

## VIOLET-12X1-RS

~14° wide beam

## TECHNICAL SPECIFICATIONS:

Dimensions	294.8 x 41.6 mm
Height	8.8 mm
Fastening	screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes ⓘ

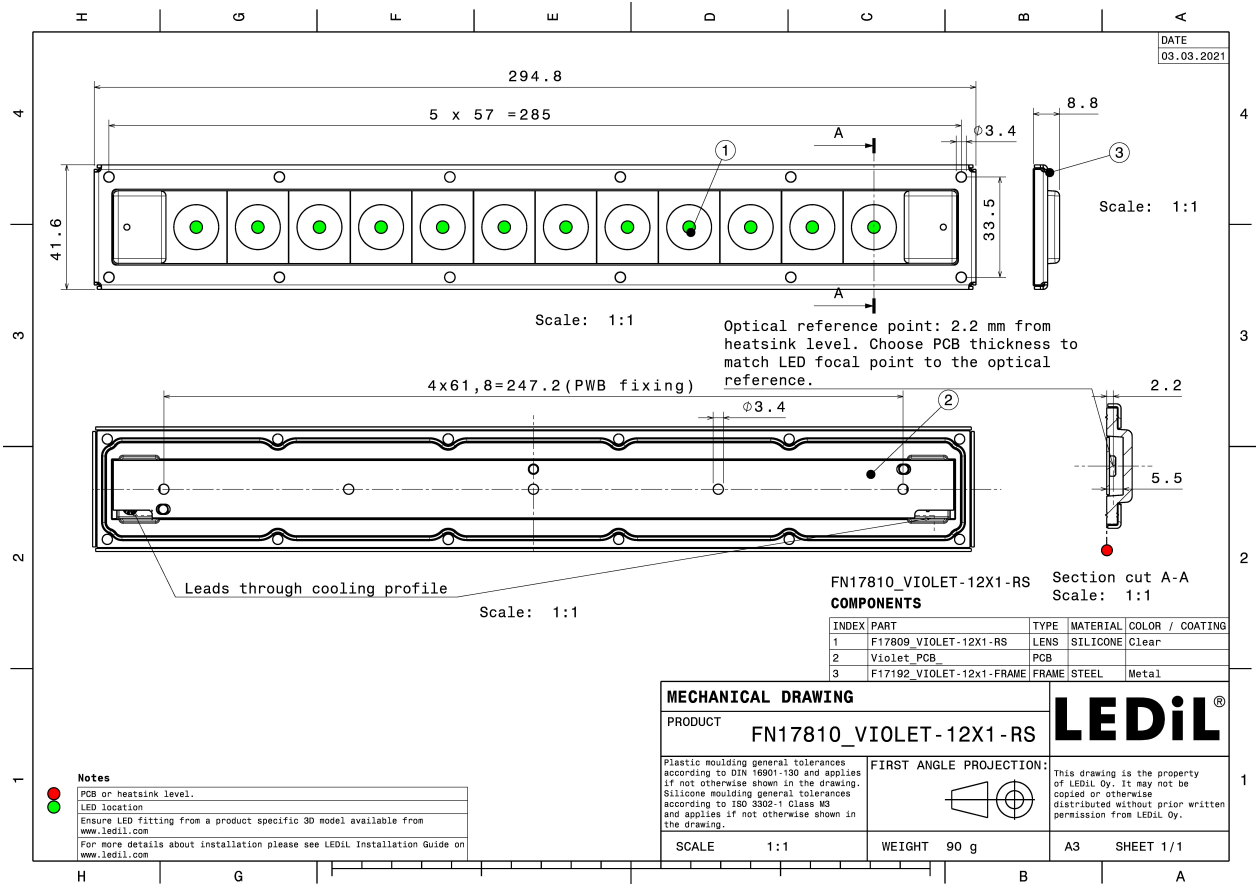
## MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
VIOLET-12X1-RS	Multi-lens	Silicone	clear	
VIOLET-12X1-FRAME	Accessory	Stainless steel	metal	

## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN17810_VIOLET-12X1-RS	Multi-lens	78	26	26	8.0
» Box size: 398 x 298 x 150 mm					





