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.

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

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

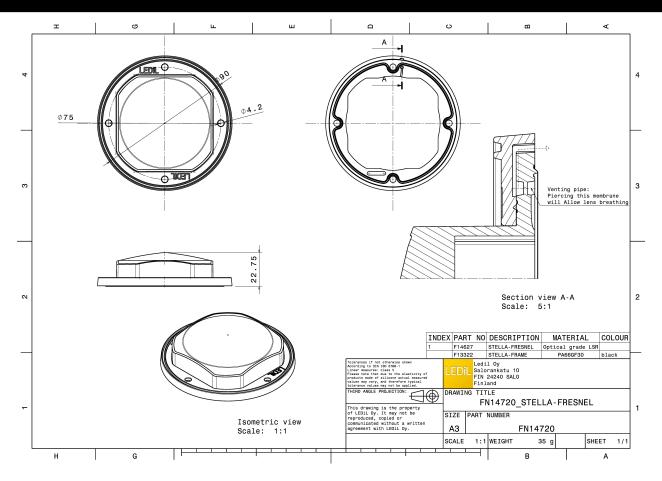
ORDERING INFORMATION:

» Box size: 480 x 280 x 300 mm

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN14720_STELLA-FRESNEL	Single lens	80	80	10	4.0

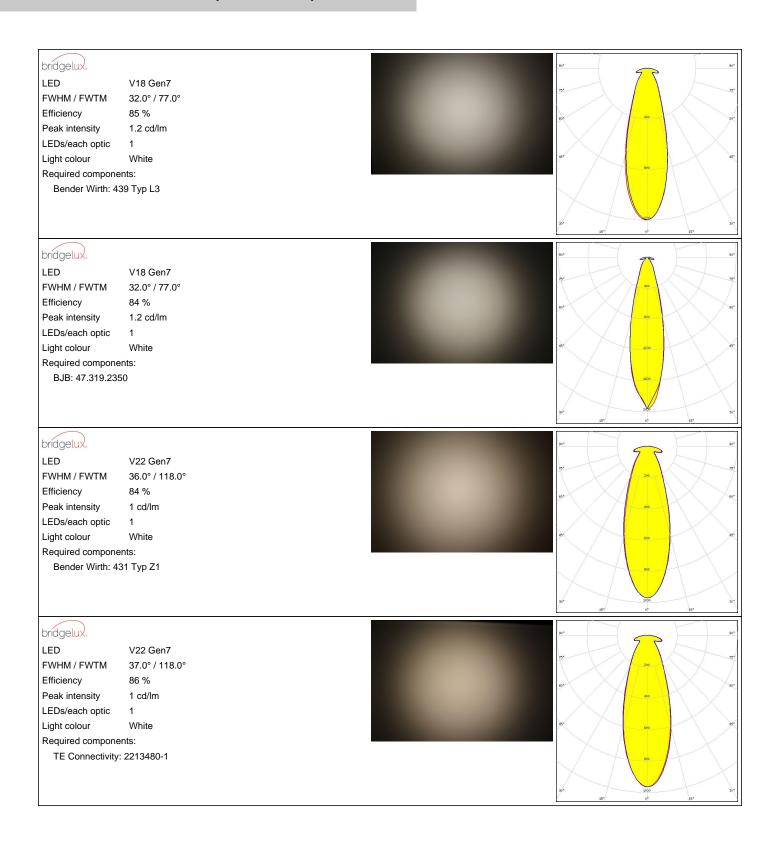


PRODUCT DATASHEET FN14720_STELLA-FRESNEL

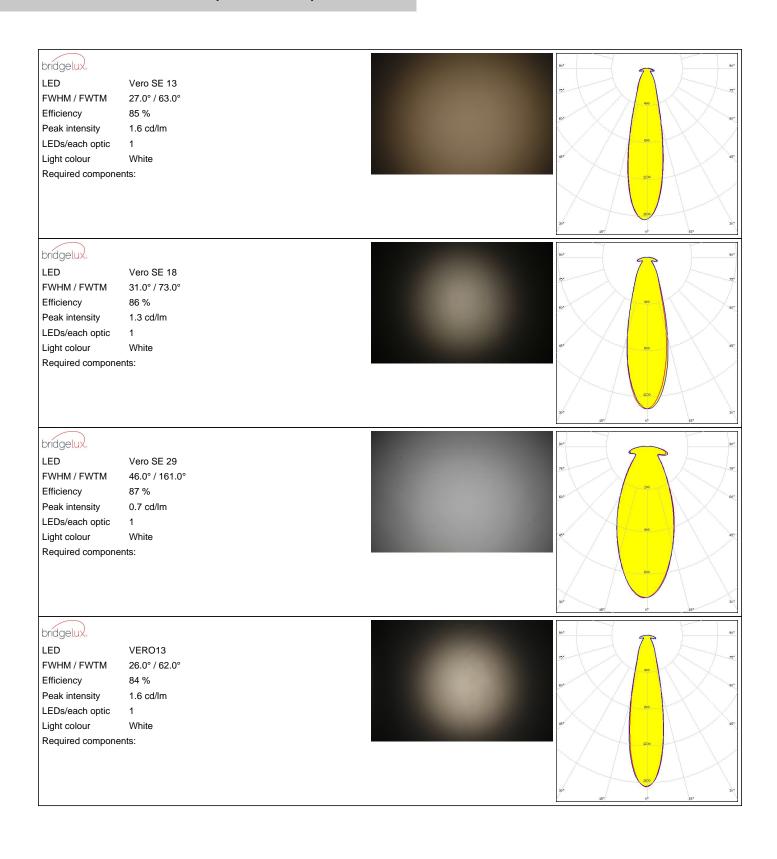


See also our general installation guide: www.ledil.com/installation_guide

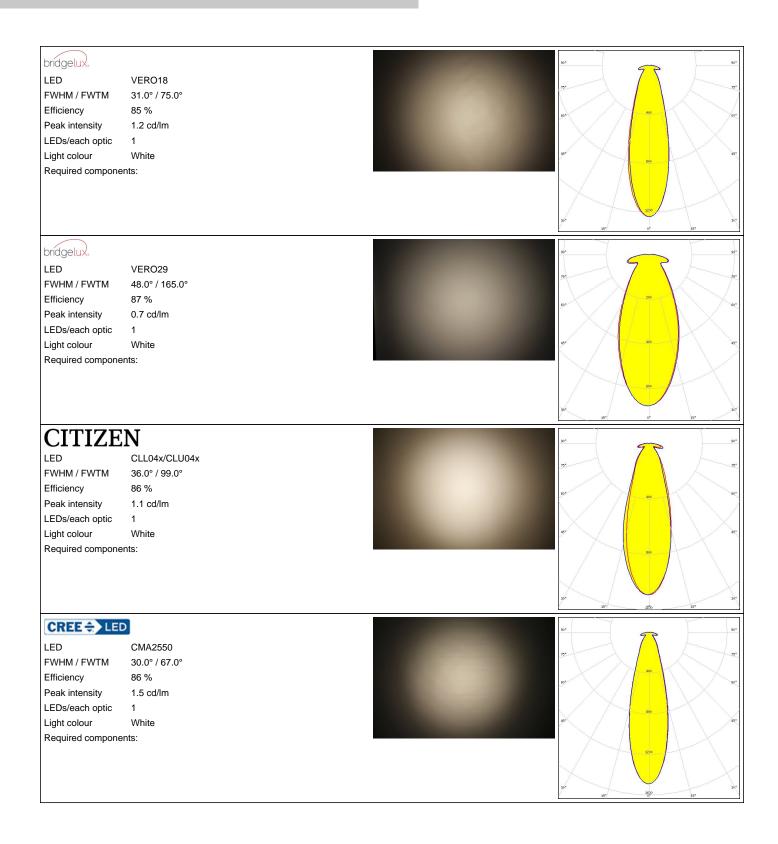




