

VIOLET-12X1-S

~20° wide beam when used with one UV LED

TECHNICAL SPECIFICATIONS:

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

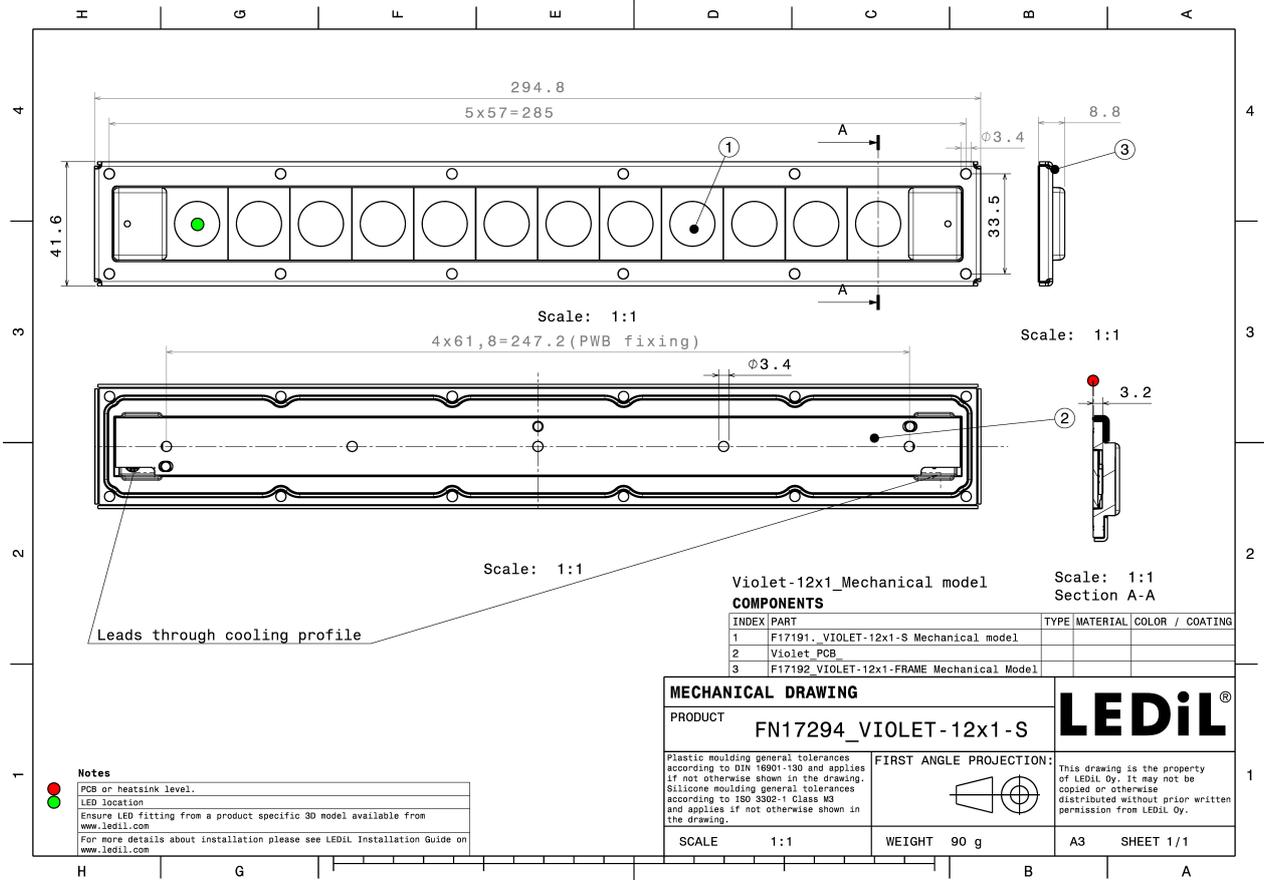
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FN17294_VIOLET-12X1-S » Box size: 398 x 298 x 150 mm	Multi-lens	78	26	26	7.7



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

PHOTOMETRIC DATA (MEASURED):



LED LIGHT ENGINE VIOLET UVC 281x19.2mm (KL265-50V-SM-WD)
FWHM 15.0°
Efficiency 55 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