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

### PHOTOMETRIC DATA (MEASURED):



LED LIGHT ENGINE VIOLET UVC 281x19.2mm (KL265-50V-SM-WD)  
FWHM / FWTM 18.0° / 38.0°  
Efficiency 64 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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

Crystal<sup>®</sup> IS

LED KL265-50V-SM-WD  
FWHM / FWTM 13.0° / 29.0°  
Efficiency 60 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



LED 110384-GC VIOLET  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 68 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



LED 110384-GM VIOLET  
FWHM / FWTM 14.0° / 30.0°  
Efficiency 68 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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

### PHOTOMETRIC DATA (MEASURED):



LED LTPL-G35UV275GC-E  
FWHM / FWTM 12.0° / 20.0°  
Efficiency 65 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



LED LTPL-G35UV275GR-E  
FWHM / FWTM 13.0° / 27.0°  
Efficiency 64 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



LED LTPL-G35UVC275GH  
FWHM / FWTM 14.0° / 32.0°  
Efficiency 65 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



LED LTPL-G35UVC275GZ  
FWHM / FWTM 14.0° / 32.0°  
Efficiency 65 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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

### PHOTOMETRIC DATA (MEASURED):



LED XBT-3535-UV  
FWHM / FWTM 12.0° / 29.0°  
Efficiency 68 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



LED XFM-5050 2 Die  
FWHM / FWTM 19.0° / 41.0°  
Efficiency 60 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



LED XFM-5050 2 Die  
FWHM / FWTM 23.0° / 46.0°  
Efficiency 62 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



LED XFM-5050 3 Die  
FWHM / FWTM 24.0° / 47.0°  
Efficiency 58 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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

### PHOTOMETRIC DATA (MEASURED):



LED XST-3535-UV  
FWHM / FWTM 22.0° / 42.0°  
Efficiency 64 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



LED NCSU334B  
FWHM / FWTM 17.0° / 36.0°  
Efficiency 66 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



SEOUL SEMICONDUCTOR

LED CUD7GF1B  
FWHM / FWTM 15.0° / 30.0°  
Efficiency 61 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



SEOUL SEMICONDUCTOR

LED CUD7QF1A  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 69 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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

### PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR	
LED	XMD-FBC-LLCA
FWHM / FWTM	16.0° / 34.0°
Efficiency	55 %
LEDs/each optic	1
Light colour	UV-C
Required components:	
The UVC LED result tolerance is $\pm 10$ %	

 SEOUL SEMICONDUCTOR	
LED	XMD-FBC-LLOA
FWHM / FWTM	31.0° / 51.0°
Efficiency	67 %
LEDs/each optic	2
Light colour	UV-C
Required components:	
The UVC LED result tolerance is $\pm 10$ %	

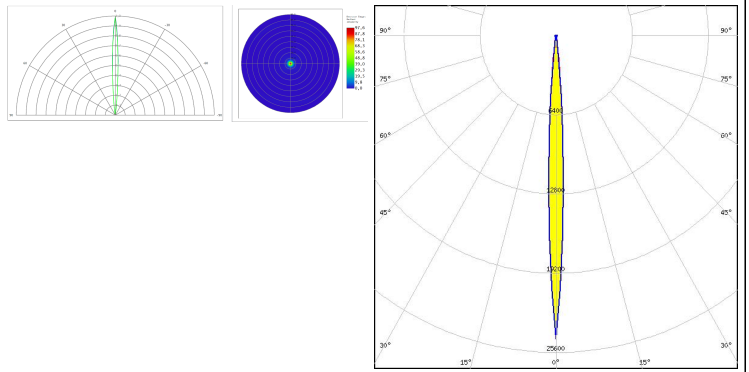
 SEOUL SEMICONDUCTOR	
LED	XMD-FBC-LLVA
FWHM / FWTM	31.0° / 63.0°
Efficiency	63 %
LEDs/each optic	4
Light colour	UV-C
Required components:	
The UVC LED result tolerance is $\pm 10$ %	