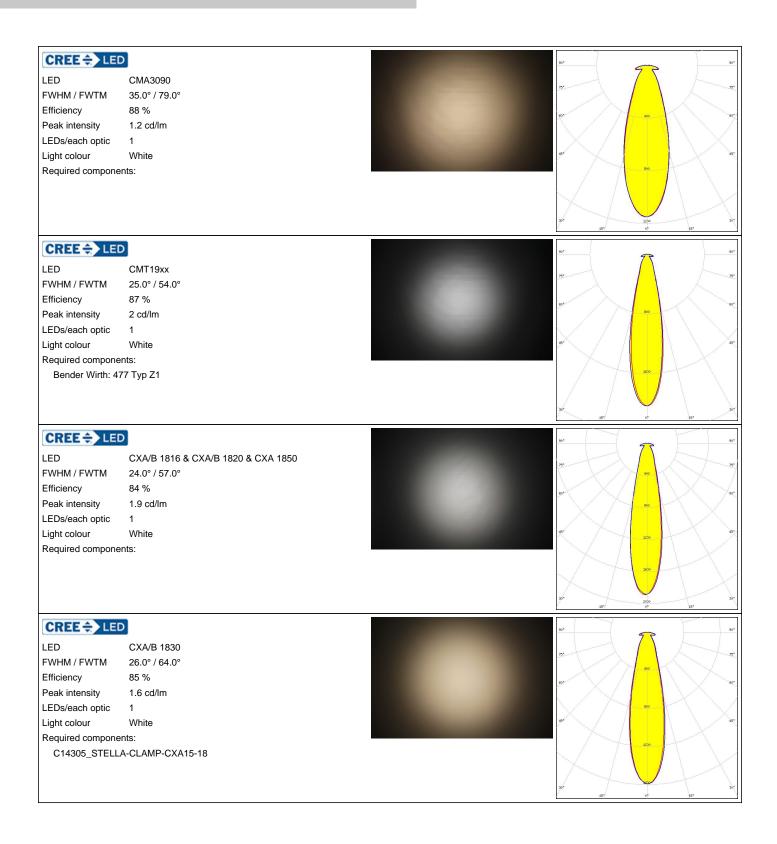




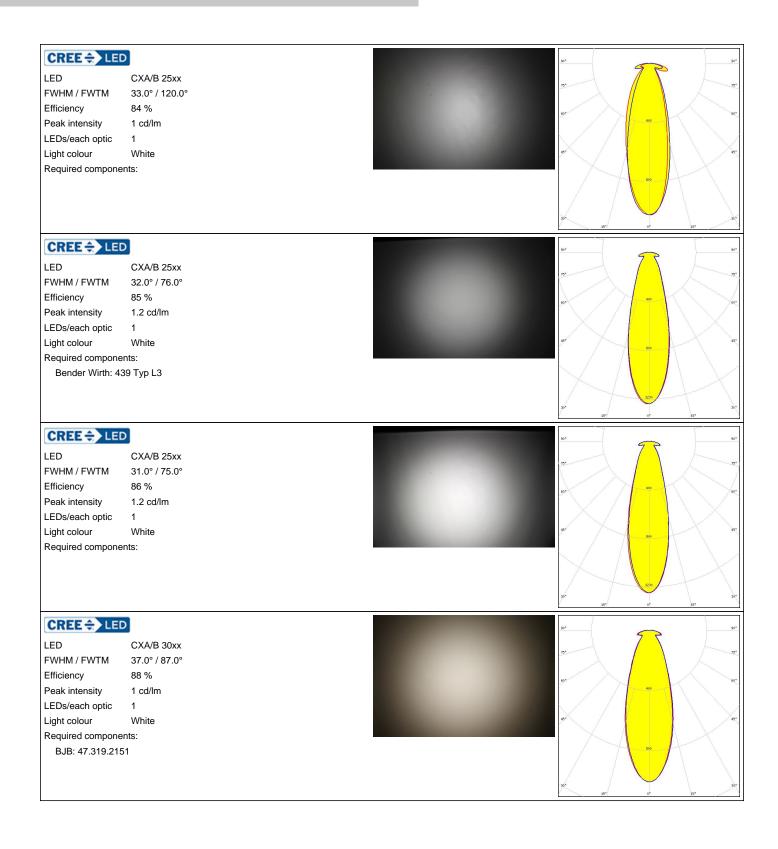




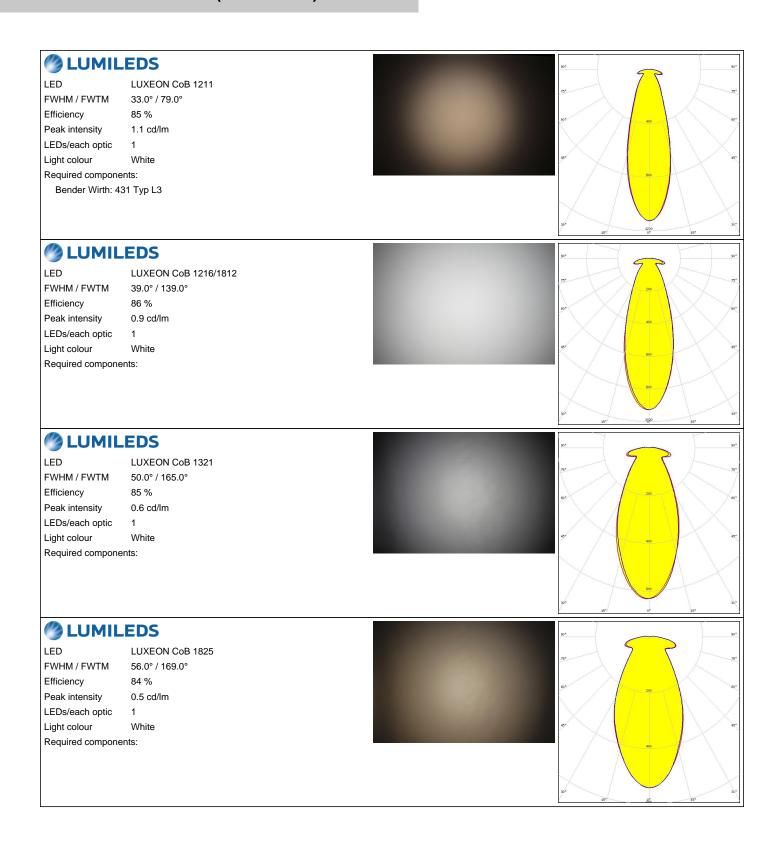




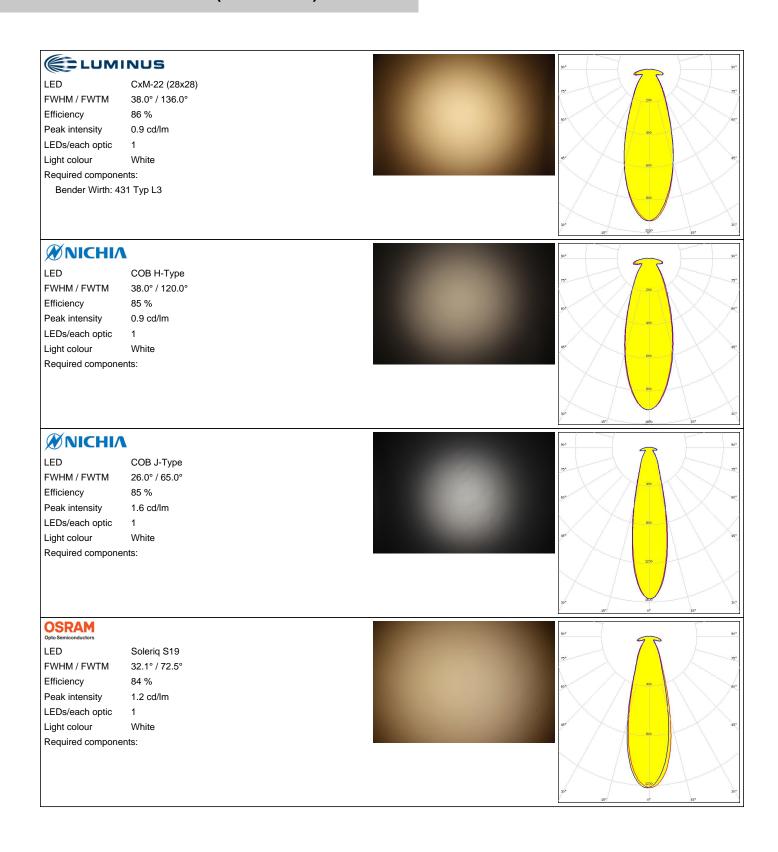










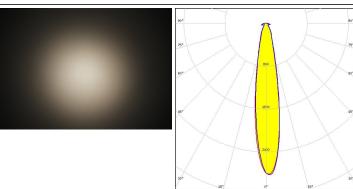




PHILIPS

LED Fortimo SLM L06 CoB

FWHM / FWTM 18.0° / 44.0°
Efficiency 86 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White

