

# PRODUCT DATASHEET FN14720\_STELLA-FRESNEL

## STELLA-FRESNEL

~25° beam for warehouse and outdoor lighting. Compatible with up to 30 mm LES size COBs. Variant with black frame.

### **SPECIFICATION:**

Dimensions	Ø 90.0 mm
Height	23 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



#### **MATERIALS:**

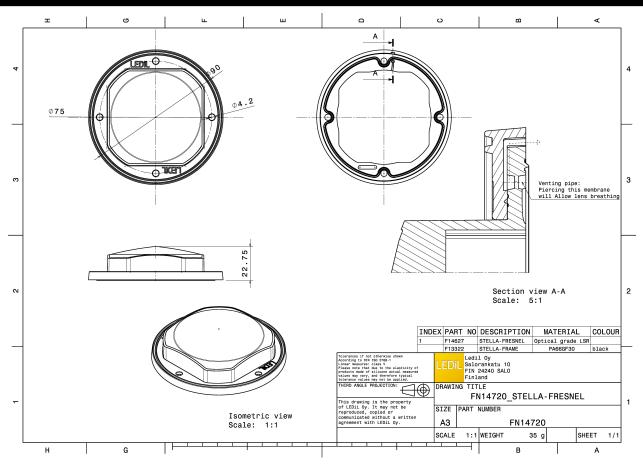
Component	Туре	Material	Colour	Finish	Length (mm)
STELLA-FRESNEL	Single lens	Silicone	clear		
STELLA-FRAME	Holder	PA66	black		

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN14720_STELLA-FRESNEL	Single lens	135	135	15	6.1
» Box size: 480 x 280 x 300 mm					



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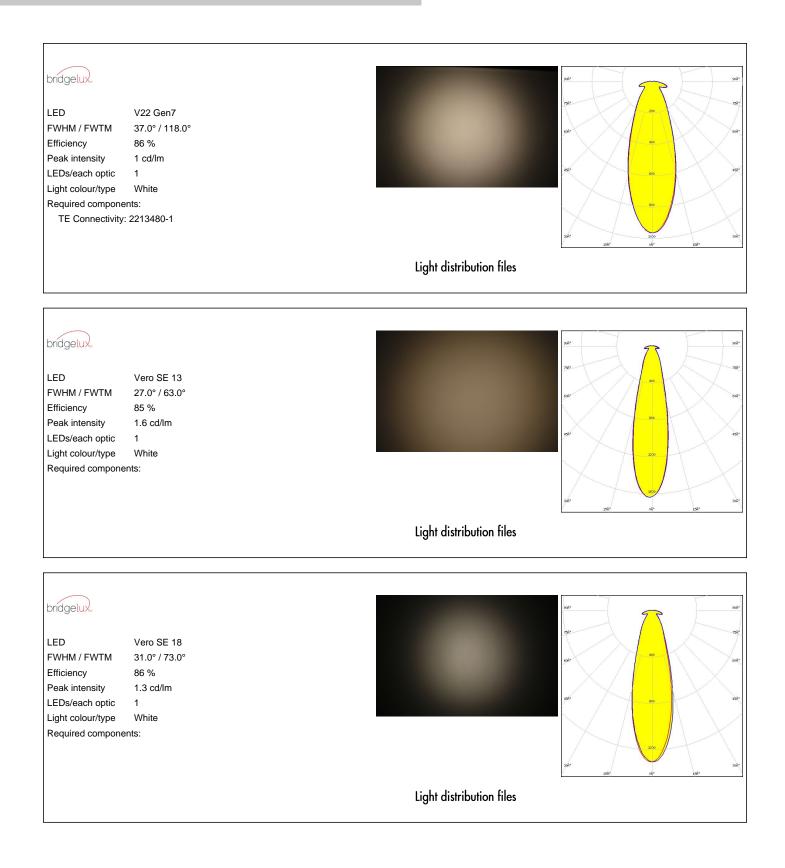


See also our general installation guide: <u>www.ledil.com/installation\_guide</u>



