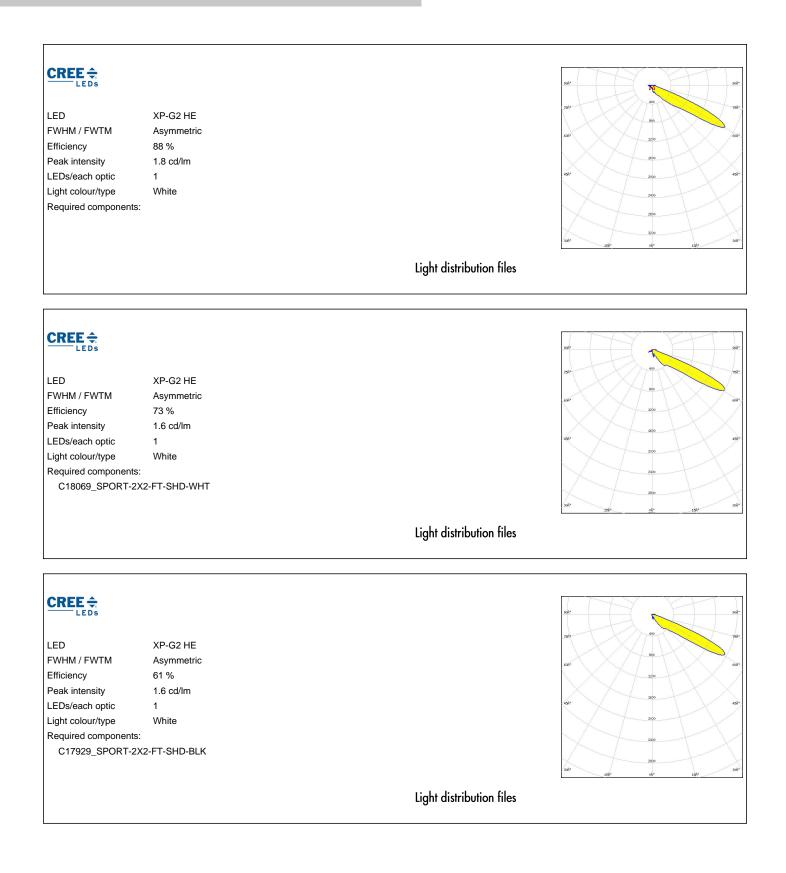


LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	XHP50.3 HI Asymmetric 92 % 1.2 cd/lm 1 White		
		Light	distribution files
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	XM-L3 Asymmetric 90 % 1.3 cd/lm 1 White	Liaht	distribution files
		Ligini	
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	XM-L3 Asymmetric 74 % 1.1 cd/lm 1 White		10 <sup>4</sup>
Protective plate	, glass	Light	distribution files