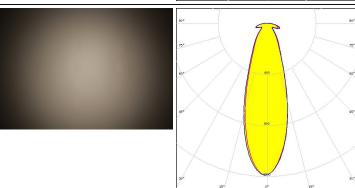


PHILIPS

Required components:

LED Fortimo SLM L19 + SLM holder (PI)

FWHM / FWTM 33.0° / 78.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

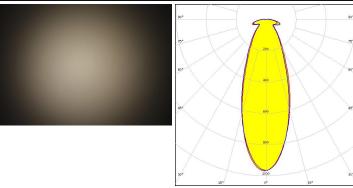


PHILIPS

LED Fortimo SLM L23 CoB

FWHM / FWTM 38.0° / 87.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White

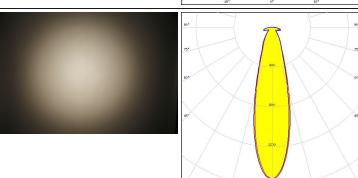
Required components:



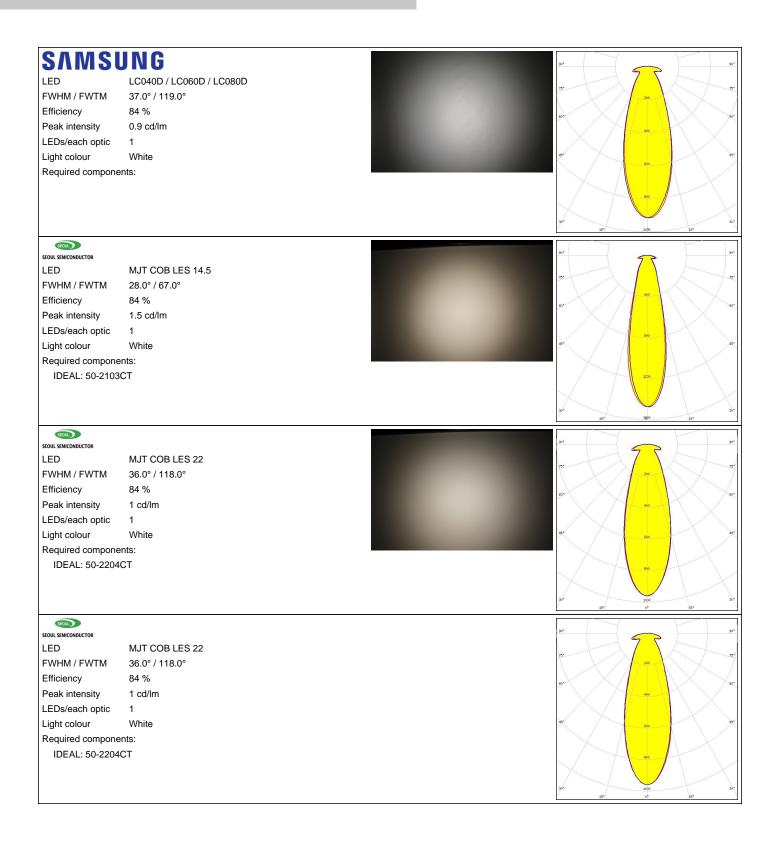
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 27.0° / 65.0°
Efficiency 83 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:









PHOTOMETRIC DATA (SIMULATED):

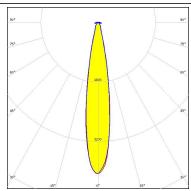


LED V10 Gen7 FWHM / FWTM 18.0° / 35.0°

Efficiency 85 % Peak intensity 4 cd/lm

LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 486 Typ L1



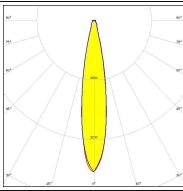
bridgelux

LED V13 Gen7 FWHM / FWTM 20.0° / 90.0°

Efficiency 86 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1

White

Required components:



bridgelux

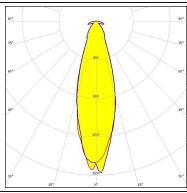
Light colour

LED V22 Gen7 FWHM / FWTM 30.0° / 70.0°

Efficiency 84 %
Peak intensity 0.5 cd/lm

LEDs/each optic 1
Light colour White

Required components: IDEAL: 50-2204CT

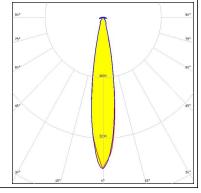


CITIZEN

Required components:

LED CLL02x/CLU02x (LES10)

FWHM / FWTM 17.0° / 35.0°
Efficiency 86 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White



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PHOTOMETRIC DATA (SIMULATED):

CITIZEN

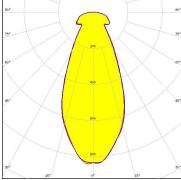
LED CLL05x/CLU05x

FWHM / FWTM 46.0° / 144.0° Efficiency 91 %

Efficiency 91 %
Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White



CREE & LED

Required components:

LED CXA/B 3590

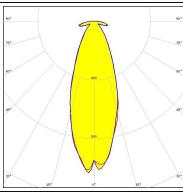
FWHM / FWTM 37.0° / 80.0° Efficiency 83 %

Peak intensity 1.1 cd/lm

LEDs/each optic 1

Light colour White

Required components:



LITEON

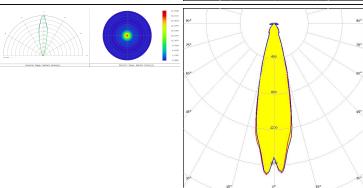
LED LTPL-G35UV275GR-E

FWHM / FWTM 23.0° / 40.0°

Efficiency 59 % LEDs/each optic 13

Light colour UV-C Required components:

The UVC LED result tolerance is ±10 %



LITEON

LED LTPL-G35UV275GR-E

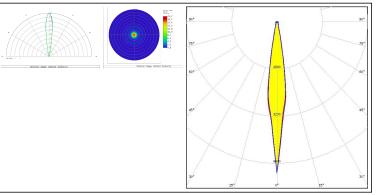
FWHM / FWTM 16.0° / 26.0°

Efficiency 61 % LEDs/each optic 4

Light colour UV-C

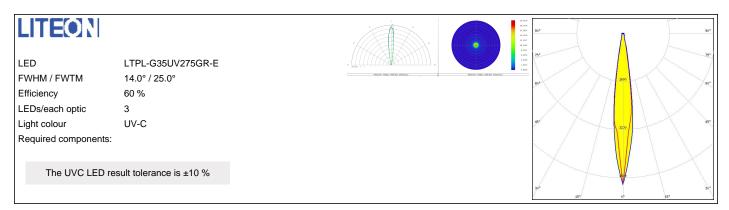
Required components:

The UVC LED result tolerance is ±10 %



PRODUCT DATASHEET FN14720_STELLA-FRESNEL

PHOTOMETRIC DATA (SIMULATED):

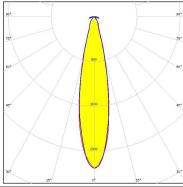


MUMILEDS

LED LUXEON CoB 1208

FWHM / FWTM 23.0° / 43.0°
Efficiency 82 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:

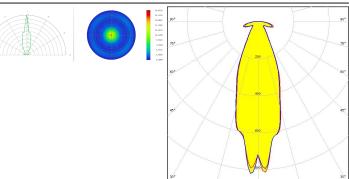


ELUMINUS

LED XFM-5050 3 Die FWHM / FWTM 26.0° / 62.0°

Efficiency 66 %
LEDs/each optic 21
Light colour UV-C
Required components:

The UVC LED result tolerance is ±10 %

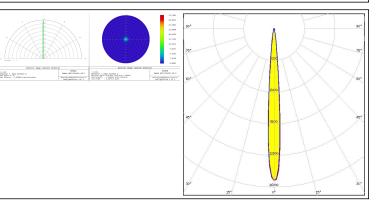




LED NCSU334A
FWHM / FWTM 4.0° / 12.0°
Efficiency 64 %
LEDs/each optic 1
Light colour UV-C

Required components:

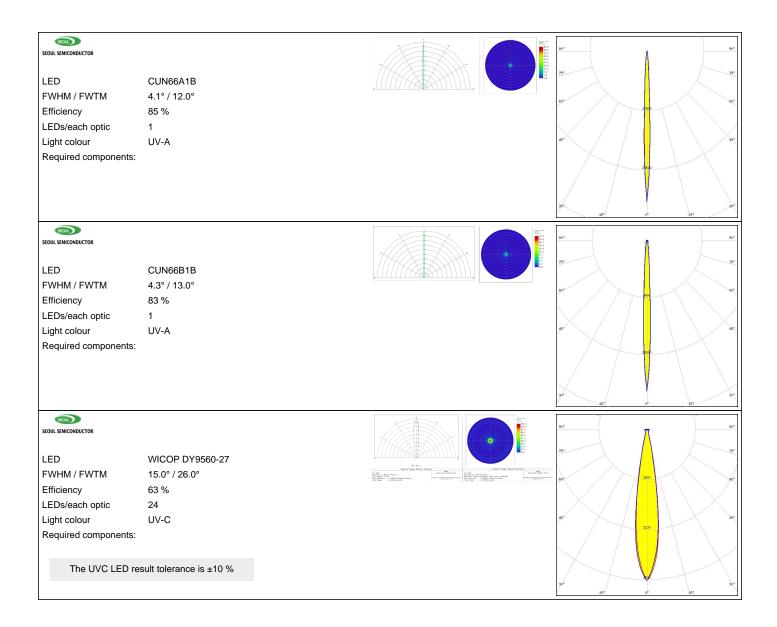
The UVC LED result tolerance is ±10 %



Published: 12/09/2018



PHOTOMETRIC DATA (SIMULATED):





PRODUCT DATASHEET FN14720_STELLA-FRESNEL

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.

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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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