

## VIOLETTA-S

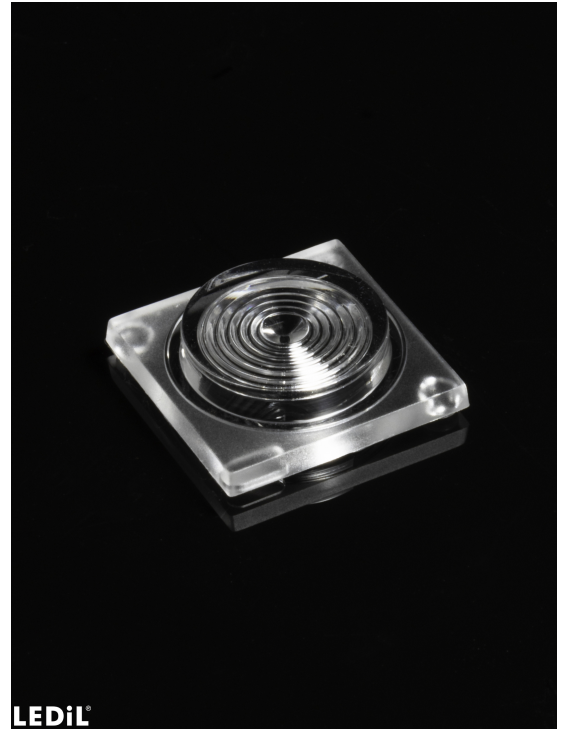
~15° spot beam

### SPECIFICATION:

Dimensions	21.7 x 21.7 mm
Height	6.6 mm
Fastening	pin
ROHS compliant	yes ⓘ

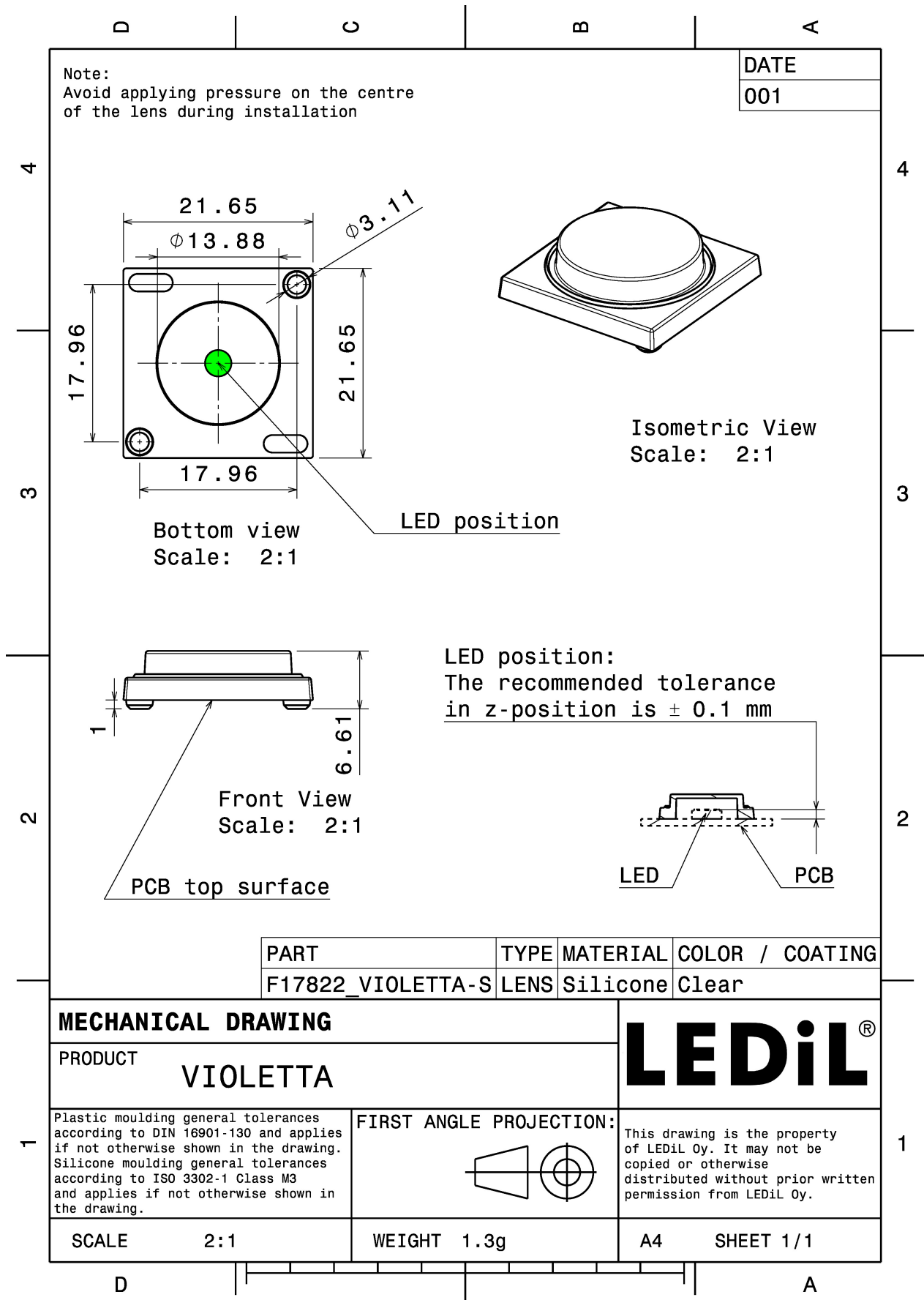
### MATERIALS:

Component	Type	Material	Colour	Finish	Length
VIOLETTA-S	Single lens	Silicone	clear	gloss	21.7



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F17822_VIOLETTA-S » Box size: 485 x 280 x 100 mm	1620	270	135	3.5



See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



LED Bolb UV-C 6060 SMD  
FWHM / FWTM 20.0° / 41.0°  
Efficiency 56 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %

[Light distribution files](#)

[LDC linear pdf](#)



LED CLH-N3S  
FWHM / FWTM 19.0° / 45.0°  
Efficiency 73 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %





LED KL265-50V-SM-WD  
FWHM / FWTM 15.0° / 32.0°  
Efficiency 52 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:


The UVC LED result tolerance is  $\pm 10$  %

[Light distribution files](#)

#### OPTICAL RESULTS (MEASURED):

	
LED	S3535-DR100-W272-P40
FWHM / FWTM	21.0° / 35.0°
Efficiency	72 %
LEDs/each optic	1
Light colour/type	UV-C
Required components:	
The UVC LED result tolerance is $\pm 10$ %	
<a href="#">Light distribution files</a>	

	
LED	XFM-5050 2 Die
FWHM / FWTM	29.0° / 53.0°
Efficiency	56 %
LEDs/each optic	1
Light colour/type	UV-C
Required components:	
The UVC LED result tolerance is $\pm 10$ %	
<a href="#">Light distribution files</a>	

	
LED	XFM-5050 3 Die
FWHM / FWTM	24.0° / 55.0°
Efficiency	73 %
LEDs/each optic	1
Light colour/type	UV-C
Required components:	
The UVC LED result tolerance is $\pm 10$ %	
<a href="#">Light distribution files</a>	

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSLON UV 3636 (SU CULBN1.VC)  
FWHM / FWTM 10.0° / 21.0°  
Efficiency 67 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %

[Light distribution files](#)

**OSRAM**  
Opto Semiconductors

LED OSLON UV 3636 (SU CULDN1.VC)  
FWHM / FWTM 16.0° / 35.0°  
Efficiency 70 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %

[Light distribution files](#)

**OSRAM**  
Opto Semiconductors

LED OSLON UV 6060 (SU CZHEF1.VC)  
FWHM / FWTM 20.0° / 35.0°  
Efficiency 61 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %

[Light distribution files](#)

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSLON UV 6060 (SU CZHPF1.VC)  
FWHM / FWTM 20.0° / 41.0°  
Efficiency 66 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %

[Light distribution files](#)

## SAMSUNG

LED UV351A  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 64 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %

[Light distribution files](#)

## SAMSUNG

LED UV351B  
FWHM / FWTM 10.0° / 24.0°  
Efficiency 64 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %

[Light distribution files](#)

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

LED UV352B  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 63 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %

[Light distribution files](#)

### SAMSUNG

LED UV353B  
FWHM / FWTM 14.0° / 31.0°  
Efficiency 63 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %

[Light distribution files](#)



LED ZEUBE265 Series  
FWHM / FWTM 22.0° / 45.0°  
Efficiency 60 %  
LEDs/each optic 1  
Light colour/type UV-C  
Required components:

The UVC LED result tolerance is  $\pm 10$  %

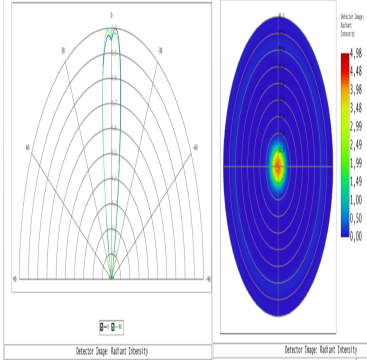
[Light distribution files](#)

### OPTICAL RESULTS (SIMULATED):

**BOLB**

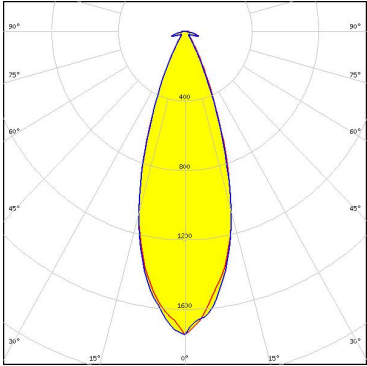
LED	Bolb UV-C 6060 SMD
FWHM / FWTM	20.0° / 33.0°
Efficiency	72 %
LEDs/each optic	1
Light colour/type	UV-C
Required components:	

The UVC LED result tolerance is ±10 %



**bridgelux**

LED	Bridgelux SMD 5050
FWHM / FWTM	35.0° / 60.0°
Efficiency	89 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

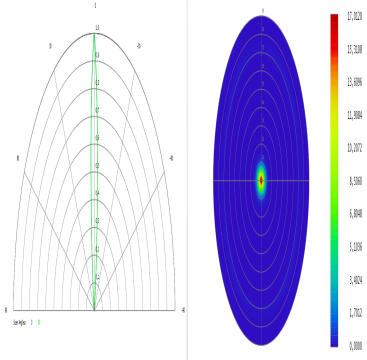


Light distribution files

**LUMINUS**

LED	XBT-1313
FWHM / FWTM	9.4° / 19.0°
Efficiency	78 %
LEDs/each optic	1
Light colour/type	UV-C
Required components:	