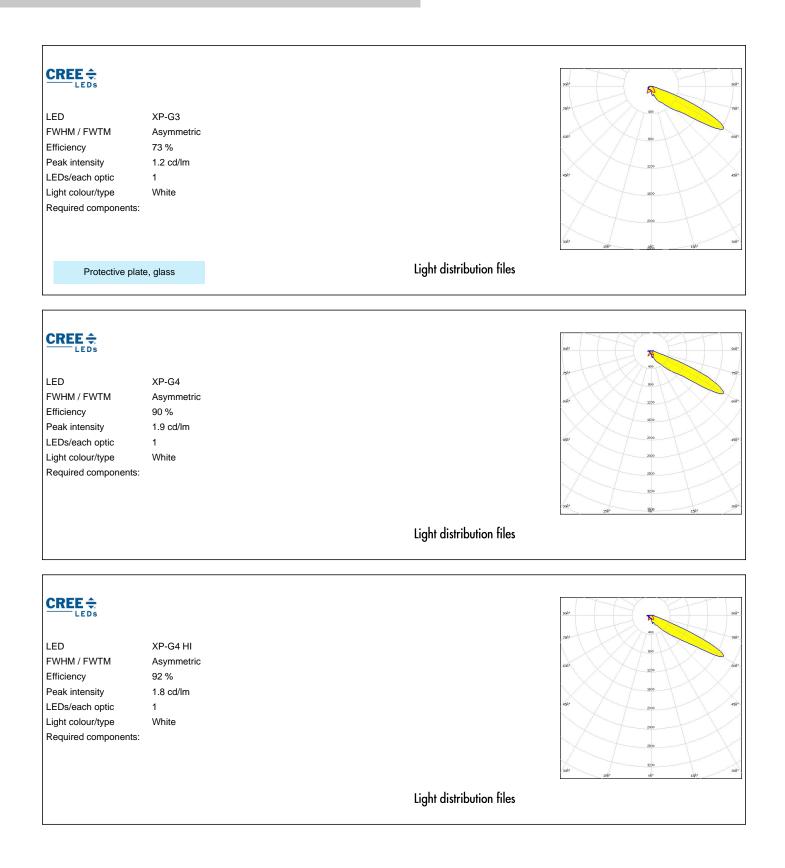




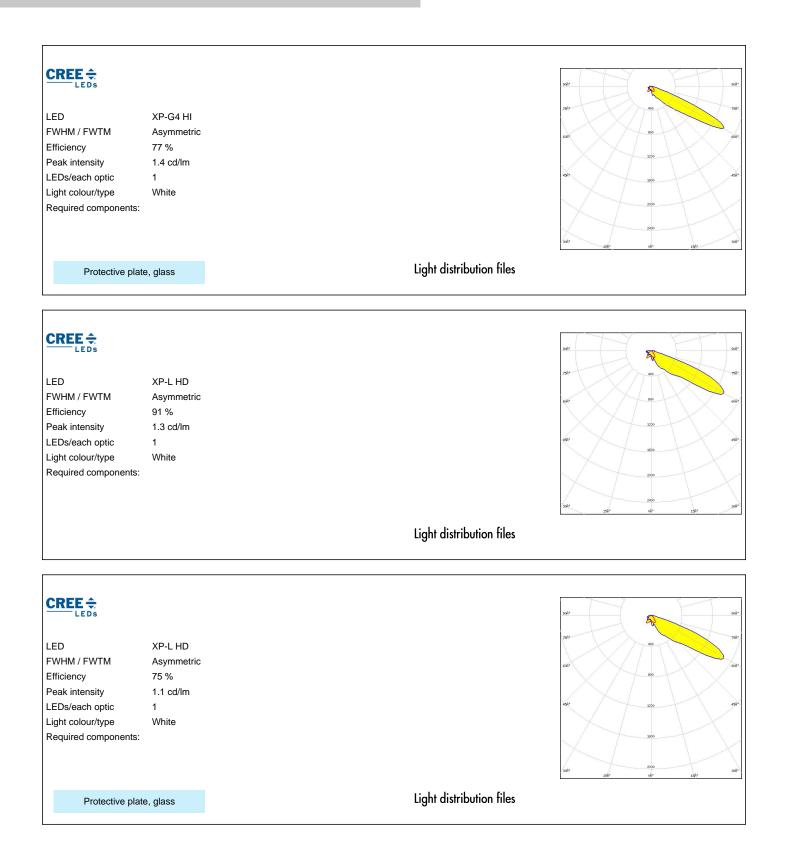




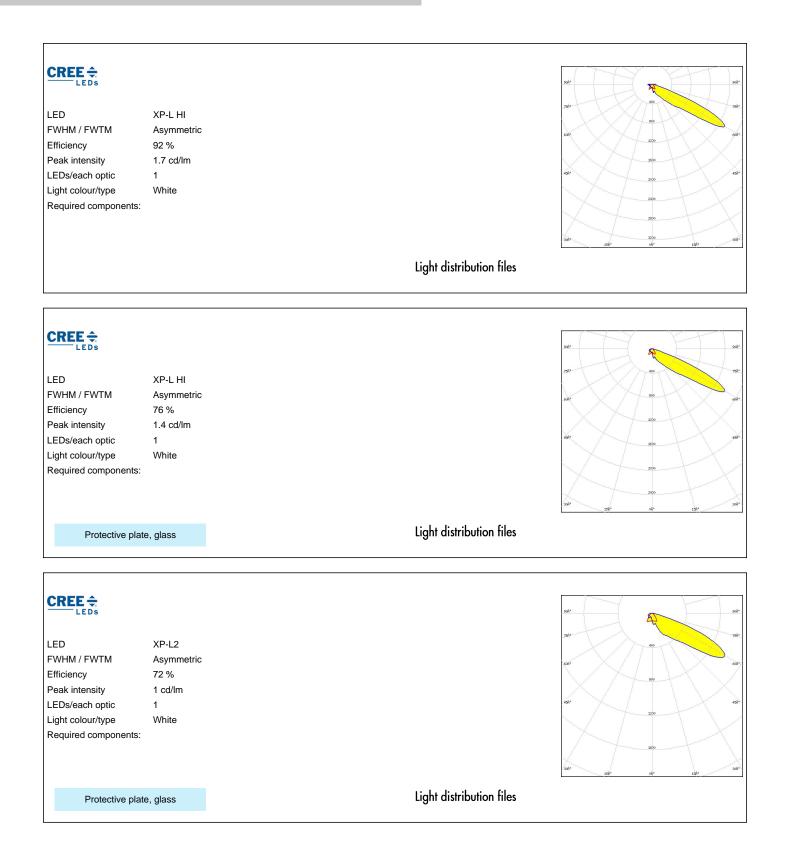




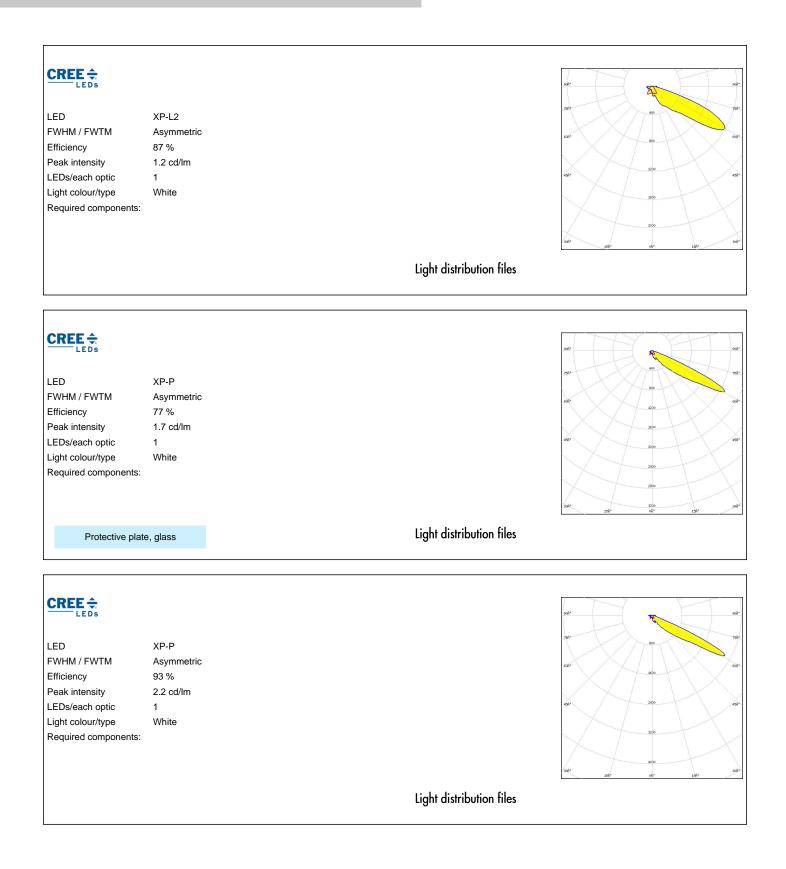




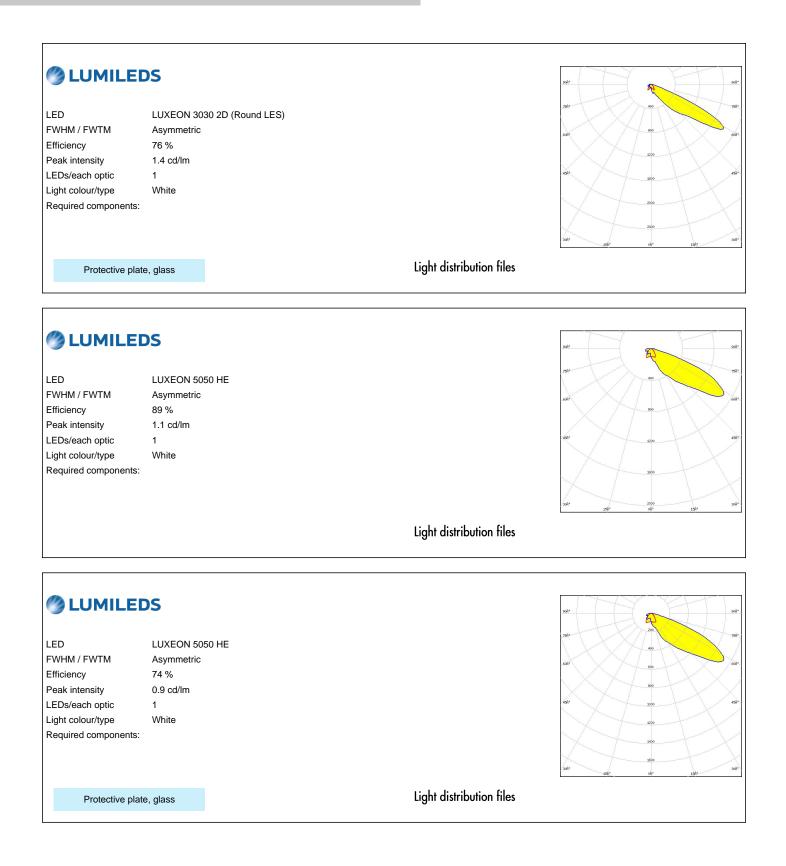




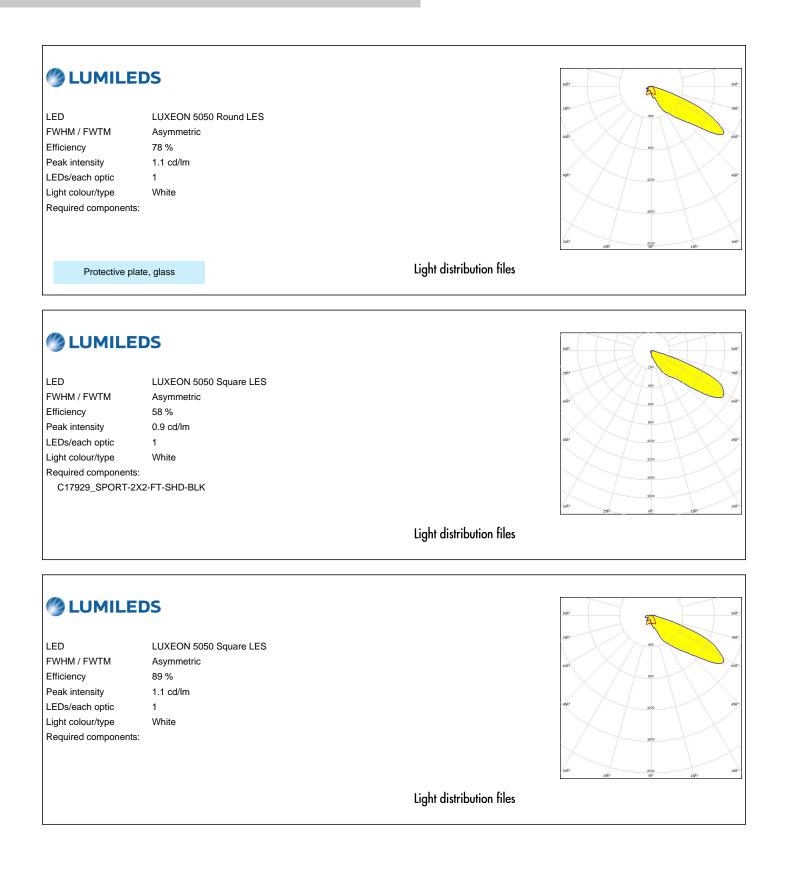




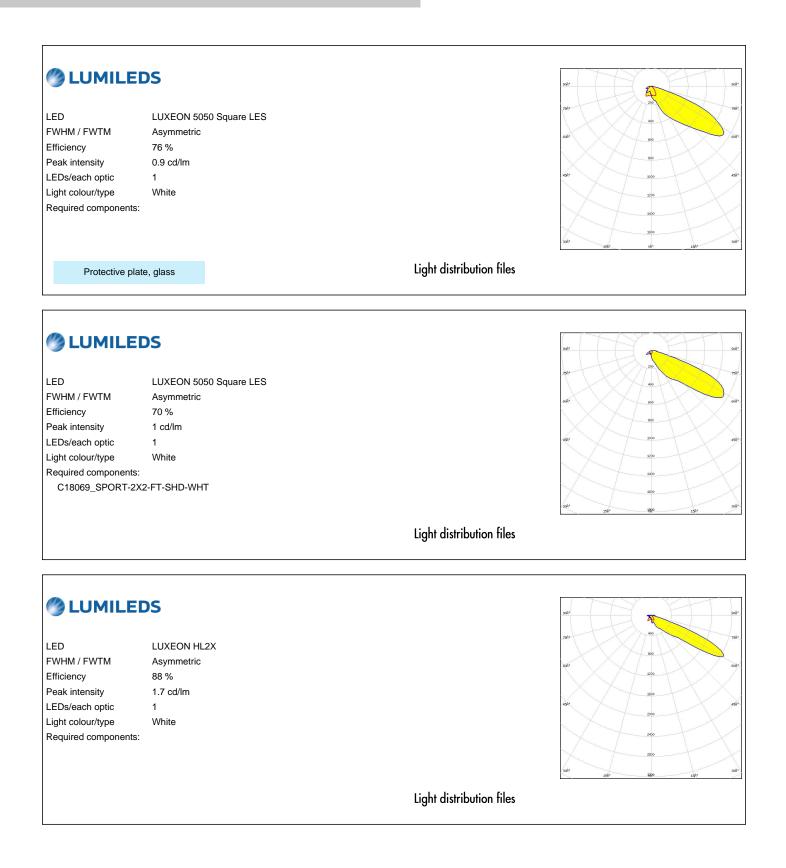




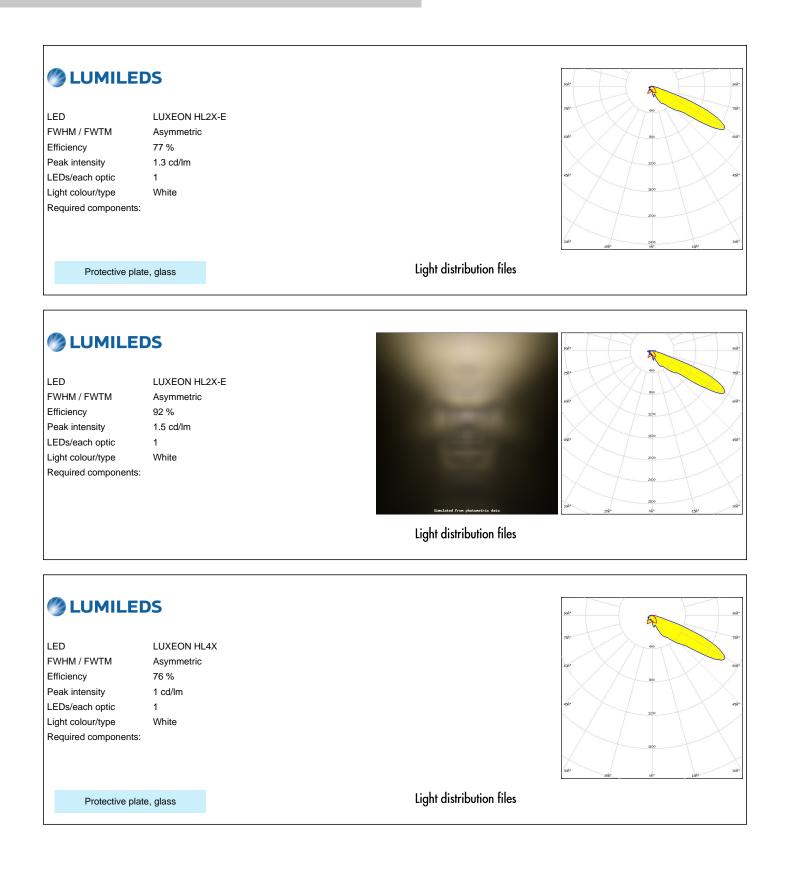








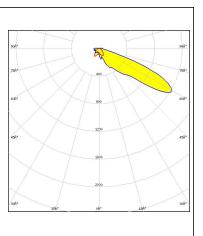






# UMILEDS

LED	LUXEON HL4X
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

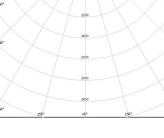


Light distribution files

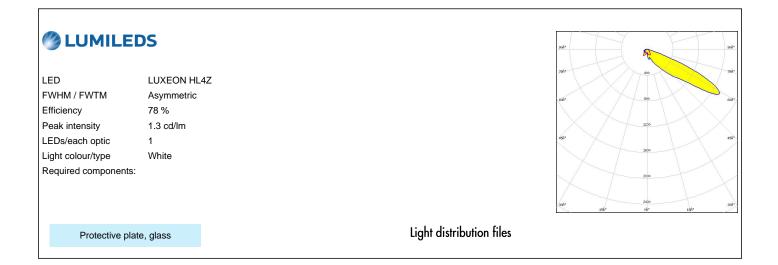
## LUMILEDS

- LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:
- LUXEON HL4Z Asymmetric 92 % 1.6 cd/lm 1 White





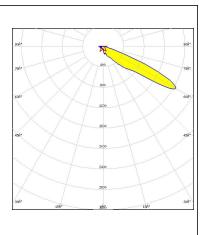
Light distribution files





# UMILEDS

LED	LUXEON TX
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

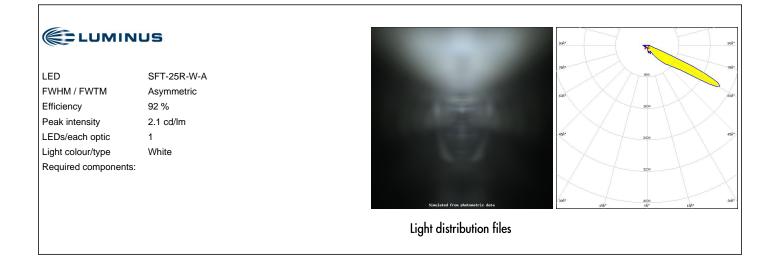


