

PRODUCT DATASHEET C17414_SPORT-2X2-S6

SPORT-2X2-S6

Slightly asymmetric ~60° spot beam with minimum spill light

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-S6	Multi-lens	PMMA	clear		

ORDERING INFORMATION:

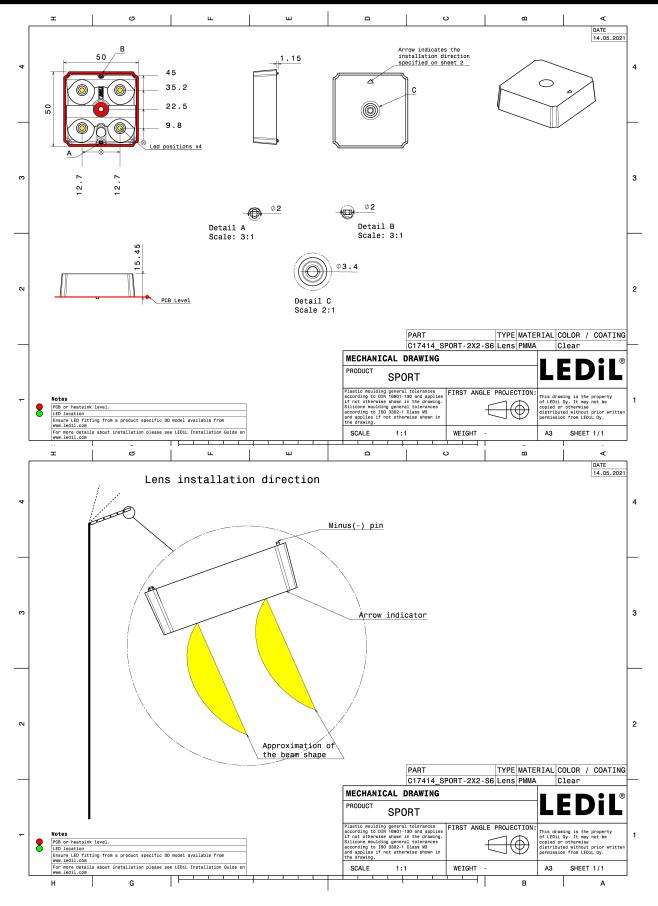
Component

C17414_SPORT-2X2-S6 » Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
476	140	28	11.4



PRODUCT DATASHEET C17414_SPORT-2X2-S6

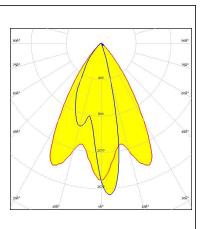


See also our general installation guide: www.ledil.com/installation_guide



OPTICAL RESULTS (MEASURED):

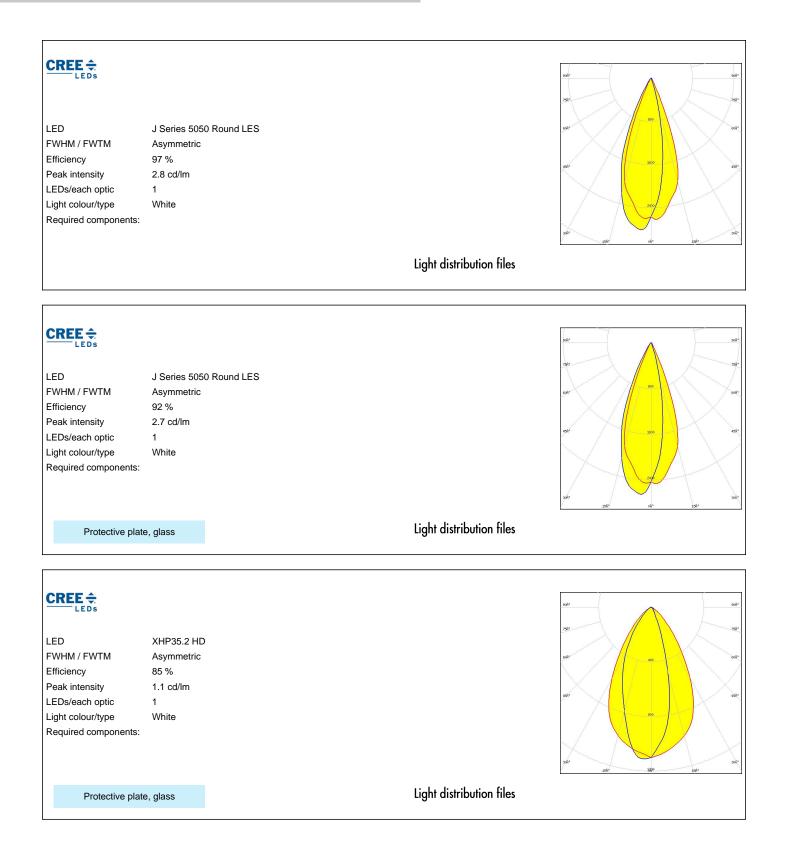
LED	XP-G4
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required compone	ents:



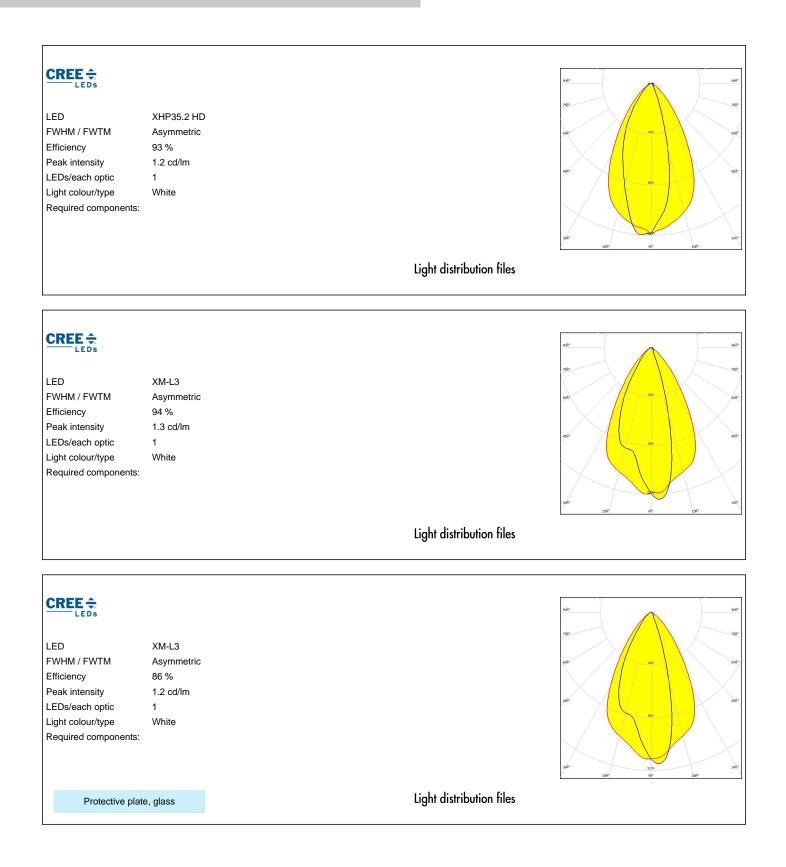
Light distribution files

OSRAM Opto Semiconductore LED OSCONIQ C 3030 FWHM / FWTM Asymmetric Efficiency 96 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files LED PassivePAQ-R-274x51-NI0-21K-857-5 FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files





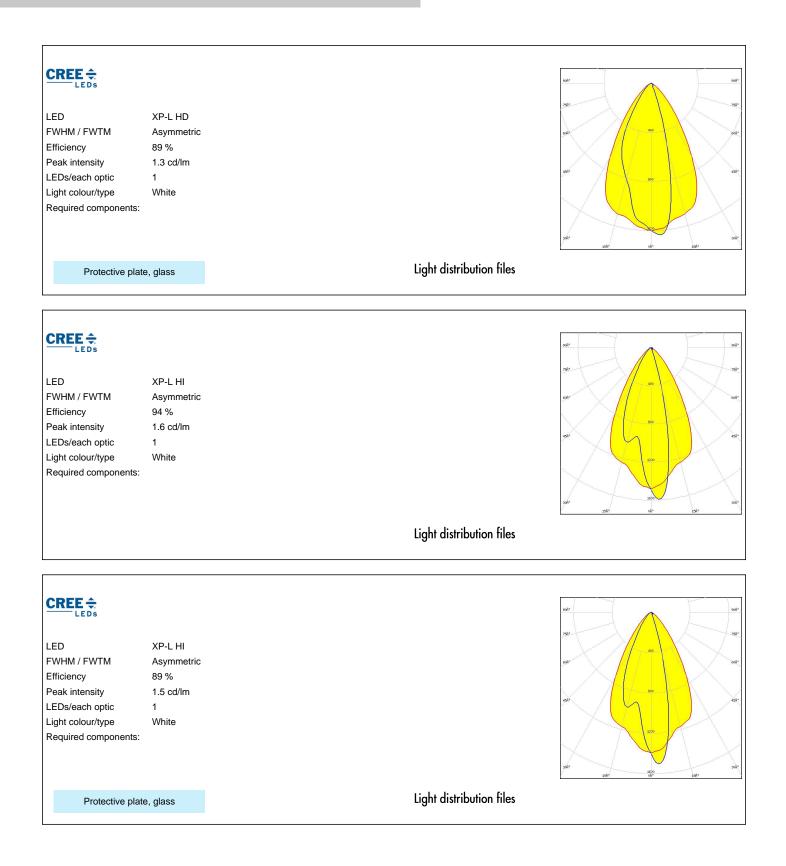






CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	XP-G2 HE Asymmetric 94 % 1.6 cd/lm 1 White	
		Light distribution files
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Protective plate	XP-G3 Asymmetric 88 % 1.3 cd/lm 1 White	Light distribution files
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White	*joe *joe *joe *joe *joe *joe *joe *joe
		Light distribution files