Crystal[®] IS

LED KL265-50V-SM-WD
FWHM 16.0°
Efficiency 55 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED 110384-GC VIOLET
FWHM 24.0°
Efficiency 69 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED LTPL-G35UV275GC-E
FWHM 15.0°
Efficiency 63 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

PHOTOMETRIC DATA (MEASURED):



LED LTPL-G35UV275GR-E
FWHM 21.0°
Efficiency 63 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED LTPL-G35UVC275GH
FWHM 26.0°
Efficiency 61 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED LTPL-G35UVC275GZ
FWHM 28.0°
Efficiency 62 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED XBT-3535-UV
FWHM 32.0°
Efficiency 64 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

PHOTOMETRIC DATA (MEASURED):



LED XST-3535-UV
FWHM 23.0°
Efficiency 62 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED NCSU334A
FWHM 23.0°
Efficiency 64 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED NCSU334B
FWHM 26.0°
Efficiency 61 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED CUD7GF1A
FWHM 13.0°
Efficiency 57 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

PHOTOMETRIC DATA (MEASURED):

SEOL SEOUL SEMICONDUCTOR	
LED	CUD7GF1B
FWHM	19.0°
Efficiency	56 %
LEDs/each optic	1
Light colour	UV-C
Required components:	
The UVC LED result tolerance is ± 10 %	

SEOL SEOUL SEMICONDUCTOR	
LED	CUD7QF1A
FWHM	14.0°
Efficiency	54 %
LEDs/each optic	1
Light colour	UV-C
Required components:	
The UVC LED result tolerance is ± 10 %	

SEOL SEOUL SEMICONDUCTOR	
LED	XMD-FBC-LLCA
FWHM	17.0°
Efficiency	60 %
LEDs/each optic	1
Light colour	UV-C
Required components:	
The UVC LED result tolerance is ± 10 %	

SEOL SEOUL SEMICONDUCTOR	
LED	XMD-FBC-LLOA
FWHM	32.0°
Efficiency	58 %
LEDs/each optic	2
Light colour	UV-C
Required components:	
The UVC LED result tolerance is ± 10 %	

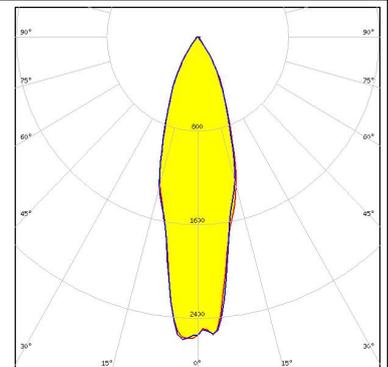
PHOTOMETRIC DATA (MEASURED):

	
SEOL SEMICONDUCTOR	
LED	XMD-FBC-LLVA
FWHM	45.0°
Efficiency	58 %
LEDs/each optic	4
Light colour	UV-C
Required components:	
The UVC LED result tolerance is ± 10 %	

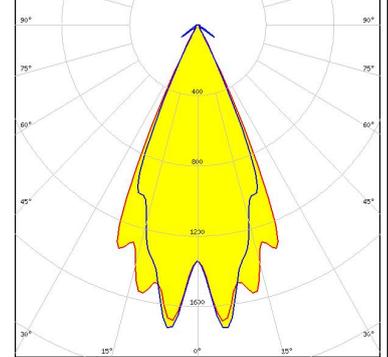
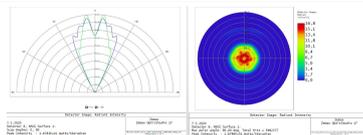
PHOTOMETRIC DATA (SIMULATED):



LED XT-E
 FWHM 30.0°
 Efficiency 86 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