Light distribution files

#### LUMILEDS LUXEON XR-HL2X (L2H2-xxxxxxMLU010) I FD FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files LUXEON XR-HL2X (L2H2-xxxxxxMLU010) LED FWHM / FWTM Asymmetric Efficiency 76 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Protective plate, glass



	NUS	947	800
LED	SFT-12R-W-A	, and the second s	200
FWHM / FWTM	Asymmetric		1220
Efficiency	78 %		100
Peak intensity	1.9 cd/lm		
LEDs/each optic	1		2000 45
Light colour/type	White		24,00
Required component	S:		200
		Sec.	15%* 30 15%* 3
Protective p	ate, glass	Light distribution files	the second secon
Protective p			
		Light distribution files	
<b>ED</b>	NUS SFT-12R-W-A	Light distribution files	
LED FWHM / FWTM	NUS	Light distribution files	
LED FWHM / FWTM Efficiency	NUS SFT-12R-W-A Asymmetric	Light distribution files	
LED FWHM / FWTM Efficiency Peak intensity	SFT-12R-W-A Asymmetric 92 %	Light distribution files	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SFT-12R-W-A Asymmetric 92 % 2.4 cd/lm	Light distribution files	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	SFT-12R-W-A Asymmetric 92 % 2.4 cd/lm 1 White	Light distribution files	
ELUMII	SFT-12R-W-A Asymmetric 92 % 2.4 cd/lm 1 White	Light distribution files	



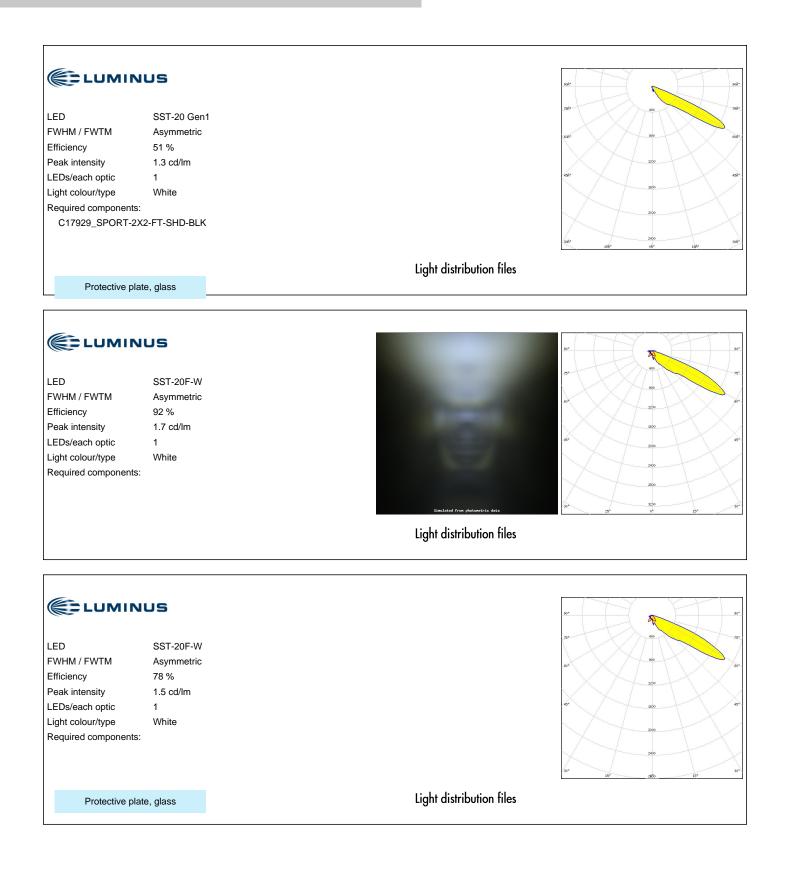


	US	2417
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	SFT-25R-W-A Asymmetric 78 % 1.7 cd/lm 1 White	
Protective plate	e, glass	Light distribution files
	US	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	SFT-40 Gen2 Asymmetric 77 % 1.6 cd/lm 1 White	
Protective plate	e, glass	Light distribution files
	US	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	SFT-40 Gen2 Asymmetric 92 % 2 cd/lm 1 White	Jain   200     Ski   120     Ski   120     Ski   200     Similated from photometric date   200
		Light distribution files