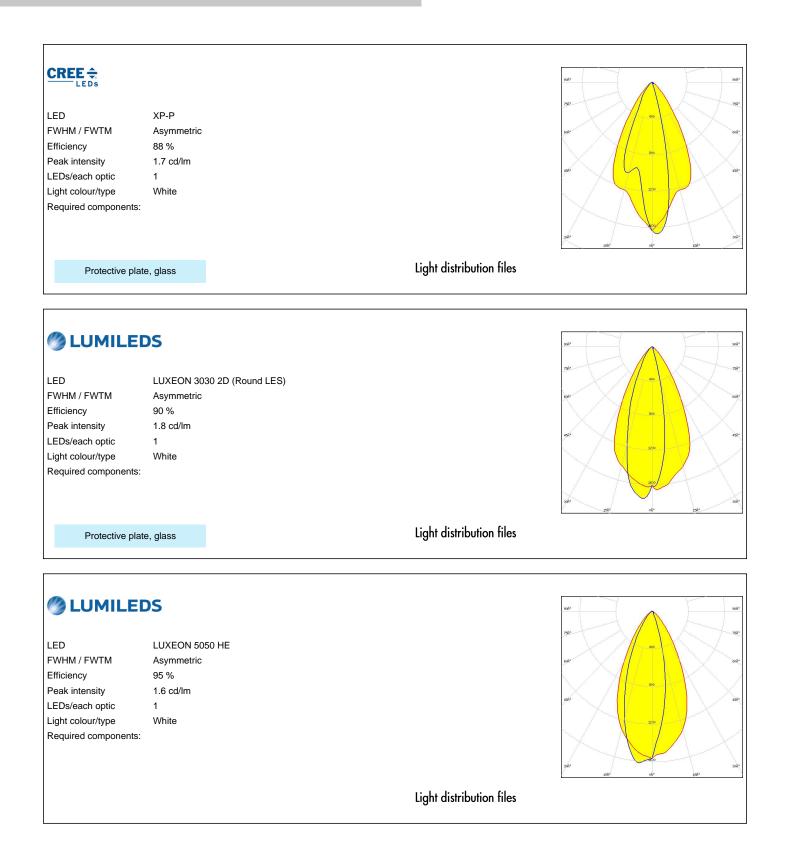






CREE LED WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	XP-L2 Asymmetric 93 % 1.2 cd/lm 1 White	
		Light distribution files
CREE LED WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Protective plate	XP-L2 Asymmetric 86 % 1.1 cd/lm 1 White	Light distribution files
ED WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	XP-P Asymmetric 95 % 1.8 cd/lm 1 White	Light distribution files