V18 Gen7 32.0° / 77.0° 84 % 1.2 cd/lm 1 White nts: 0			Light distribution files	964* 965* 965*
			Light distribution files	
V18 Gen7 32.0° / 77.0° 85 % 1.2 cd/lm 1 White nts: 9 Typ L3			Light distribution files	90 <sup>0</sup> 90 <sup>0</sup>
V22 Gen7 36.0° / 118.0° 84 % 1 cd/lm 1 White nts: 1 Typ Z1				960 960   960 960   960 960   960 960   960 960   960 960   960 960   960 960   960 960   960 960   960 960   960 960   960 960   960 960
			Light distribution files	
	32.0° / 77.0° 84 % 1.2 cd/lm 1 White hts: D V18 Gen7 32.0° / 77.0° 85 % 1.2 cd/lm 1 White hts: 9 Typ L3 V22 Gen7 36.0° / 118.0° 84 % 1 cd/lm 1 White hts:	32.0° / 77.0° 84 % 1.2 cd/lm 1 White ths: D V18 Gen7 32.0° / 77.0° 85 % 1.2 cd/lm 1 White ths: 9 Typ L3 V22 Gen7 36.0° / 118.0° 84 % 1 cd/lm 1 White ths: 9 Typ L3	32.0° / 77.0° 84 % 1.2 cd/m 1 White tts: 0 V18 Gen7 32.0° / 77.0° 85 % 1.2 cd/m 1 White tts: 9 Typ L3 V22 Gen7 36.0° / 118.0° 84 % 1 cd/m 1 White tts: 1 Typ Z1	32.0° / 77.0° 84 % 1.2 cd/m 1 White 135: D Uight distribution files Uight distribution files





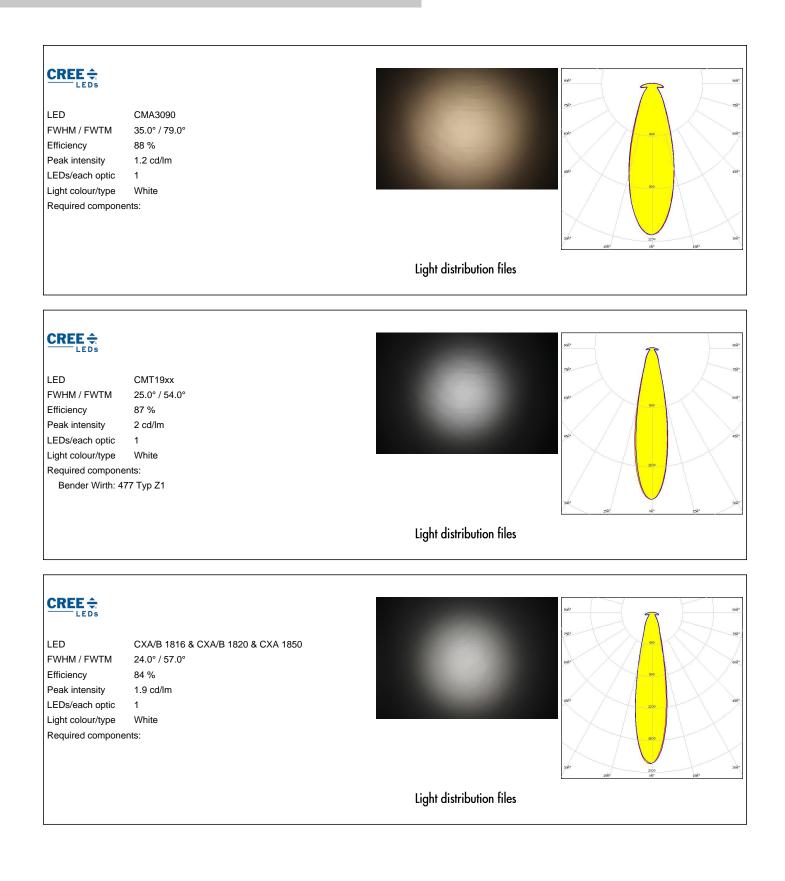


LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	Vero SE 29 46.0° / 161.0° 87 % 0.7 cd/lm 1 White ents:	
		Light distribution files
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	VERO13 26.0° / 62.0° 84 % 1.6 cd/lm 1 White ents:	Light distribution files
bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	VERO18 31.0° / 75.0° 85 % 1.2 cd/lm 1 White ents:	
		Light distribution files