#### PHOTOMETRIC DATA (SIMULATED):



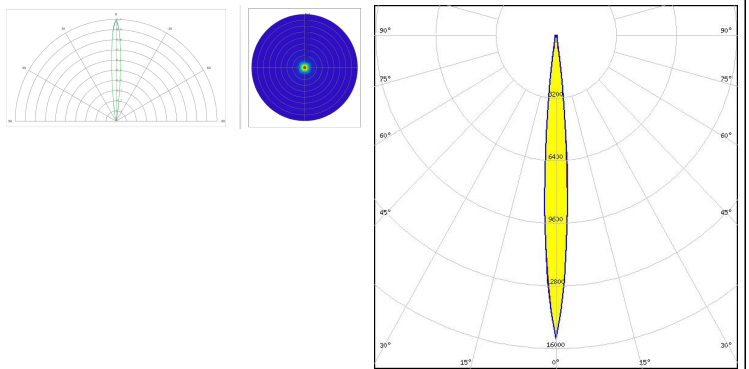
LED XBT-1313  
FWHM / FWTM 7.0° / 13.0°  
Efficiency 72 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



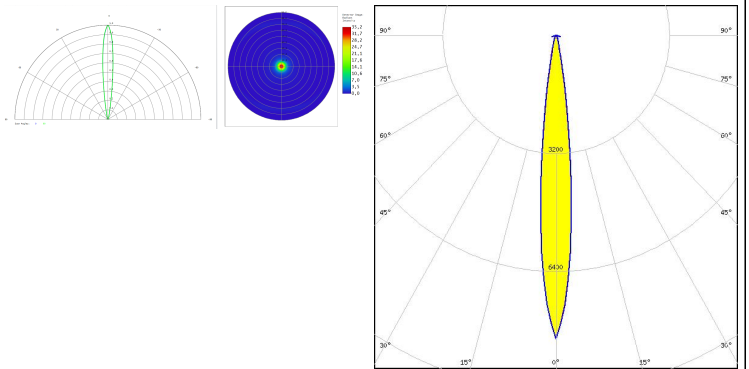
LED XBT-3535-UV  
FWHM / FWTM 10.0° / 19.0°  
Efficiency 80 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



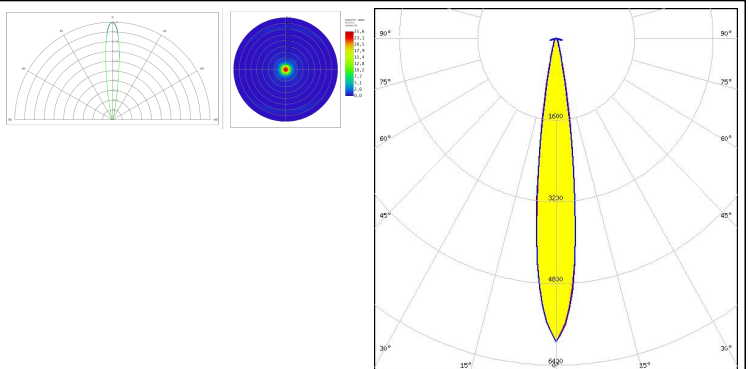
LED XFM-5050 2 Die  
FWHM / FWTM 12.0° / 23.0°  
Efficiency 74 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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