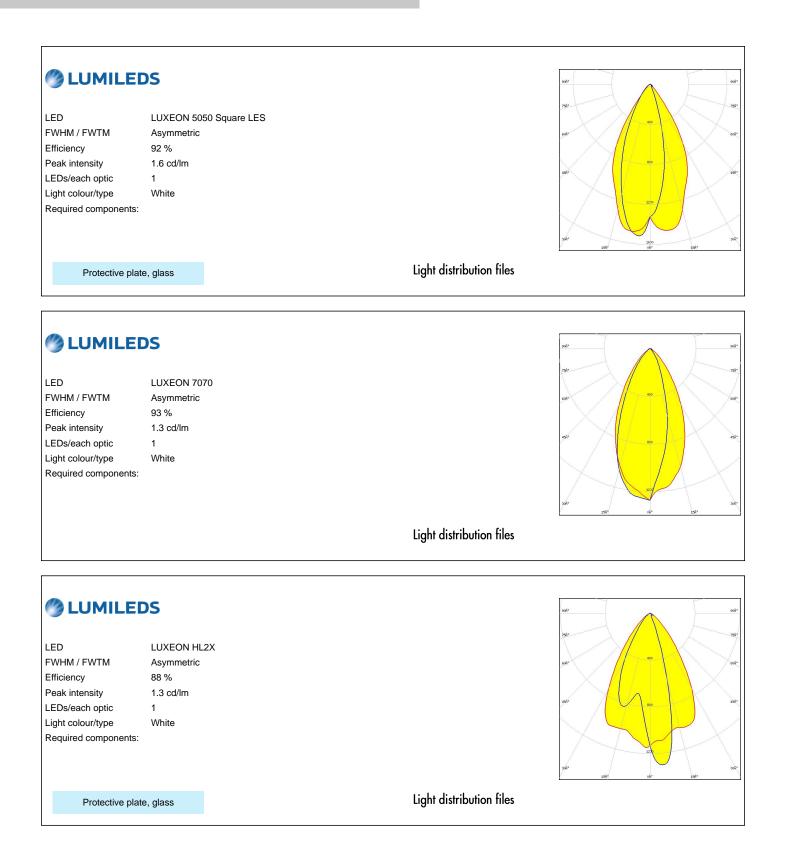




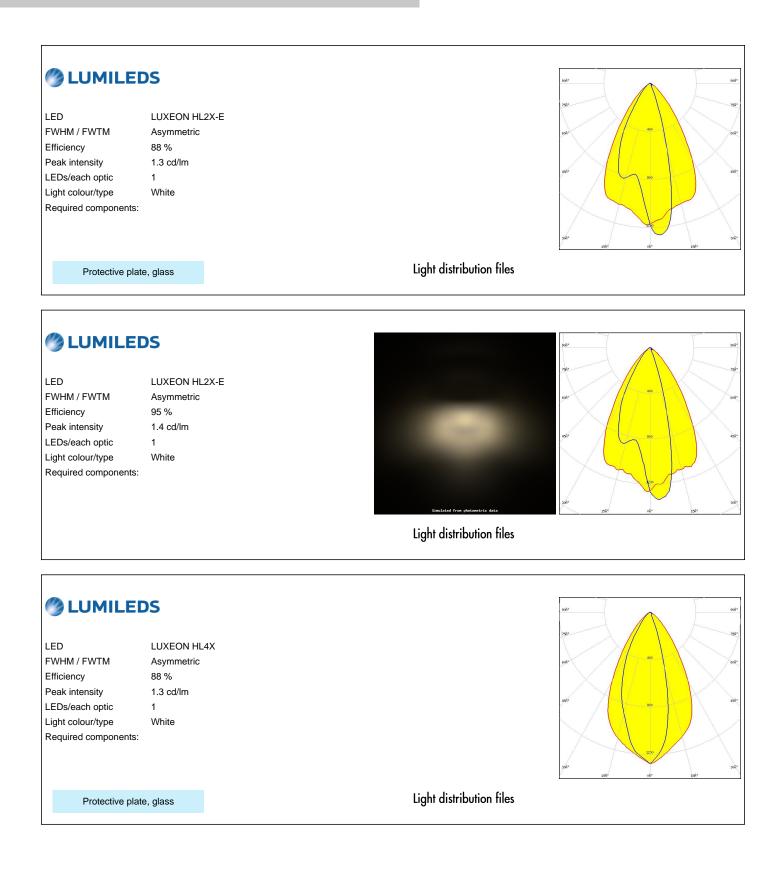


	DS		90Å*
LED FWHM / FWTM	LUXEON 5050 HE Asymmetric		64* - 400.
Efficiency	87 %		
Peak intensity	1.5 cd/lm		azik
_EDs/each optic	1		
Light colour/type	White		
Required components	5		347
Protective pl	ate, glass	Light distribution files	1947 - 1967 1967 - 1967
CONTRACTOR OF CO	LUXEON 5050 Round LES Asymmetric 92 % 1.6 cd/lm 1 White	Light distribution files	9.4 ⁴ 74 ² 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.4
	'DS		
	5		904*
	LUXEON 5050 Square LES		7987
	Asymmetric		500 C
			644° 6
FWHM / FWTM			
FWHM / FWTM Efficiency	95 %		
FWHM / FWTM Efficiency Peak intensity	95 % 1.6 cd/lm		970 - 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	95 % 1.6 cd/lm 1		97 ¹
FWHM / FWTM Efficiency Peak intensity	95 % 1.6 cd/lm 1 White		