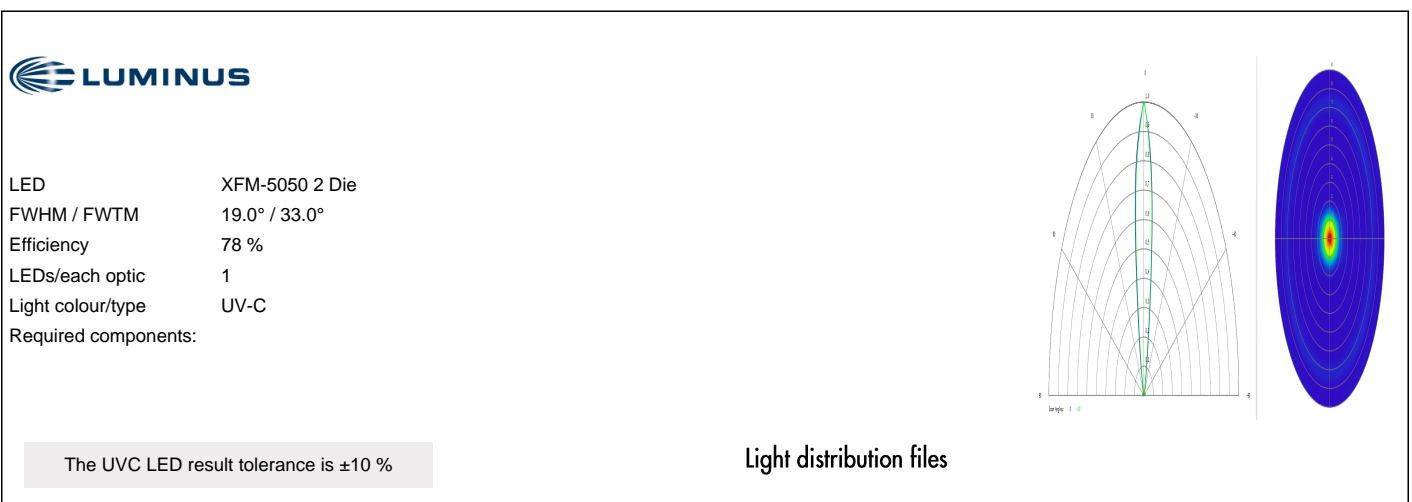
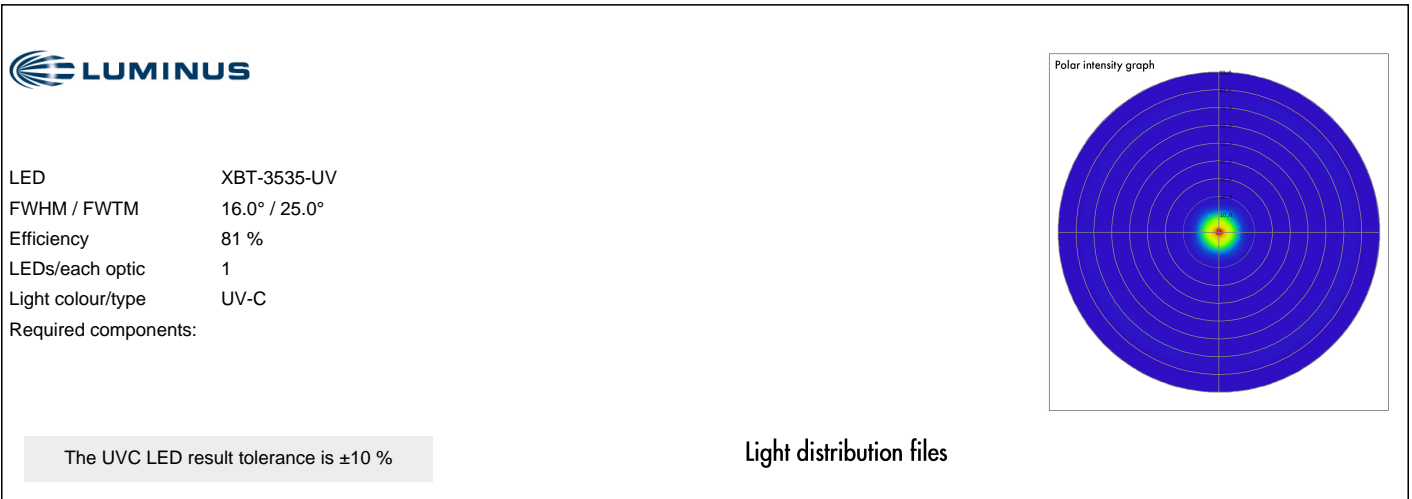
The UVC LED result tolerance is ±10 %