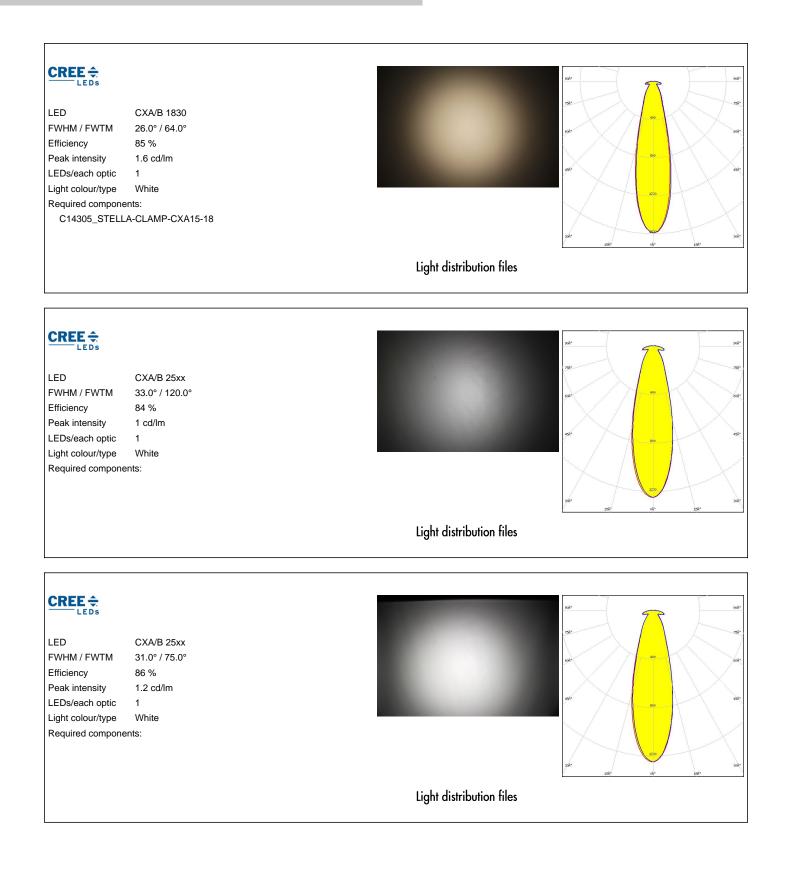


bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	VERO29 48.0° / 165.0° 87 % 0.7 cd/lm 1 White ents:	Light distribution files
		Light distribution files
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	CLL04x/CLU04x 36.0° / 99.0° 86 % 1.1 cd/lm 1 White	Light distribution files
CREE S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	CMA2550 30.0° / 67.0° 86 % 1.5 cd/lm 1 White ents:	
		15% <sup>100</sup> / <sub>15</sub> % 15%