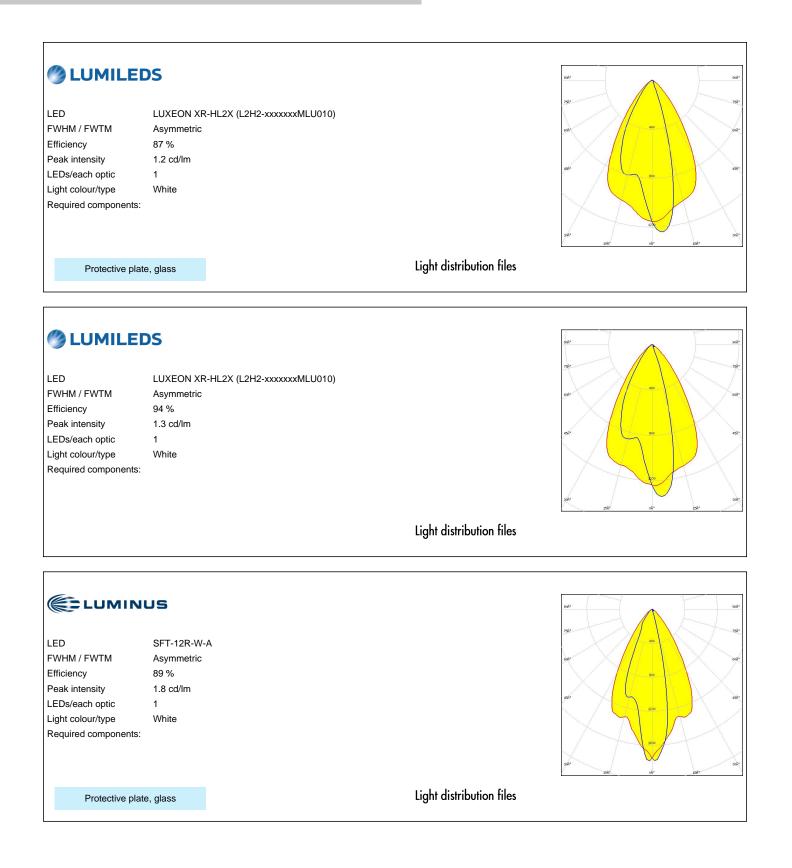


LUMILEDS I FD LUXEON HL4X FWHM / FWTM Asymmetric Efficiency 95 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files LUMILEDS LUXEON HL4Z I FD FWHM / FWTM Asymmetric Efficiency 95 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files LUXEON HL4Z LED FWHM / FWTM Asymmetric Efficiency 89 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:

Protective plate, glass

Light distribution files

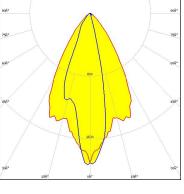






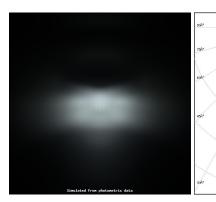
LED	SFT-12R-W-A
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

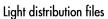


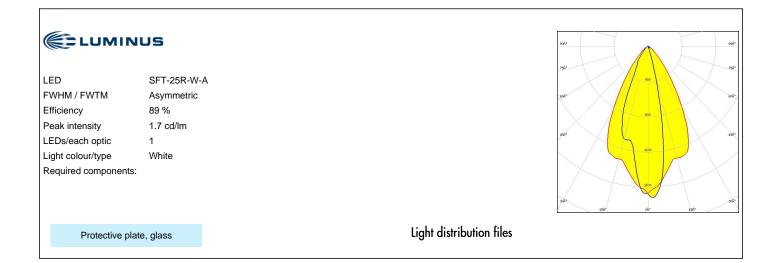


Light distribution files

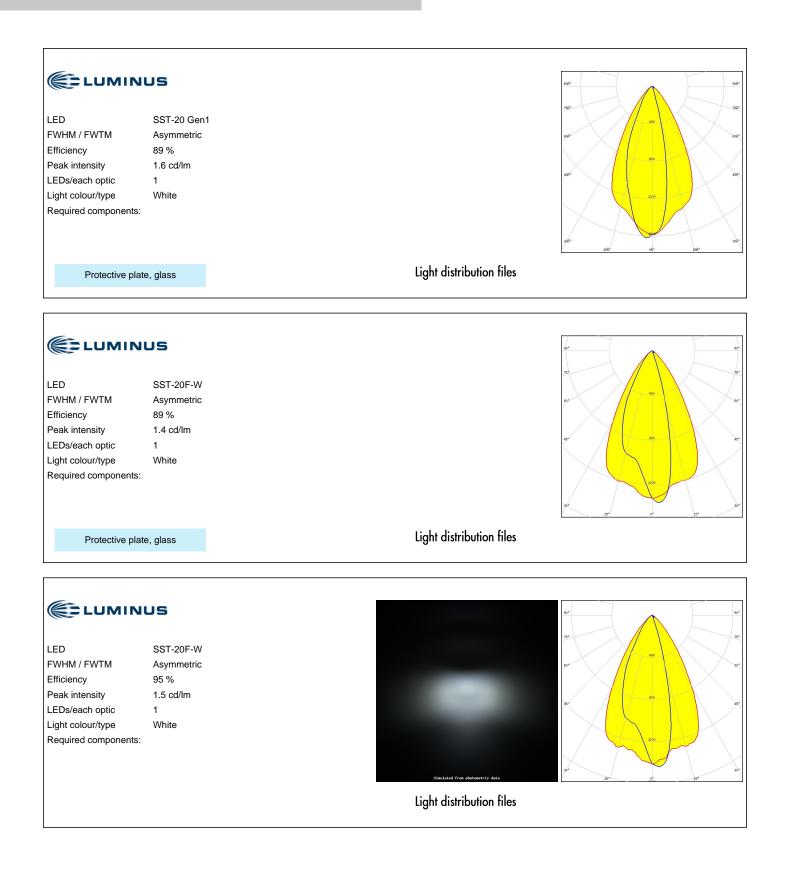
- LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:
- SFT-25R-W-A Asymmetric 95 % 1.8 cd/lm 1 White