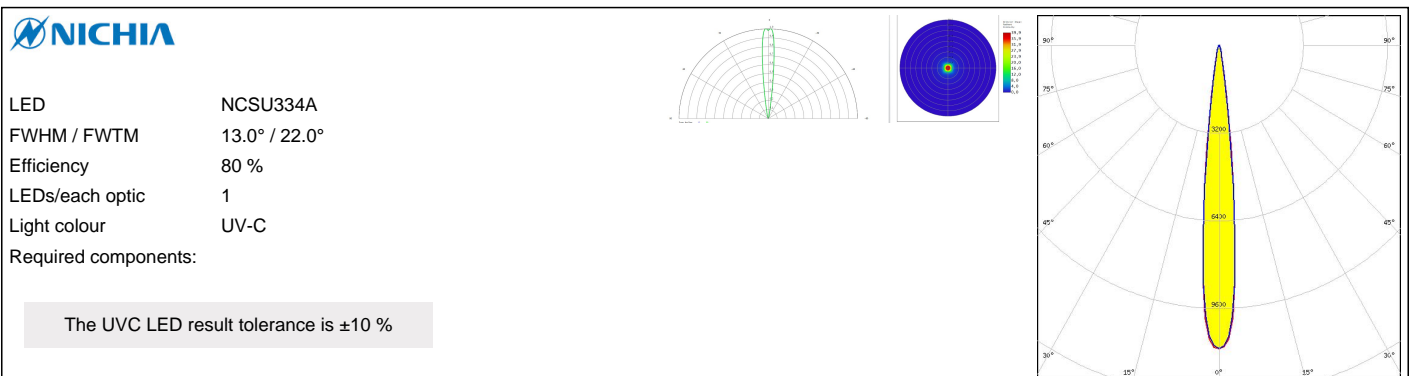
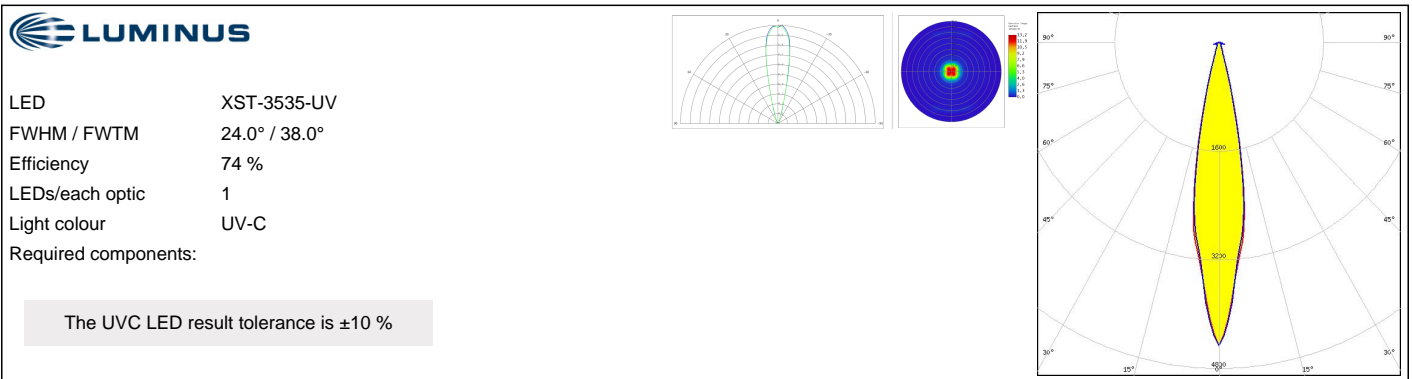
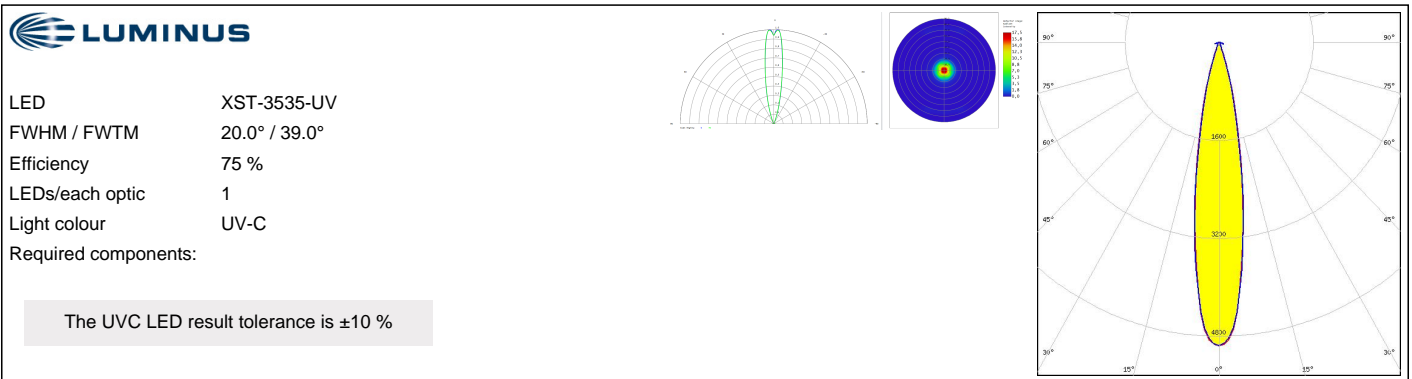
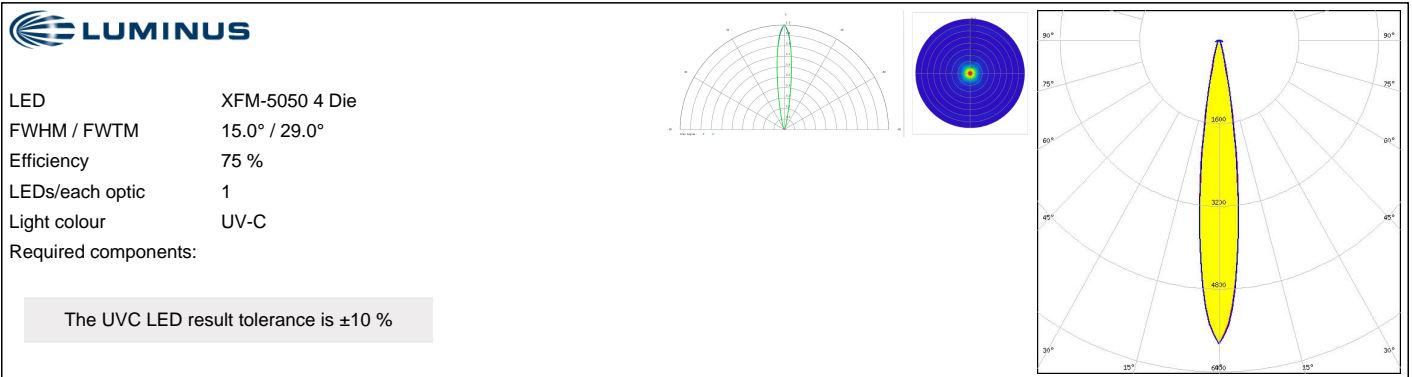
LED XFM-5050 3 Die  
FWHM / FWTM 15.0° / 27.0°  
Efficiency 75 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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