#### I FD SFT-40-WCS FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files SFT-70X-WCS I FD FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files SST-20 Gen1 LED FWHM / FWTM Asymmetric Efficiency 75 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Protective plate, glass



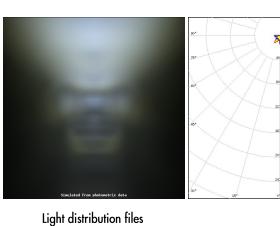




LED SST-25-W FWHM / FWTM Asymmetric Efficiency 77% Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: LED SST-25-W FWHM / FWTM Asymmetric Efficiency 92% Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour/type White Required components:	FWHM / FWTM Asymmetric Efficiency 77 % Peak intensity 1.4 cd/lm LEDS/each optic 1 Light colour/type White Required components: LED SST-25-W FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 1.7 cd/lm LEDS/each optic 1 Light colour/type White	FWHM / FWTM Asymmetric   Efficiency 77 %   Peak intensity 1.4 cd/lm   LEDs/each optic 1   Light colour/type White   Required components: Vite   Protective plate, glass   EED   SST-25-W   FWHM / FWTM Asymmetric   Efficiency 92 %   Peak intensity 1.7 cd/lm   LEDs/each optic 1   Light colour/type White	- 458° - 1600 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000
LED SST-25-W   FWHM / FWTM Asymmetric   Efficiency 92 %   Peak intensity 1.7 cd/m   LEDs/each optic 1   Light colour/type White   Required components: Image: Component (Component (Componen	LED SST-25-W   FWHM / FWTM Asymmetric   Efficiency 92 %   Peak intensity 1.7 cd/m   LEDs/each optic 1   Light colour/type White   Required components: Visite	LED SST-25-W   FWHM / FWTM Asymmetric   Efficiency 92 %   Peak intensity 1.7 cd/lm   LEDs/each optic 1   Light colour/type White	Light distribution files
LED SST-25-W FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour/type White Required components:	LED SST-25-W FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour/type White Required components:	LEDSST-25-WFWHM / FWTMAsymmetricEfficiency92 %Peak intensity1.7 cd/lmLEDs/each optic1Light colour/typeWhite	
			Similated fram plotometric date

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

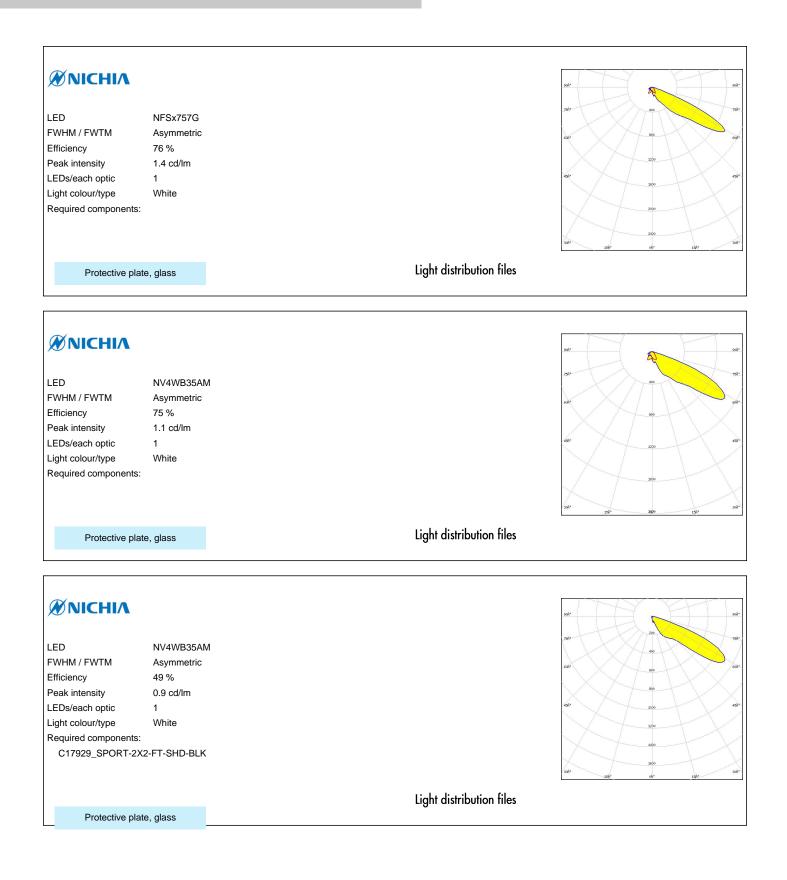
Asymmetric 92 % 1.4 cd/lm 1 White





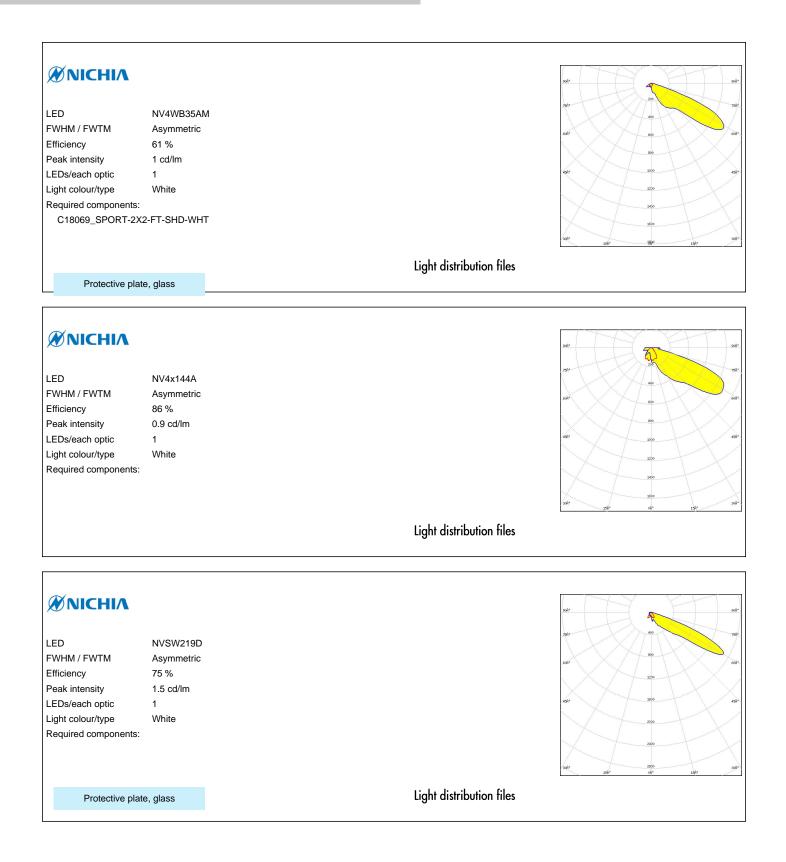
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	SST-36F-W Asymmetric 77 % 1.2 cd/lm 1 White	
Protective plat	e, glass	Light distribution files
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	SST-70X-WCS Asymmetric 76 % 0.9 cd/lm 1 White	Light distribution files
	US	90Å*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	SST-70X-WCS Asymmetric 92 % 1.1 cd/lm 1 White	