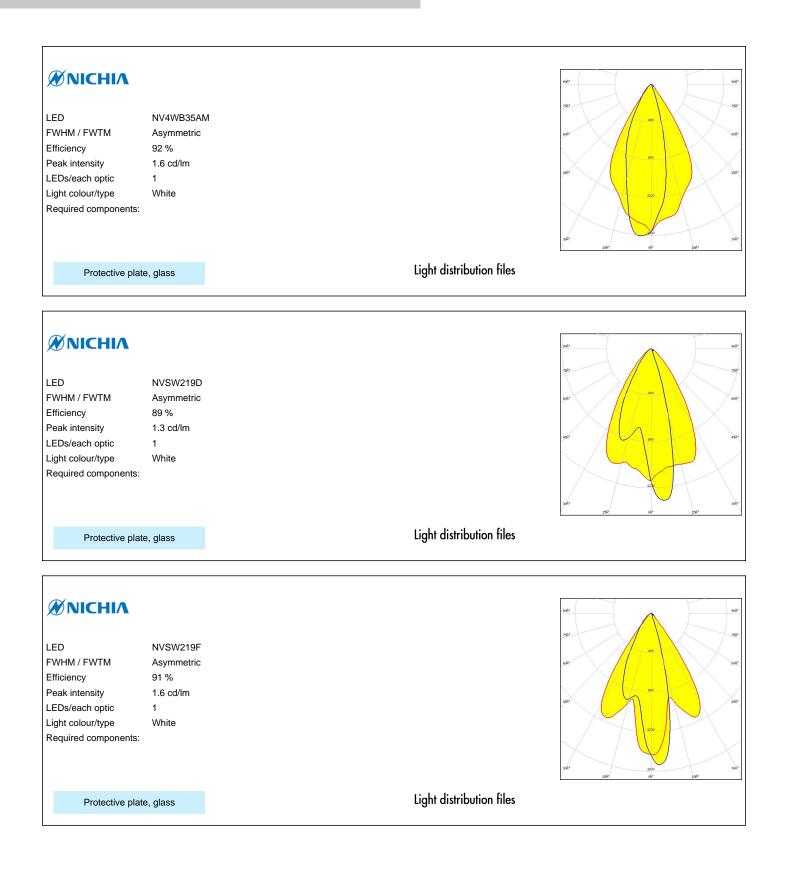
	JS	sit*
LED	SST-25-W	
FWHM / FWTM	Asymmetric	5587
Efficiency	88 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	58
Light colour/type	White	
Required components:		
		xiv
Droto stive plat		Light distribution files
Protective plate	e, glass	
	JS	sav
		78
	SST-25-W	
FWHM / FWTM	Asymmetric	593+*
Efficiency	95 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1 White	
Light colour/type Required components:	white	
Required components.		
		Similated free photometric data 15% core 15%
		Light distribution files
	JS	av.
		7
LED FWHM / FWTM	SST-36F-W	
Efficiency	Asymmetric 95 %	
Peak intensity	95 % 1.3 cd/lm	
LEDs/each optic	1.3 co/im 1	9 ⁴
Light colour/type	White	
Required components:	WING	
		220
		Simulated from photometric data 25% of 25%
		Light distribution files
		Light distribution files

Last update: 24/01/2025Subject to change without prior noticePublished: 07/07/2020LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.17/28