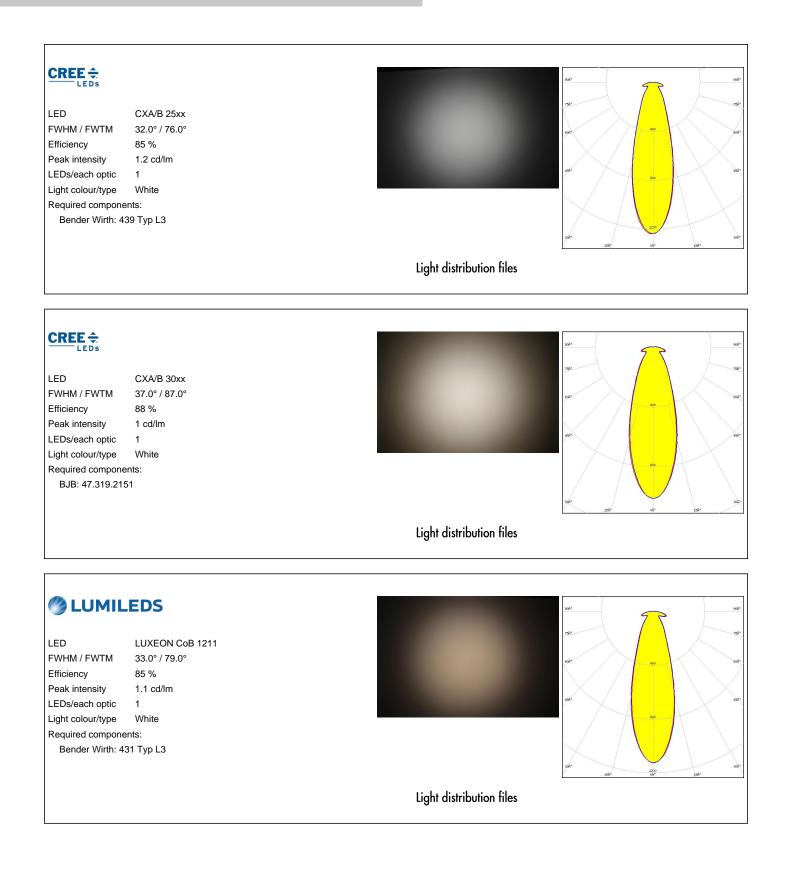




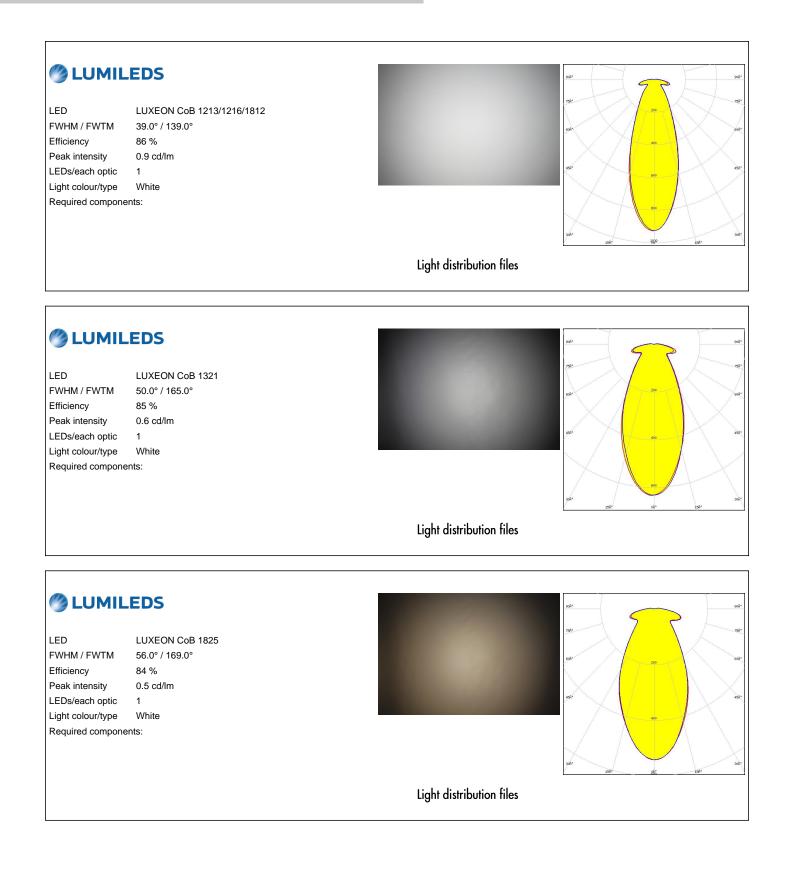




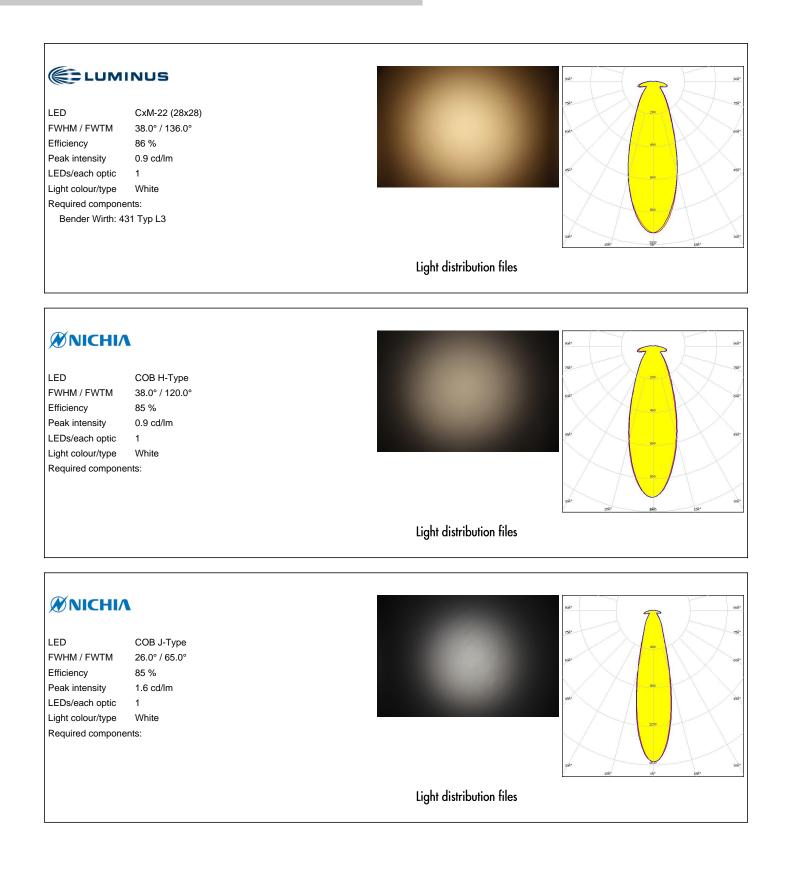




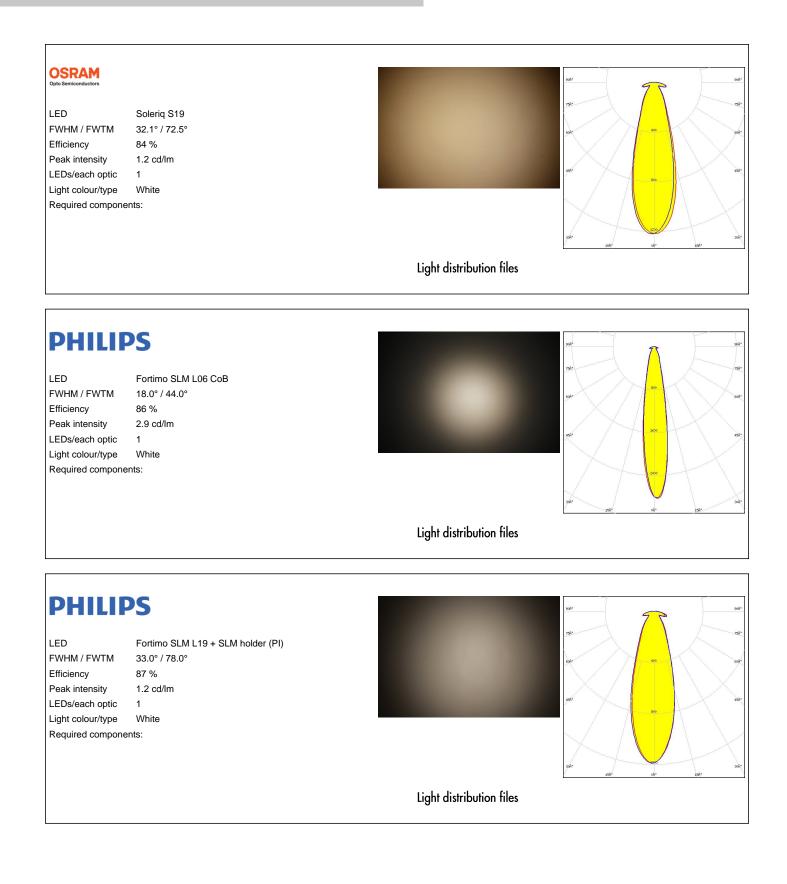






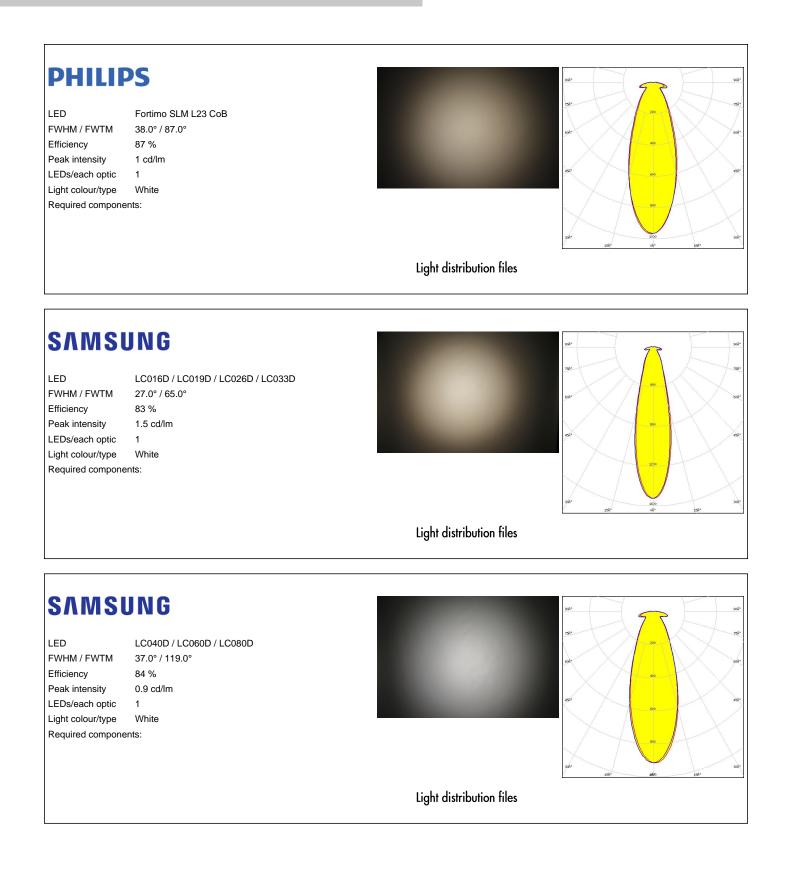






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SEOUL SEOUL SEMICONDUCTOR		98 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone IDEAL: 50-2103		
		Light distribution files
SEOUL SEMICONDUCTOR		set.
LED	MJT COB LES 22	
FWHM / FWTM	36.0° / 118.0° 84 %	
Efficiency Peak intensity	04 % 1 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required compone IDEAL: 50-2204	nts:	
		Light distribution files
SEOUL		
SEOUL SEMICONDUCTOR		94Y 73t
LED	MJT COB LES 22	200
FWHM / FWTM	36.0° / 118.0°	ester and the second
Efficiency	84 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required compone IDEAL: 50-2204		