#### PHOTOMETRIC DATA (SIMULATED):

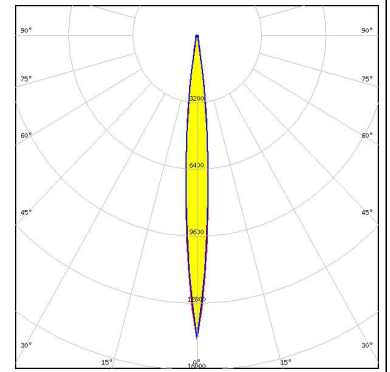
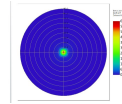
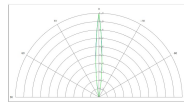


#### PHOTOMETRIC DATA (SIMULATED):



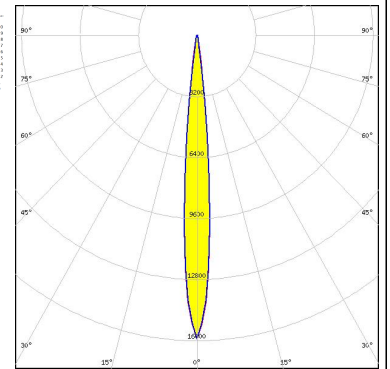
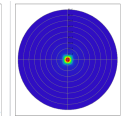
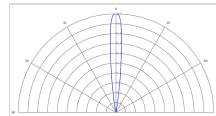
LED NCSU334B  
FWHM / FWTM 8.0° / 19.0°  
Efficiency 79 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

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

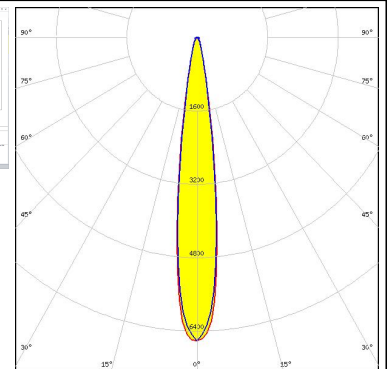
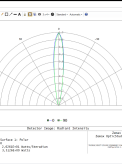
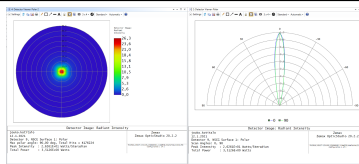