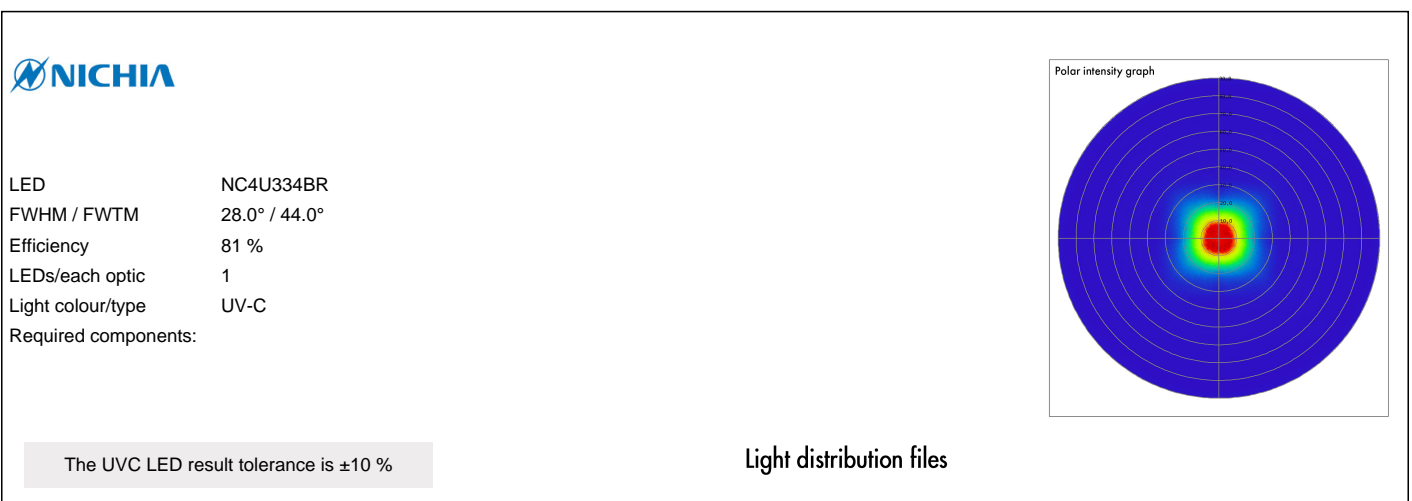
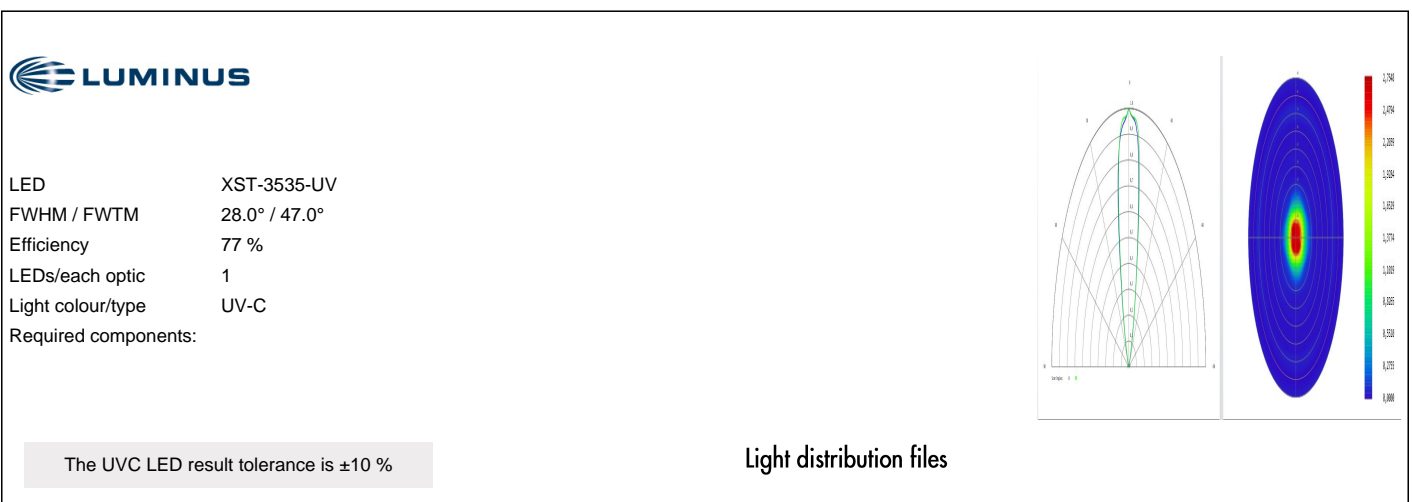
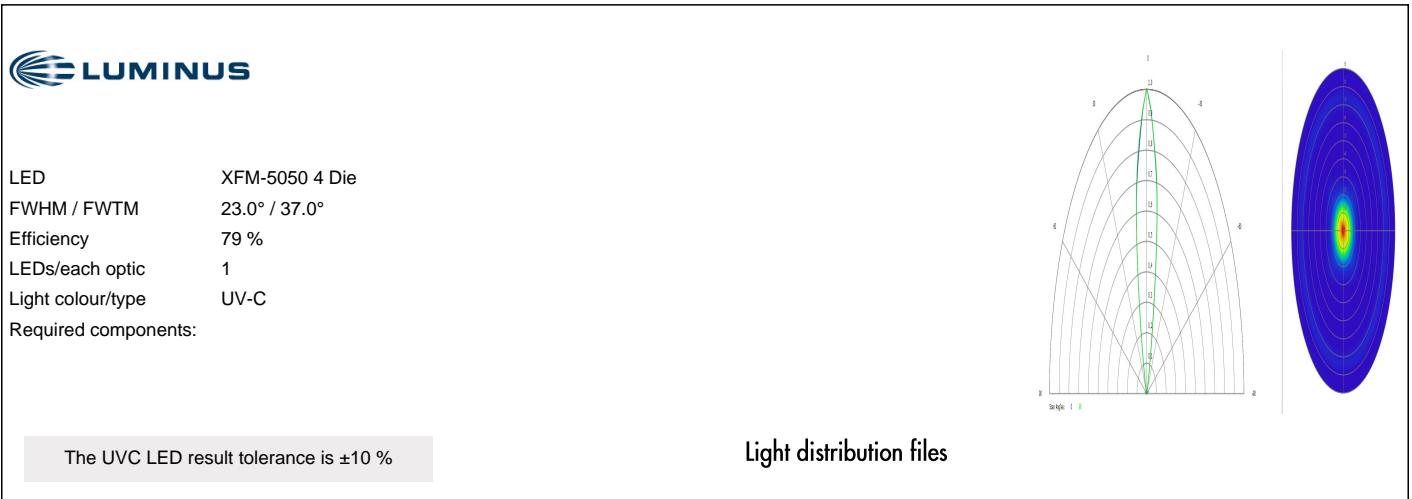
Light distribution files