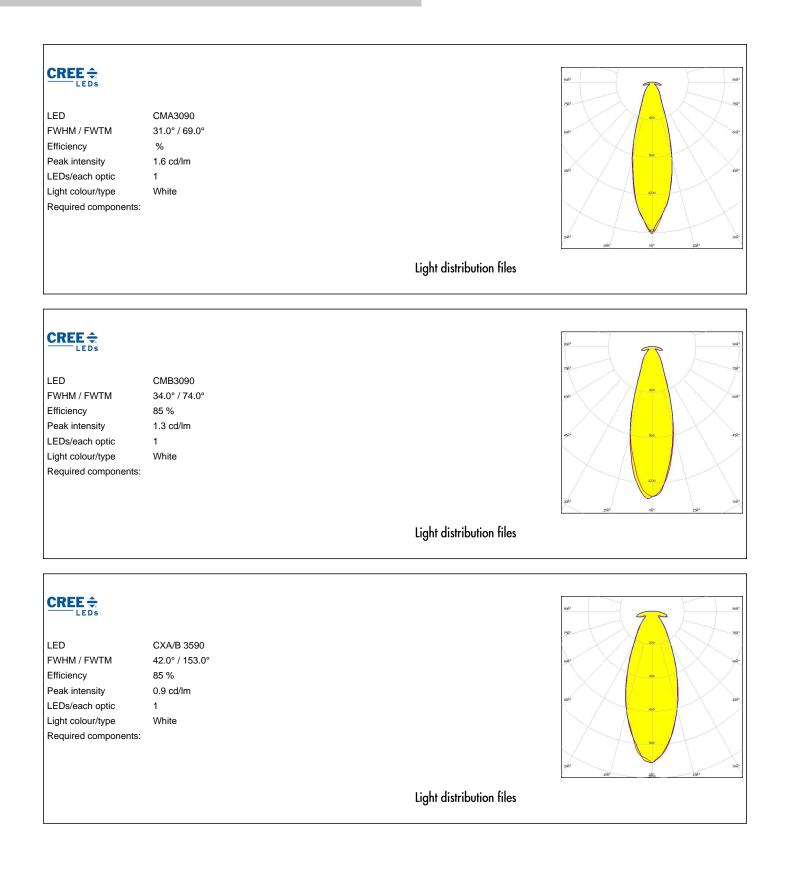


bridgelux,			50 <sup>2</sup> 50 <sup>2</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Bender Wirth: 486 Typ	V10 Gen7 18.0° / 35.0° 85 % 4 cd/lm 1 White	Light distribution files	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	V13 Gen7 20.0° / 90.0° 86 % 0.4 cd/lm 1 White	Light distribution files	364* 364*   355* 356*   356* 356*   356* 356*   356* 356*   356* 356*
		Light distribution mes	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	V22 Gen7 30.0° / 70.0° 84 % 0.5 cd/lm 1 White		94 <sup>4</sup> 95 <sup>4</sup> 9
IDEAL: 50-2204CT		Light distribution files	2084 of• 204*