LED NCSU434A  
FWHM / FWTM 12.0° / 19.0°  
Efficiency 79 %  
LEDs/each optic 1  
Light colour UV-C  
Required components:

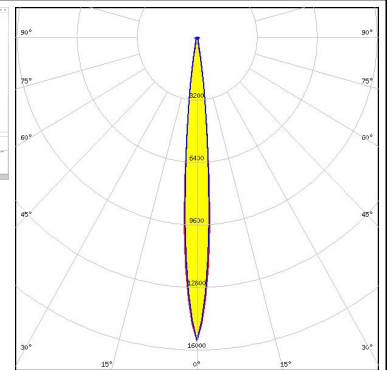
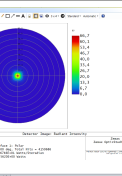
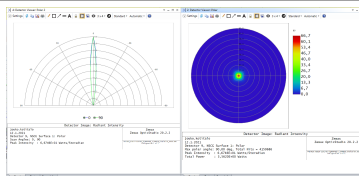
The UVC LED result tolerance is  $\pm 10$  %



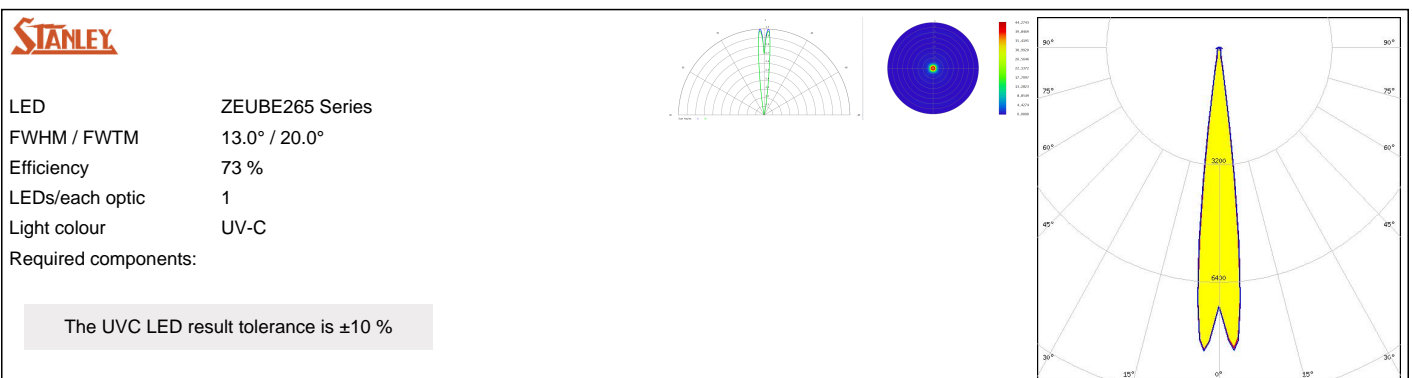
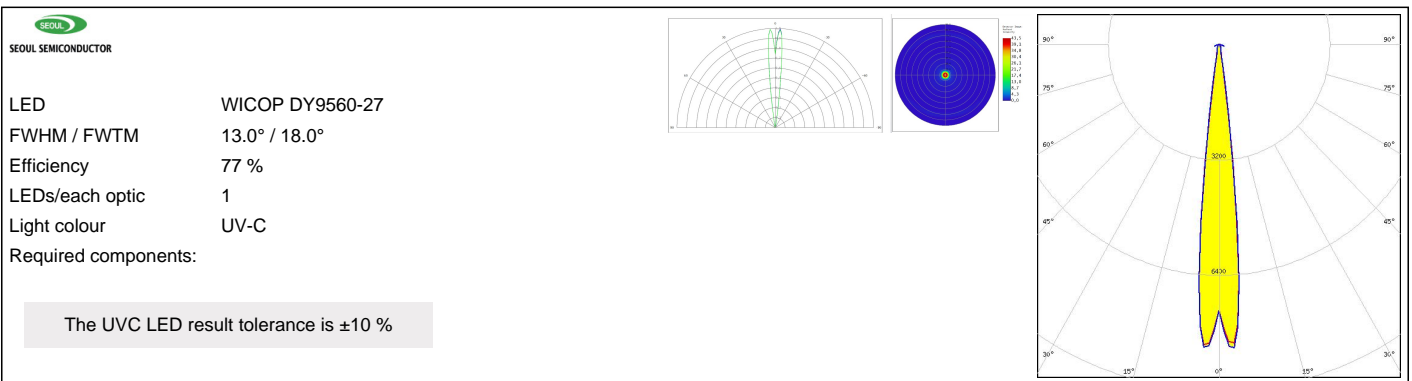
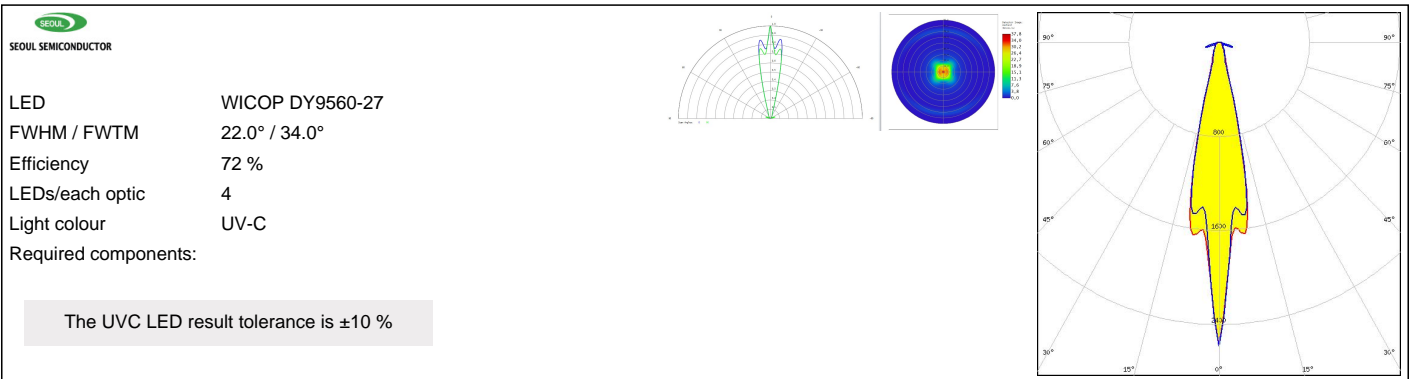