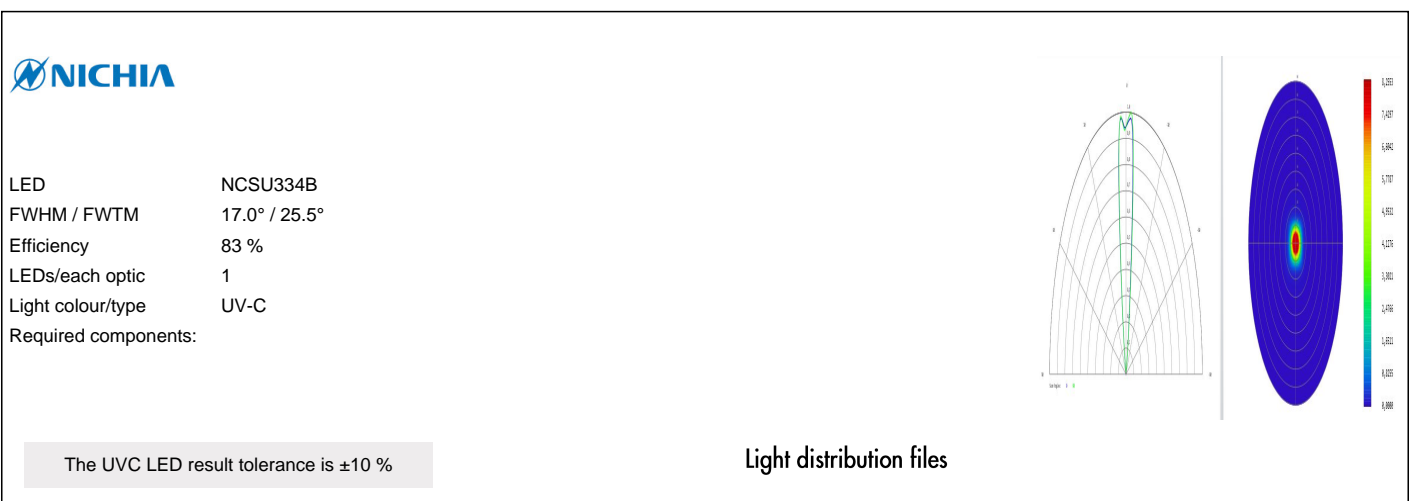
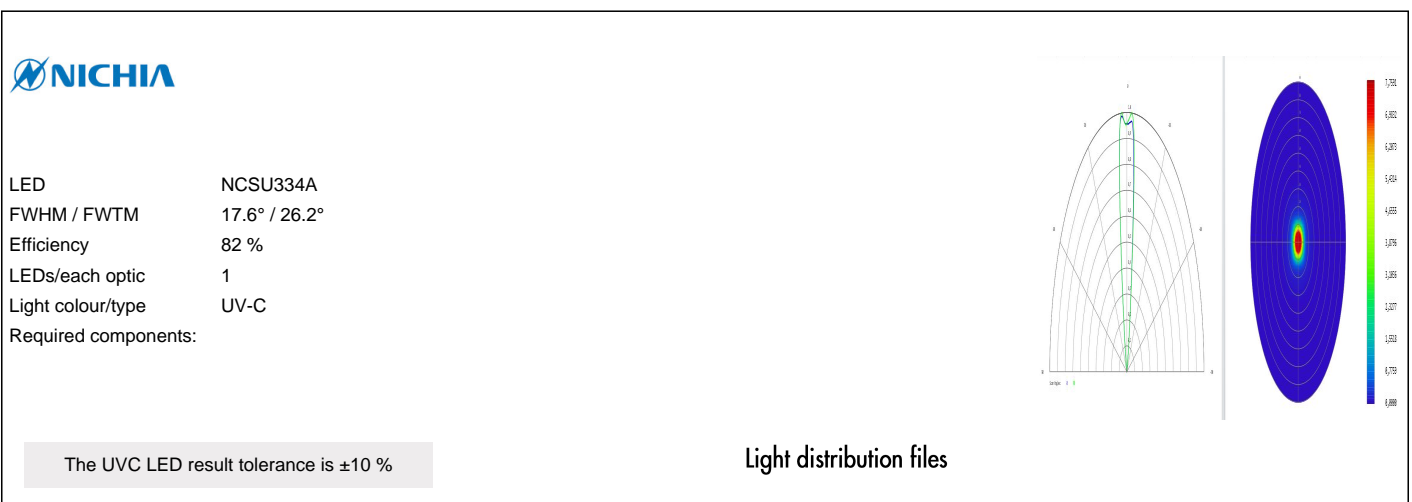
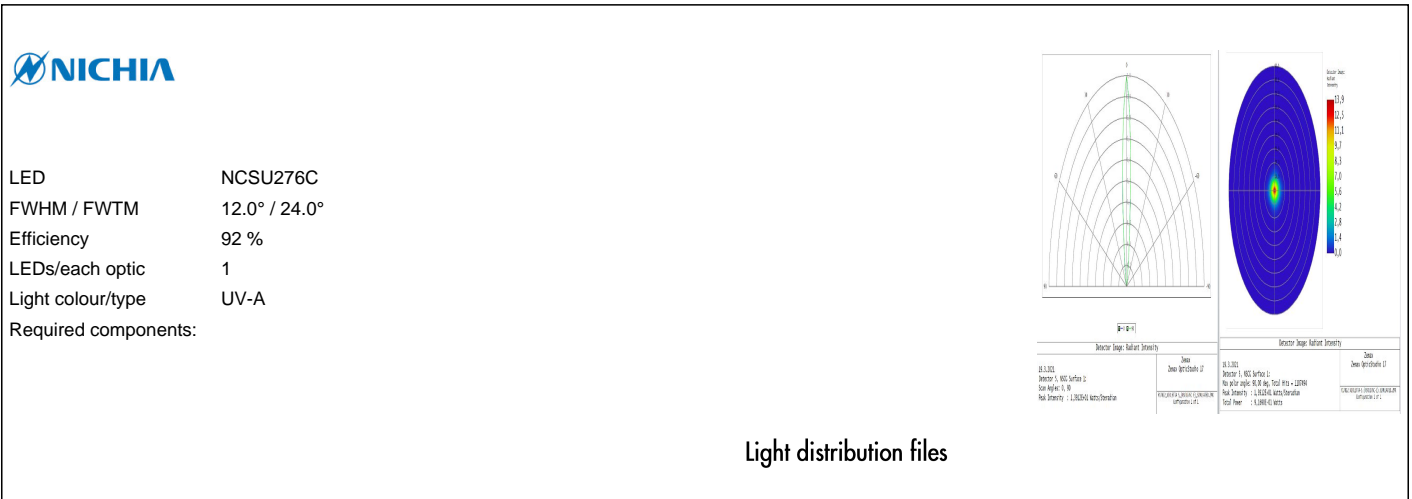
### OPTICAL RESULTS (SIMULATED):