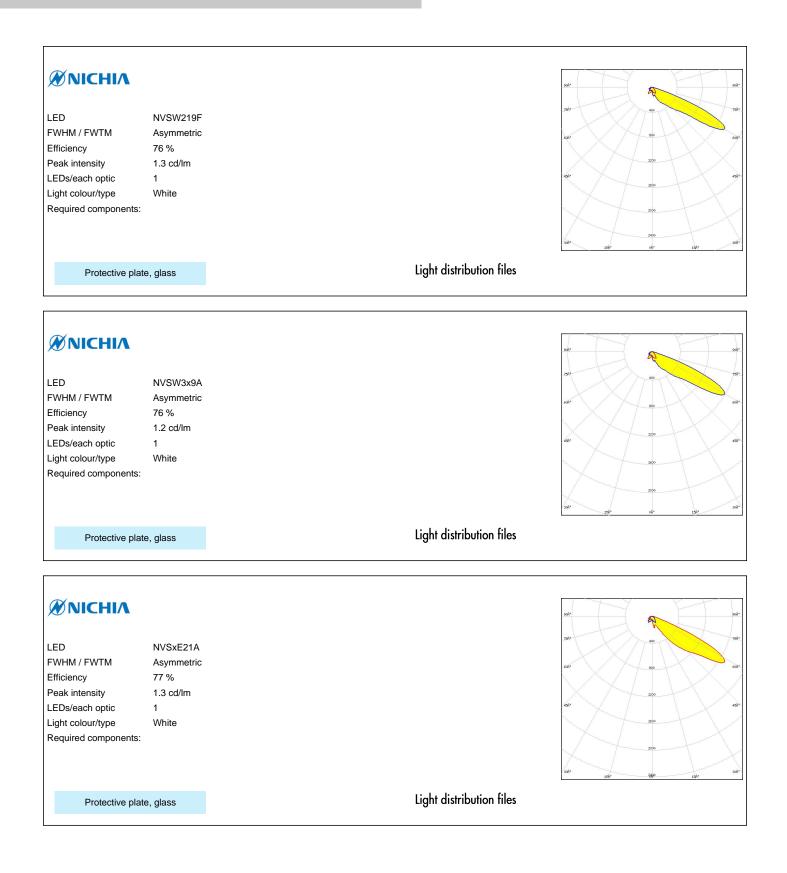


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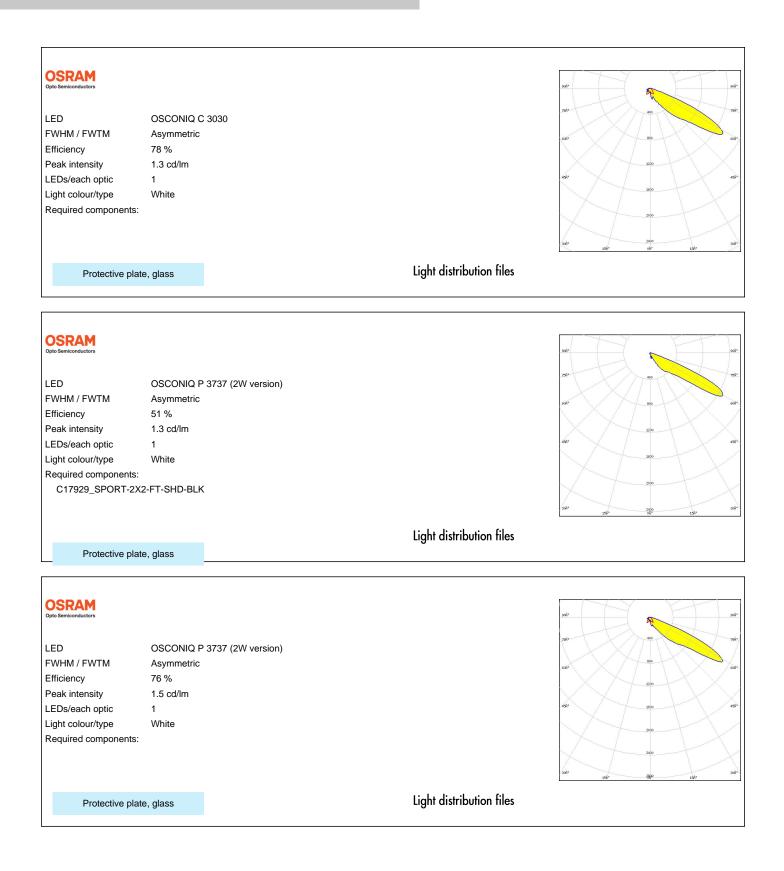


OSRAM		
opto Semiconductors LED FWHM / FWTM	Duris S8 Asymmetric	-10-1 -10-1-
Efficiency	70 %	
Peak intensity	0.9 cd/lm	00
LEDs/each optic	1	497 1000
Light colour/type	White	1230
Required components C18069_SPORT-2		100
C10009_3FOR1-2	AZ-F1-3HD-WH1	1420 1420 1420 1420
		Light distribution files
OSRAM		
Opto Semiconductors		508° E
LED	Duris S8	2500 440
FWHM / FWTM	Asymmetric	566
Efficiency	91 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	404* 1000
Light colour/type	White	120
Required components	S:	
		1000 100 <sup>4</sup> 20 <sup>6</sup> 10 <sup>6</sup>
		Light distribution files
OSRAM		
Opto Semiconductors		2007
LED	Duris S8	
FWHM / FWTM	Asymmetric	566
Efficiency	57 %	60
Peak intensity	0.8 cd/lm	00
LEDs/each optic	1	46° 100
Light colour/type	White	
Required components C17929_SPORT-2		1220
U1/929 SPURI-2	AZ-F I-SHU-BLK	340
		128 04 128