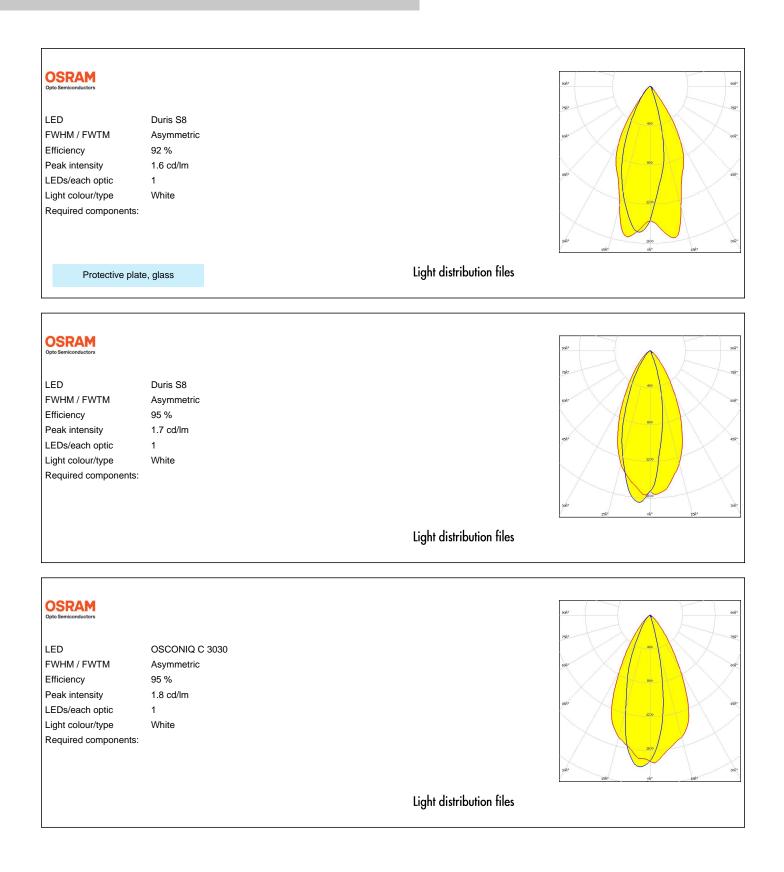


	US	20'
LED	SST-36F-W	37
FWHM / FWTM	Asymmetric	60°
Efficiency	88 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	⁶
Light colour/type	White	
Required components:		
		74
Protective pla	te, glass	Light distribution files
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Protective pla	SST-70X-WCS Asymmetric 87 % 1.3 cd/lm 1 White	Light distribution files
	US	ser estat
LED	SST-70X-WCS	
ED FWHM / FWTM	Asymmetric	5Å* 40
Efficiency	95 %	
Peak intensity	1.4 cd/lm	
_EDs/each optic	1	55 · · · · · · · · · · · · · · · · · ·
Light colour/type	White	
Light coloui/type		- 109
Required components:		300 vel do vel