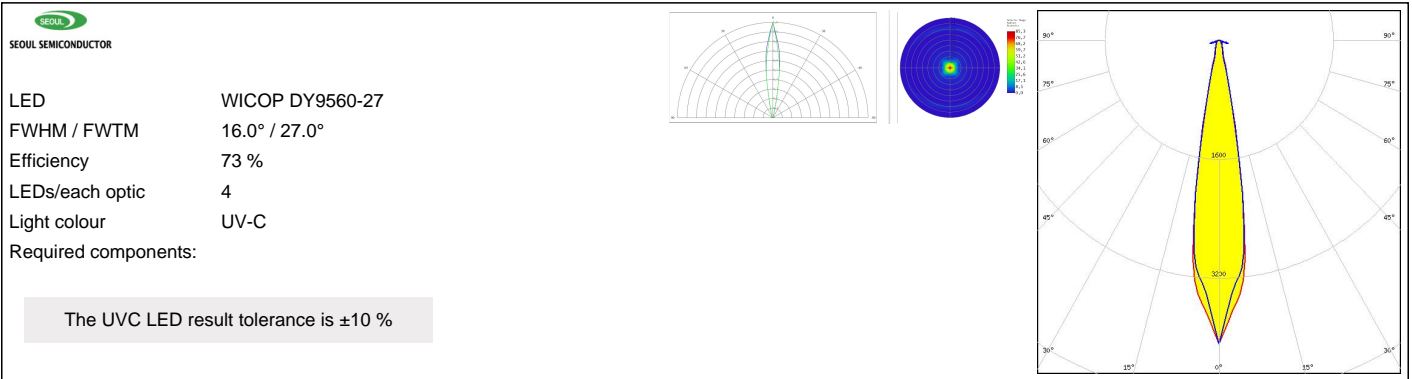
LED CUD8AF4D  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour UV-B  
Required components:



LED CUN66A1B  
FWHM / FWTM 9.0° / 18.0°  
Efficiency 89 %  
LEDs/each optic 1  
Light colour UV-A  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):



### 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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