#### OPTICAL RESULTS (SIMULATED):



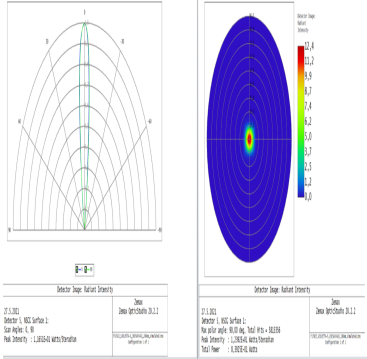
### OPTICAL RESULTS (SIMULATED):



### OPTICAL RESULTS (SIMULATED):




LED: NCSU434A  
 FWHM / FWTM: 13.0° / 22.0°  
 Efficiency: 83 %  
 LEDs/each optic: 1  
 Light colour/type: UV-C  
 Required components:

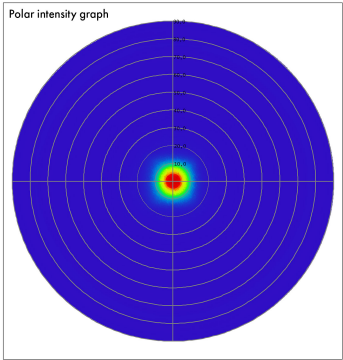


The UVC LED result tolerance is  $\pm 10$  %

Light distribution files




LED: NCSU434B  
 FWHM / FWTM: 16.0° / 25.0°  
 Efficiency: 83 %  
 LEDs/each optic: 1  
 Light colour/type: UV-C  
 Required components:



The UVC LED result tolerance is  $\pm 10$  %

Light distribution files




LED: NVSU233B  
 FWHM / FWTM: 24.0° / 40.0°  
 Efficiency: 92 %  
 Peak intensity: 4.8 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: UV-A  
 Required components:

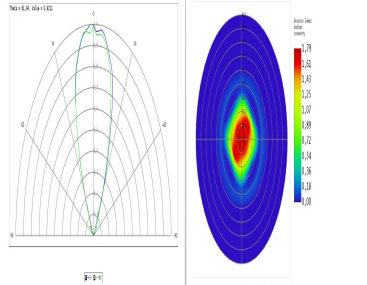


Light distribution files


### OPTICAL RESULTS (SIMULATED):



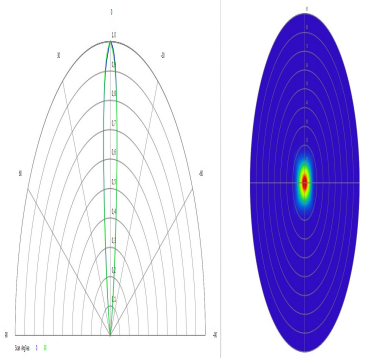
LED: NVSU233B-D4  
 FWHM / FWTM: 37.0° / 74.0°  
 Efficiency: 93 %  
 Peak intensity: 2.1 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: UV-A  
 Required components:



Light distribution files




LED: OSOLON UV 3636 (SU CULDN1.VC)  
 FWHM / FWTM: 15.0° / 26.0°  
 Efficiency: 82 %  
 LEDs/each optic: 1  
 Light colour/type: UV-C  
 Required components:

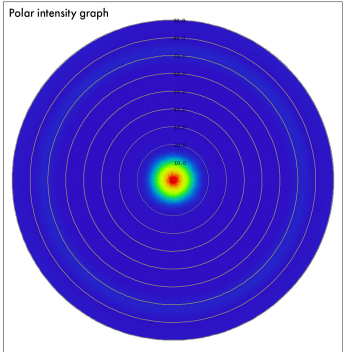


Light distribution files

The UVC LED result tolerance is ±10 %




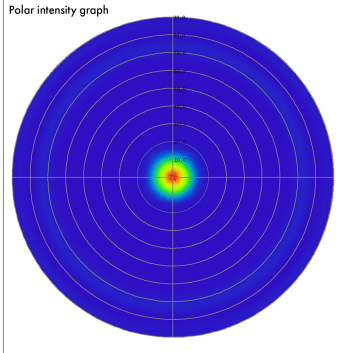
LED: OSOLON UV 6060 (SU CZHEF1.VC)  
 FWHM / FWTM: 17.0° / 28.0°  
 Efficiency: 71 %  
 LEDs/each optic: 1  
 Light colour/type: UV-C  
 Required components:


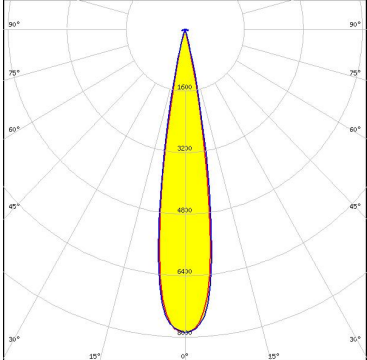


Light distribution files

The UVC LED result tolerance is ±10 %

#### OPTICAL RESULTS (SIMULATED):

		
LED	OSLON UV 6060 (SU CZHPF1.VC)	
FWHM / FWTM	16.0° / 27.0°	
Efficiency	74 %	
LEDs/each optic	1	
Light colour/type	UV-C	
Required components:		
<div style="border: 1px solid gray; padding: 2px; display: inline-block;">The UVC LED result tolerance is <math>\pm 10</math> %</div>		<a href="#">Light distribution files</a>

		
LED	OSTAR Projection Compact (KW.CSLNM1.TG)	
FWHM / FWTM	18.0° / 27.0°	
Efficiency	90 %	
Peak intensity	7.9 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components:		
		<a href="#">Light distribution files</a>

### 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:

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