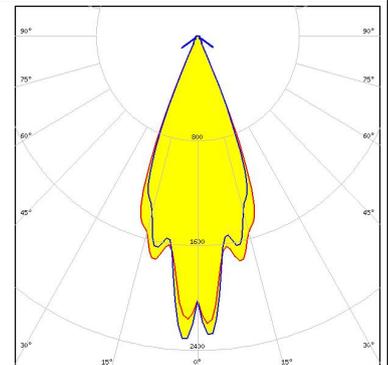
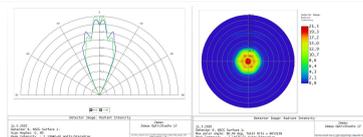
LED LTPL-G35UV275GC-E
 FWHM 46.0°
 Efficiency 72 %
 LEDs/each optic 1
 Light colour UV-C
 Required components:



The UVC LED result tolerance is ± 10 %



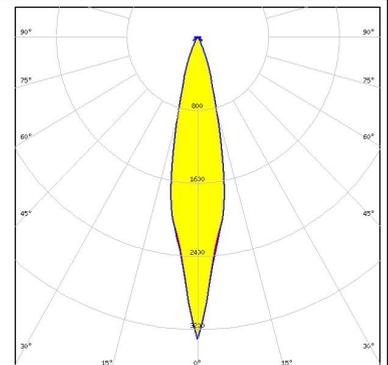
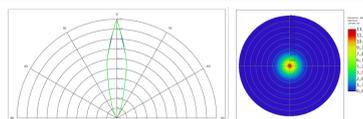
LED LTPL-G35UV275GR-E
 FWHM 40.0°
 Efficiency 72 %
 LEDs/each optic 1
 Light colour UV-C
 Required components:



The UVC LED result tolerance is ± 10 %

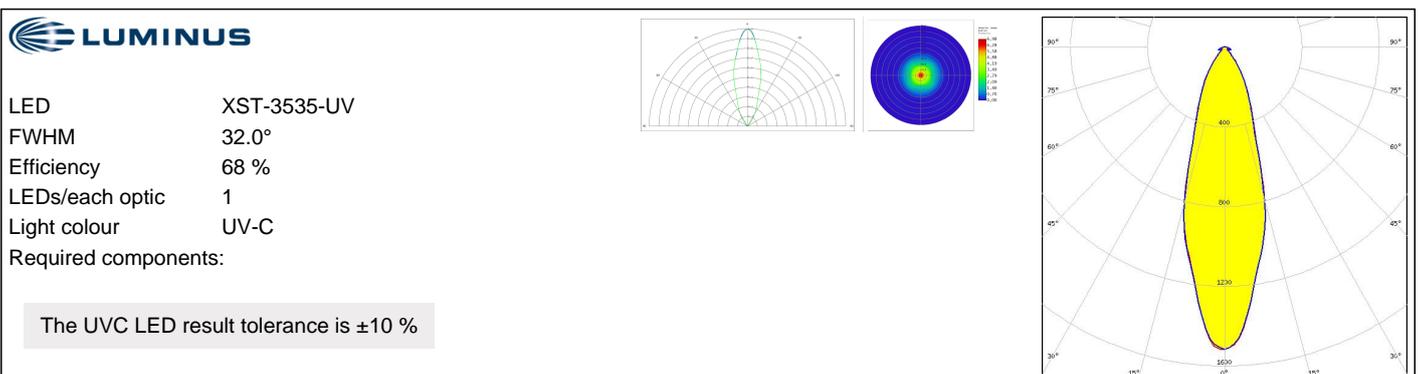
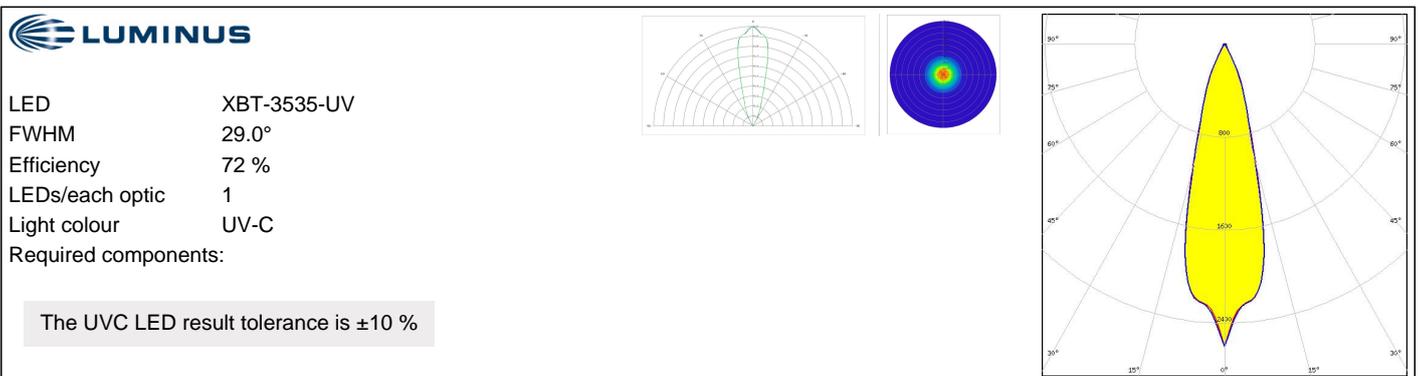
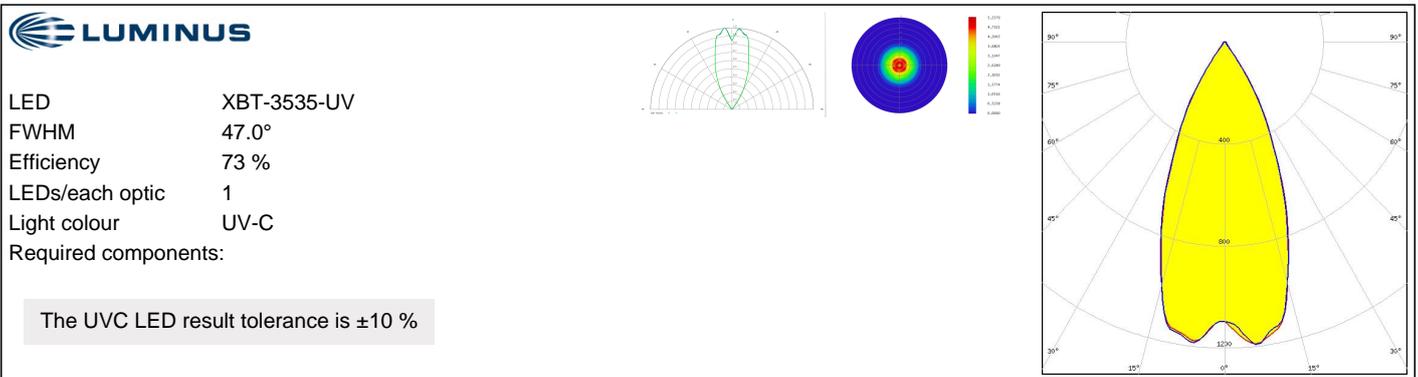
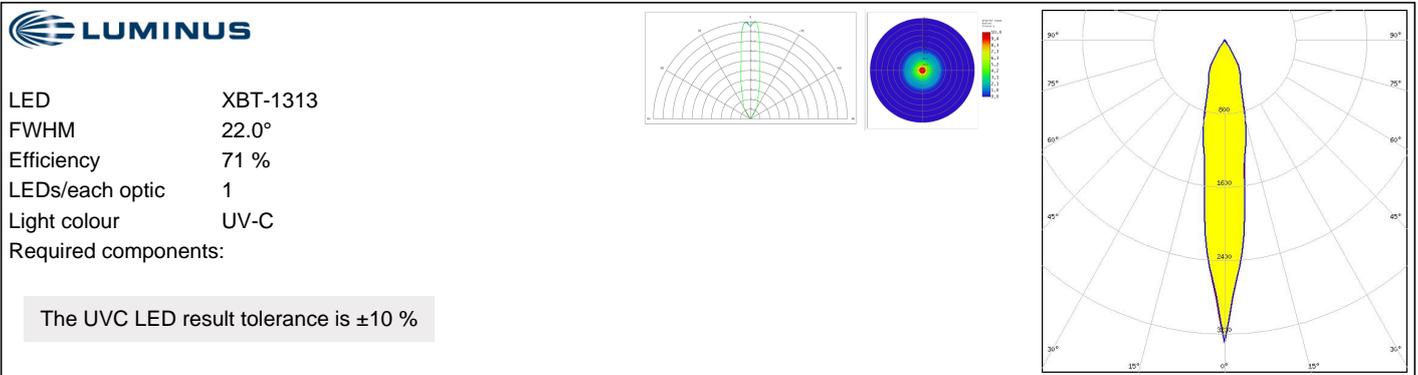