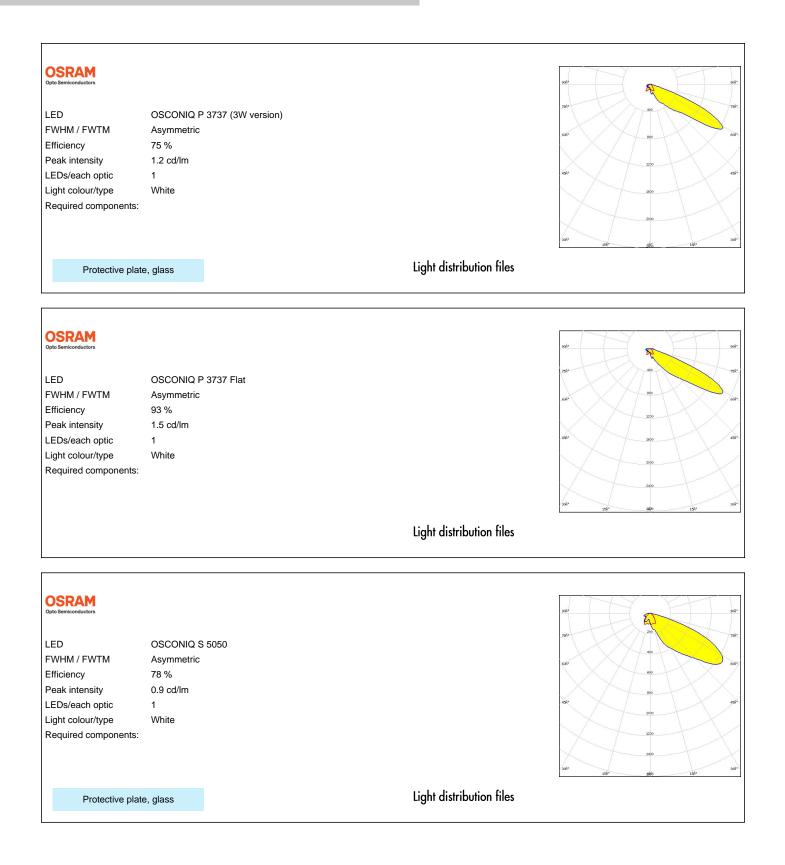


COSREM Deb Semiconductors	Duris S8 Asymmetric 78 % 0.9 cd/lm 1 White	Light distribution files
COSREM Description ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	OSCONIQ C 2424 Asymmetric 89 % 0.8 cd/lm 4 White	Light distribution files
OSRAM Opto Semiconductors		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	OSCONIQ C 3030 Asymmetric 93 % 1.6 cd/lm 1 White	
Light colour/type Required components:		



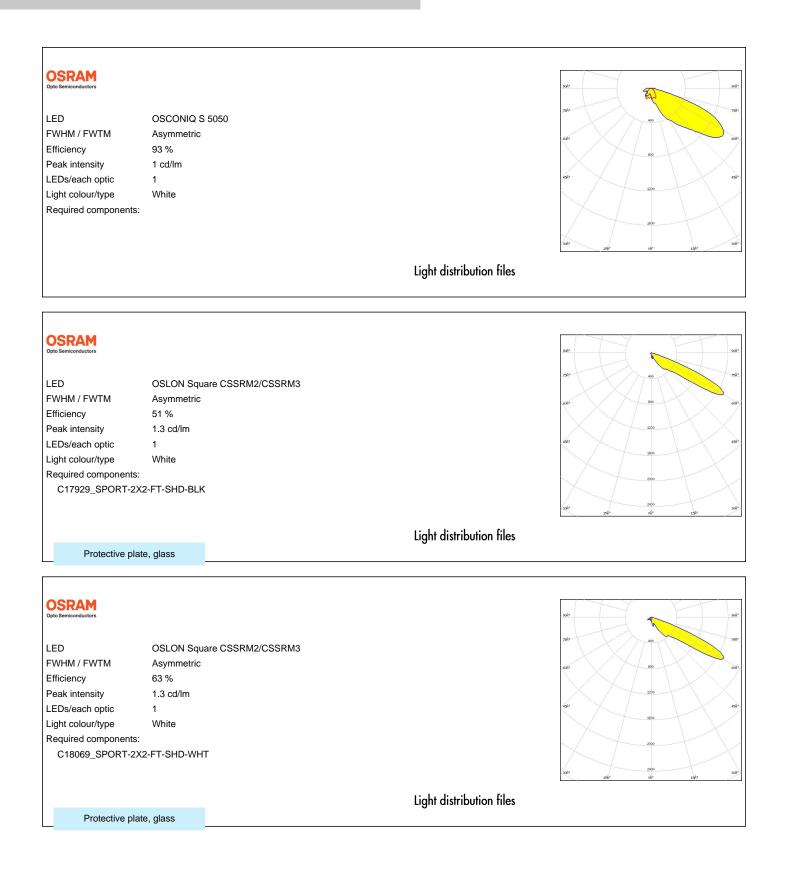






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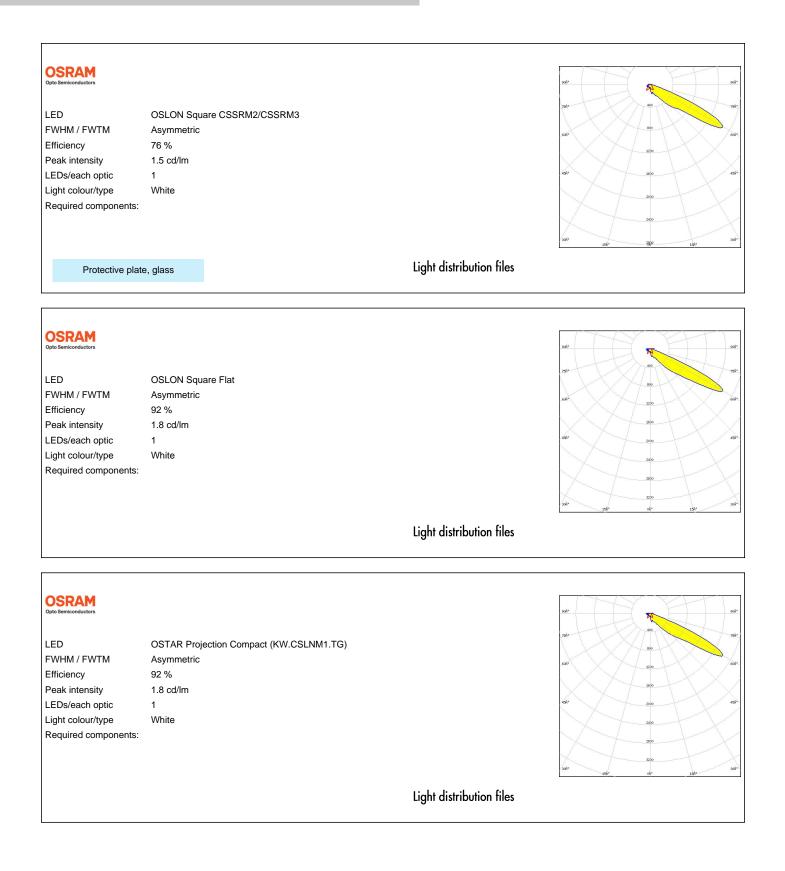




#### OSRAM Opto Semiconductore I FD OSLON Square CSSRM2/CSSRM3 FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files OSRAM Opto Semiconductore OSLON Square CSSRM2/CSSRM3 I FD FWHM / FWTM Asymmetric Efficiency 62 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: C17929\_SPORT-2X2-FT-SHD-BLK Light distribution files OSRAM Opt OSLON Square CSSRM2/CSSRM3 LED FWHM / FWTM Asymmetric 73 % Efficiency Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: C18069\_SPORT-2X2-FT-SHD-WHT