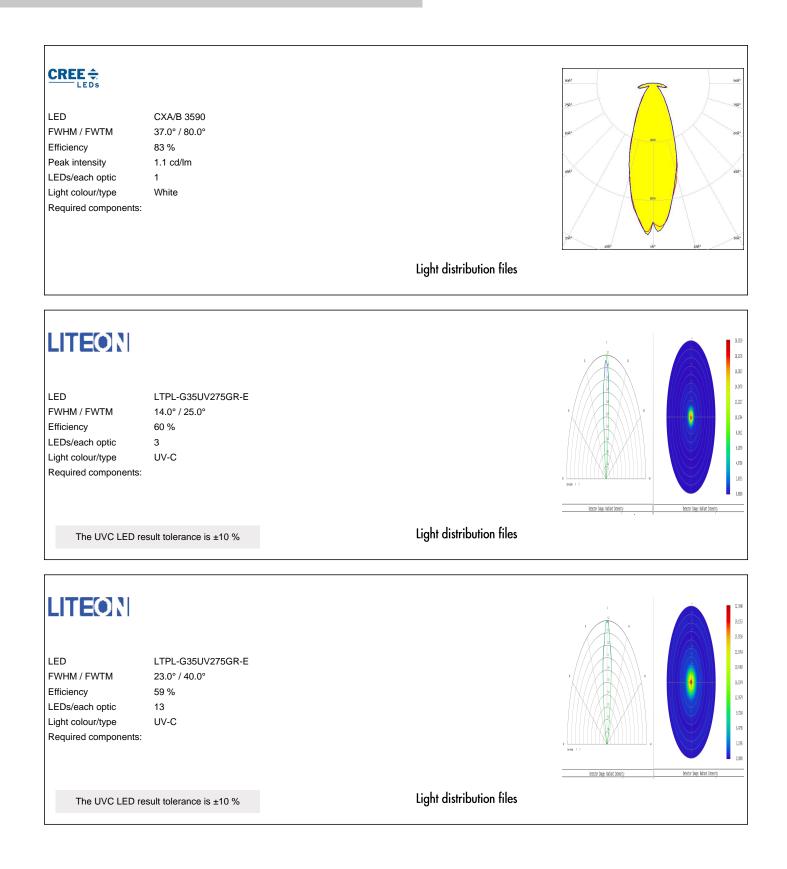


		Light distribution files	
CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	CLL05x/CLU05x 46.0° / 144.0° 91 % 0.8 cd/lm 1 White		94 <sup>4</sup> 75 <sup>1</sup> 66 <sup>4</sup> 51 <sup>2</sup> 66 <sup>4</sup> 66 <sup>4</sup> 6
		Light distribution files	alt <u>a</u> t
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	CLL02x/CLU02x (LES10) 17.0° / 35.0° 86 % 4 cd/lm 1 White		56 <sup>4</sup> 500 60 <sup>4</sup>
CITIZEN			×
Bender Wirth: 483 Ty	p Z1	Light distribution files	siler for the
Light colour/type Required components:	White		309
Peak intensity LEDs/each optic	1.8 cd/lm 1		5Å*
LED FWHM / FWTM Efficiency	Vesta TW 18mm (31W) DP 28.0° / 60.0° 84 %		751
bridgelux.			908*