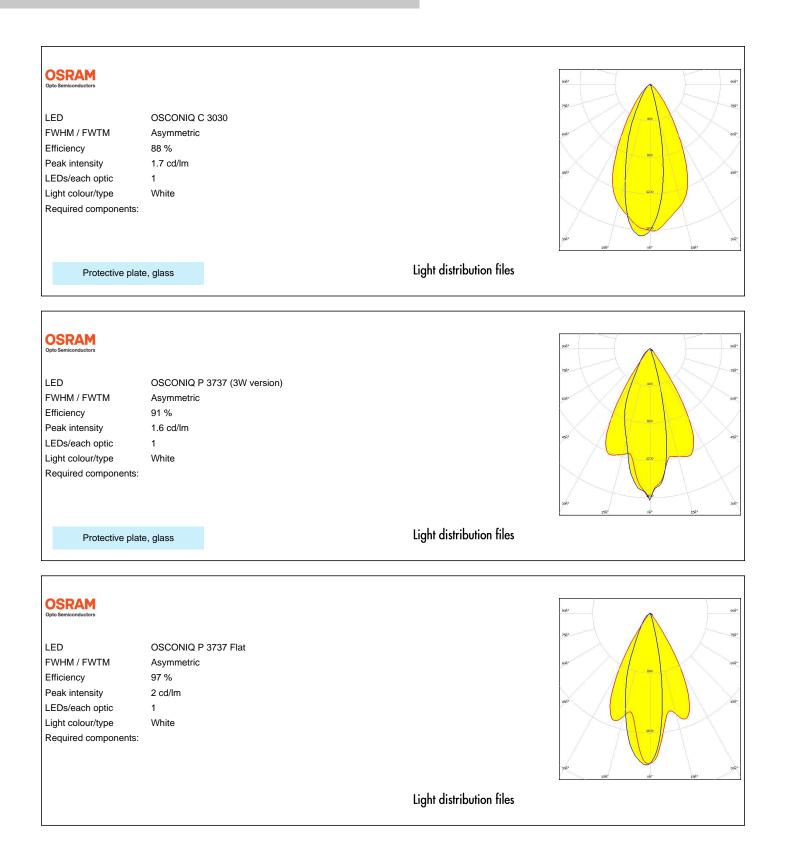








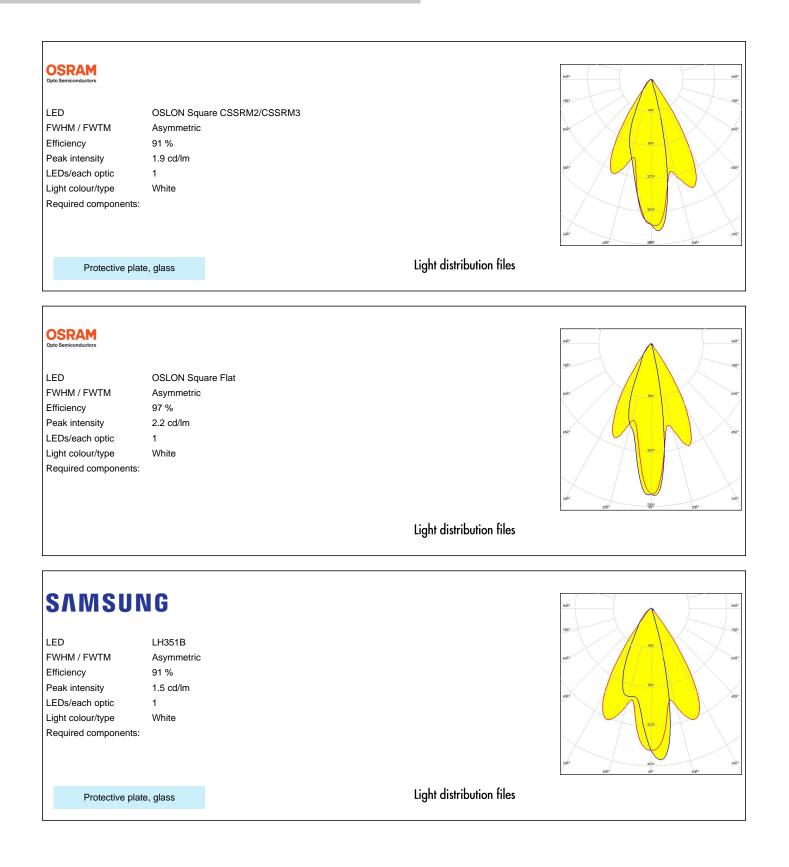






Opto Semiconductors	OSCONIQ S 5050 Asymmetric 95 % 1.7 cd/lm 1 White		1964
		Light distribution files	
OCSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Protective plate	OSCONIQ S 5050 Asymmetric 88 % 1.6 cd/lm 1 White	Light distribution files	94° 758° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	OSLON Square CSSRM2/CSSRM3 Asymmetric 96 % 2 cd/lm 1 White	Light distribution files	242 738 740 740 740 740 740 740 740 740 740 740





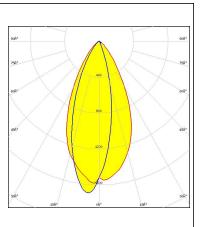


SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LH351C Asymmetric 92 % 1.5 cd/lm 1 White	
Protective plat	e, glass	Light distribution files
SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Protective plat	LH351D Asymmetric 91 % 1.3 cd/lm 1 White	Light distribution files
SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LH351D Asymmetric 93 % 1.2 cd/lm 1 White	Light distribution files

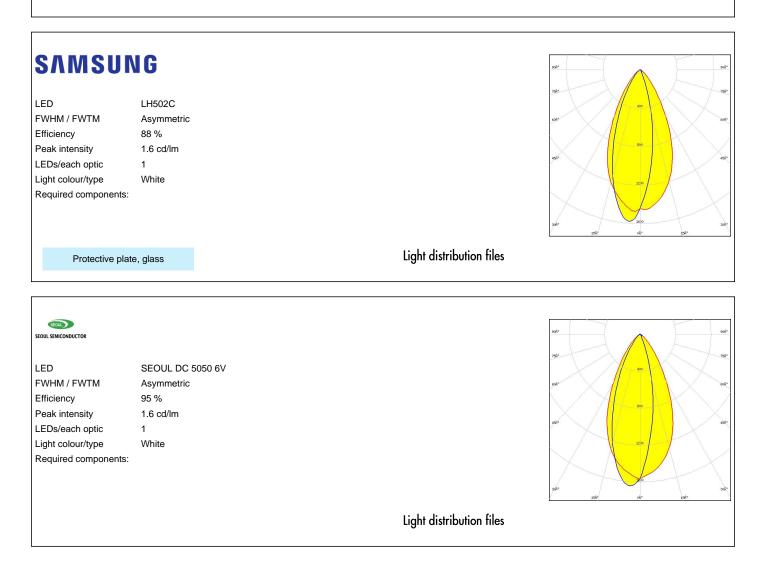


SAMSUNG

LED	LH502C
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files





SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z5M3 Asymmetric 91 % 1.7 cd/lm 1 White	
Protective plate	e, glass	Light distribution files
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z5M4 Asymmetric 95 % 1.6 cd/lm 1 White	Light distribution files
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z5M5 Asymmetric 95 % 1.7 cd/lm 1 White	Light distribution files



SEOUL SEMICONDUCTOR		
LED	Z5M5	
FWHM / FWTM	Asymmetric	6.8*
Efficiency	90 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	sati
Light colour/type	White	1200
Required components	::	
Protective pl	ate, glass	Light distribution files



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 7 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 Poznan, Poland Hong Kong, China

Distribution Partners www.ledil.com/ where_to_buy

Last update: 24/01/2025Subject to change without prior noticePublished: 07/07/2020LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.28/28

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Ledil:

C17414_SPORT-2X2-S6