Light distribution files







SVWSU	NG	598°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components	LH351B Asymmetric 75 % 1.4 cd/lm 1 White	
Protective pla	ate, glass	Light distribution files
SVWSU	NG	50 <sup>21</sup>
LED FWHM / FWTM Efficiency Peak intensity	LH351C Asymmetric 77 % 1.4 cd/lm	
LEDs/each optic Light colour/type Required components	1 White	
Protective pla	ate, glass	Light distribution files
SAMSU	NG	93i-
LED	LH351C	750 400
FWHM / FWTM	Asymmetric	5684
Efficiency	88 %	220
Peak intensity _EDs/each optic	1.6 cd/lm 1	-631-
ight colour/type Required components	White	2000 2000 2000 2000 2000 2000 2000 200
		Light distribution files



SAMSUN	IG	94 <sup>1</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LH351D Asymmetric 74 % 1.1 cd/lm 1 White	
Protective plate	, glass	Light distribution files
SAMSUN	IG	90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LH351D Asymmetric 88 % 1.3 cd/lm 1 White	
		Light distribution files
SAMSUN	IG	99 <sup>1</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LH502C Asymmetric 75 % 0.9 cd/lm 1 White	
		Light distribution files

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SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LH502C Asymmetric 89 % 1 cd/lm 1 White	
		Light distribution files
SEOUL SEMICONDUCTOR		
LED	MJT 5050	
FWHM / FWTM	Asymmetric	
Efficiency	76 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components:		
Protective plate	ə, glass	Light distribution files
SEOUL SEMICONDUCTOR		900- 200- 200-
LED	SEOUL DC 5050 6V	
FWHM / FWTM	Asymmetric	
Efficiency	76 %	
Peak intensity LEDs/each optic	0.9 cd/lm 1	est.
Light colour/type	White	500
Required components:		1200 1000 1000 1000 1000 1000 1000
Protective plate	ə, glass	Light distribution files



			30%* 15%* 0%* 15%*
EROUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z5M4 Asymmetric 77 % 1.4 cd/lm 1 White		9.94* 7.94* 6.0 5.84* 1.00 5.94* 1.00 5.00
Protective plate	e, glass	Light distribution files	
Required components:			2000 2007 2007
Light colour/type	White		1500
LEDs/each optic	1		
Peak intensity	1.2 cd/lm		1200
Efficiency	76 %		.64 <sup>4</sup> * <u>840</u>
EED FWHM / FWTM	Asymmetric		
SEOUL SEMICONDUCTOR	Z5M3		781
SEOU			
		Light distribution files	
			304° 154° 04° 154°
Required components:			1630
Light colour/type	White		
LEDs/each optic	1		- 458*
Peak intensity	1 cd/lm		
Efficiency	89 %		
LED FWHM / FWTM	SEOUL DC 5050 6V Asymmetric		
50			75%
EOUL SEMICONDUCTOR			900°

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SEOUL SEMICONDUCTOR		90°
LED	Z5M4-E1	735 400
FWHM / FWTM	Asymmetric	
Efficiency	77 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour/type	White	200
Required components:		
		200
Protective pla	alass	Light distribution files
		• 
SEOUL		
SEOUL SEMICONDUCTOR		32"
	Z5M4-E1	254
LED FWHM / FWTM		80
Efficiency	Asymmetric 92 %	80'
Peak intensity	92 % 1.6 cd/lm	
LEDs/each optic	1	61
Light colour/type	White	200
Required components:	·······	24/0
		Similated from photometric data
		Light distribution files
SEOUL SEMICONDUCTOR		54°
LED	Z5M4-E2	25 60
FWHM / FWTM	Asymmetric	514 300
Efficiency	92 %	
Peak intensity	1.6 cd/lm	1500
LEDs/each optic	1	63*
Light colour/type	White	200
Required components:		200
		200
		Similated From photometric data



SECUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z5M4-E2 Asymmetric 77 % 1.3 cd/lm 1 White	
Protective plate	, glass	Light distribution files
SEQUE SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z5M5 Asymmetric 88 % 1.3 cd/lm 1 White	Light distribution files
SEQUI SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z5M5 Asymmetric 76 % 1.1 cd/lm 1 White	
Protective plate	, glass	Light distribution files

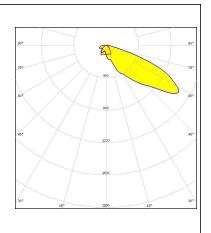


seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z8Y22 Asymmetric 90 % 1.2 cd/lm 1 White		50 <sup>10</sup> 50
		Light distribution files	
SEOUL SEMICONDUCTOR			
			75%
LED	Z8Y50P		
FWHM / FWTM	Asymmetric		500-
Efficiency	76 %		
Peak intensity	0.7 cd/lm		60
LEDs/each optic	1		450
Light colour/type	White		
Required components:			1000
			1200
Protective pla	te, glass	Light distribution files	nu zdi, aj, izk
	C		patr o
TRIDONI			
	RLE 2x8 6000lm HP HE EXC3 OTD		
LED FWHM / FWTM	RLE 2x8 6000lm HP HE EXC3 OTD Asymmetric		
LED FWHM / FWTM	RLE 2x8 6000lm HP HE EXC3 OTD Asymmetric 76 %		
LED FWHM / FWTM Efficiency	Asymmetric		
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 76 %		03 00 00 00
LED	Asymmetric 76 % 0.9 cd/lm		60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 76 % 0.9 cd/lm 1 White		400 600 600 600 600 600 600 600 600 600
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	Asymmetric 76 % 0.9 cd/lm 1 White		0.6* 00 0.6* 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	Asymmetric 76 % 0.9 cd/lm 1 White		40 60 900 1000 1000

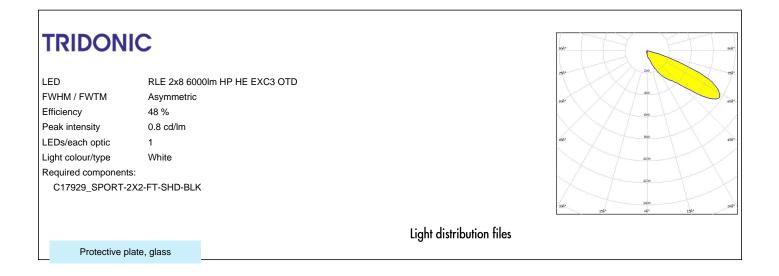


# TRIDONIC

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: RLE 2x8 6000lm HP HE EXC3 OTD Asymmetric 92 % 1.1 cd/lm 1 White



Light distribution files





## PRODUCT DATASHEET C17360\_SPORT-2X2-FT60

#### **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.

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#### LEDiL Oy

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Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B **Casic Motor Building** Shenzhen 518057 P.R.CHINA

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

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