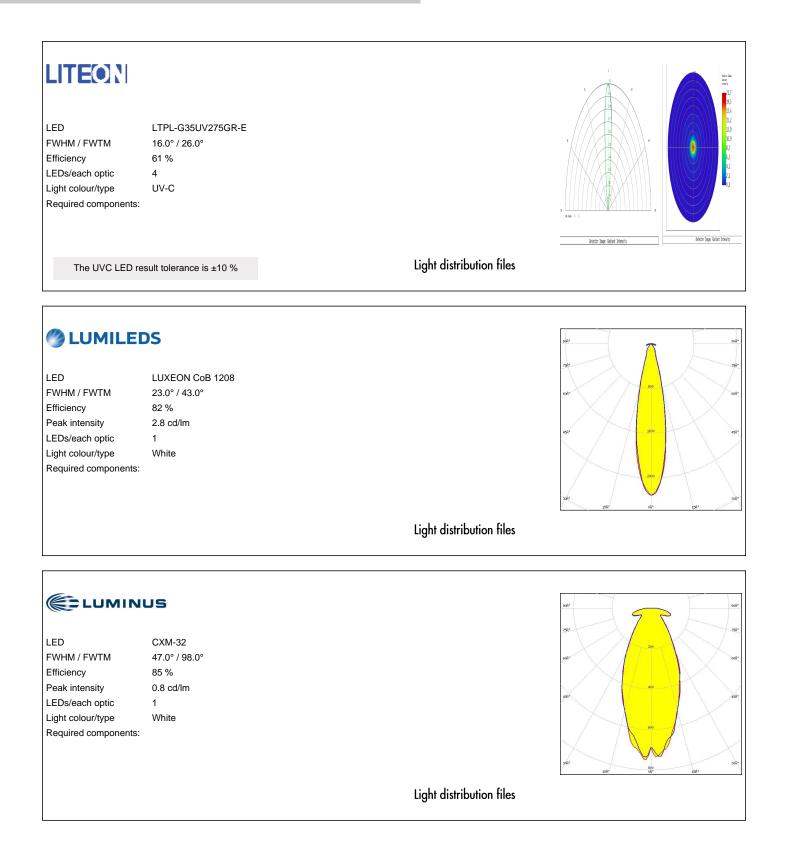




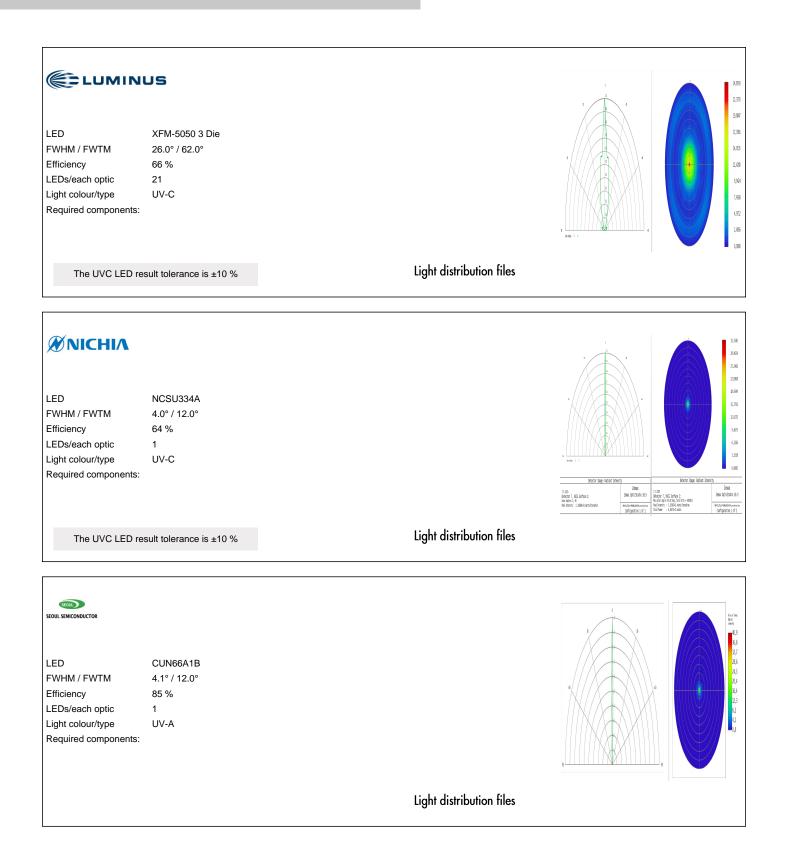














SEOUL SEMICONDUCTOR			
LED	CUN66B1B		18,7 5,3
FWHM / FWTM	4.3° / 13.0°		HAD THE PARTY OF T
Efficiency	83 %		
LEDs/each optic	1		
Light colour/type	UV-A		2.3
Required components:			
		Light distribution files	
SEUCE SEMICONDUCTOR			a a a a a a a a a a a a a a a a a a a
			R,0 8,3
LED	WICOP DY9560-27		*
FWHM / FWTM	15.0° / 26.0°		0,0 3,5
Efficiency	63 %		0.9 11,5
LEDs/each optic	24		
Light colour/type	UV-C		
Required components:			₽-1Q-8 bittorr lage; kalzet loweity Detetorr lage: kalzet literrity
			lonc 1.320 long for the second
The UVC LED re	esult tolerance is $\pm 10$ %	Light distribution files	
TRIDONI	С		90%* 5
			784
	SLE 13mm 3000lm xxx R ADV8		745
LED FWHM / FWTM	SLE 13mm 3000lm xxx R ADV8 21.0° / 38.0°		
LED FWHM / FWTM Efficiency	SLE 13mm 3000lm xxx R ADV8 21.0° / 38.0° 86 %		745
LED FWHM / FWTM Efficiency Peak intensity	SLE 13mm 3000lm xxx R ADV8 21.0° / 38.0° 86 % 3.2 cd/lm		7317 6317
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SLE 13mm 3000lm xxx R ADV8 21.0° / 38.0° 86 % 3.2 cd/lm 1		751 est 550
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	SLE 13mm 3000lm xxx R ADV8 21.0° / 38.0° 86 % 3.2 cd/lm		90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SLE 13mm 3000lm xxx R ADV8 21.0° / 38.0° 86 % 3.2 cd/lm 1		751 est 550

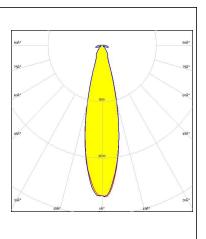


# TRIDONIC

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

Bender Wirth: 431 Typ Z1

SLE 17mm 5000lm xxx R ADV8 26.0° / 49.0° 86 % 2.2 cd/lm 1 White



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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

#### **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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