LED LTPL-G35UVC275GM
 FWHM 22.0°
 Efficiency 66 %
 LEDs/each optic 1
 Light colour UV-C
 Required components:



The UVC LED result tolerance is ± 10 %

PHOTOMETRIC DATA (SIMULATED):



PHOTOMETRIC DATA (SIMULATED):

LUMINUS

LED	XST-3535-UV
FWHM	30.0°
Efficiency	63 %
LEDs/each optic	1
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ± 10 %

NICHIA

LED	NCSU334A
FWHM	40.0°
Efficiency	72 %
LEDs/each optic	1
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ± 10 %

NICHIA

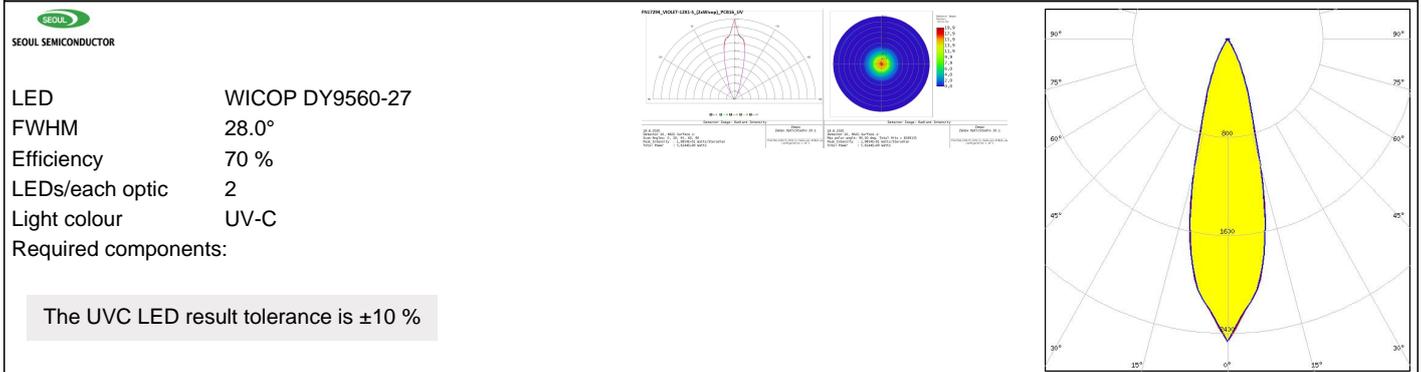
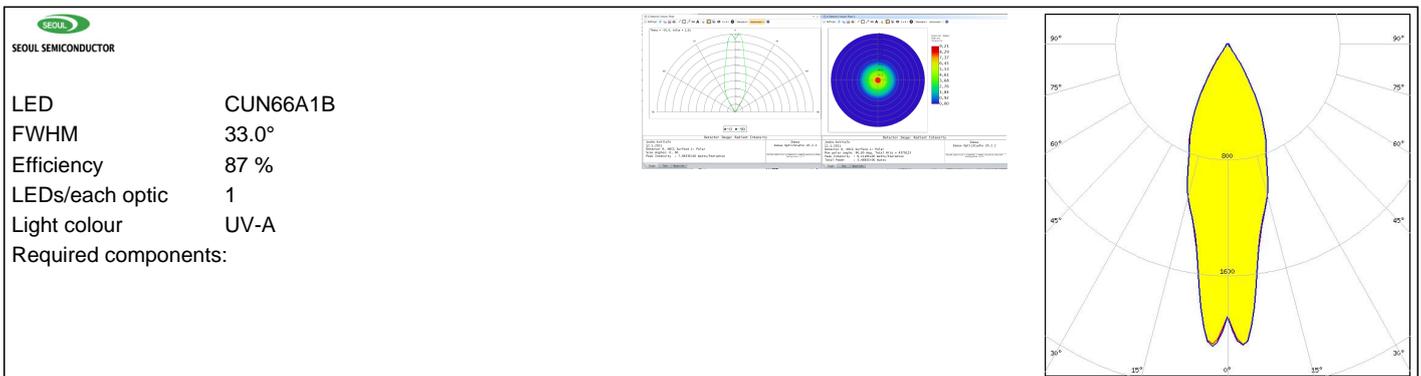
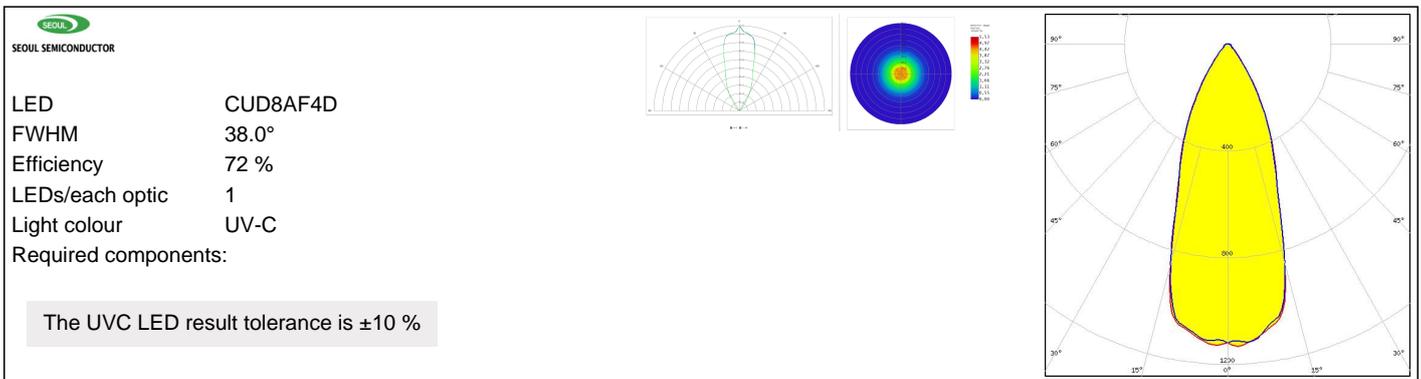
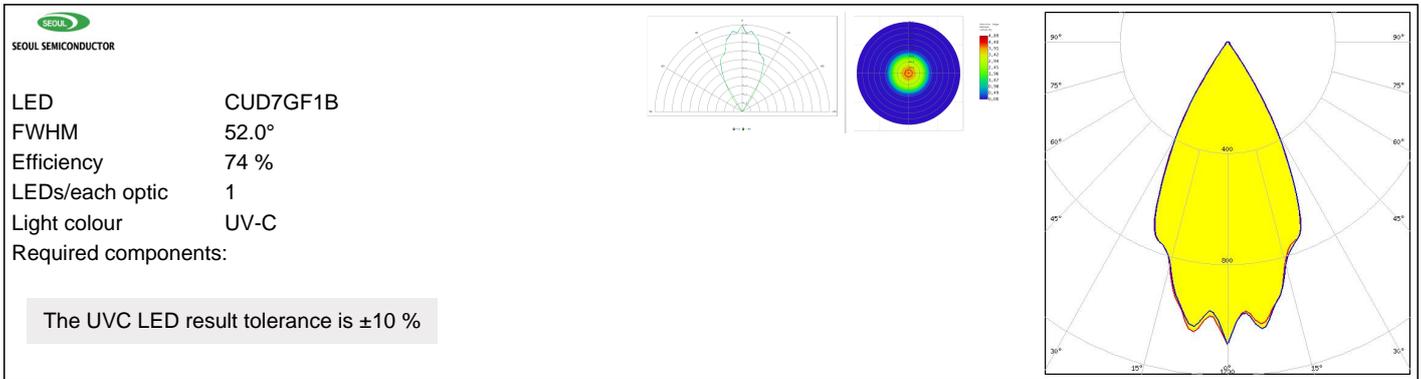
LED	NCSU334B
FWHM	39.0°
Efficiency	75 %
LEDs/each optic	1
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ± 10 %

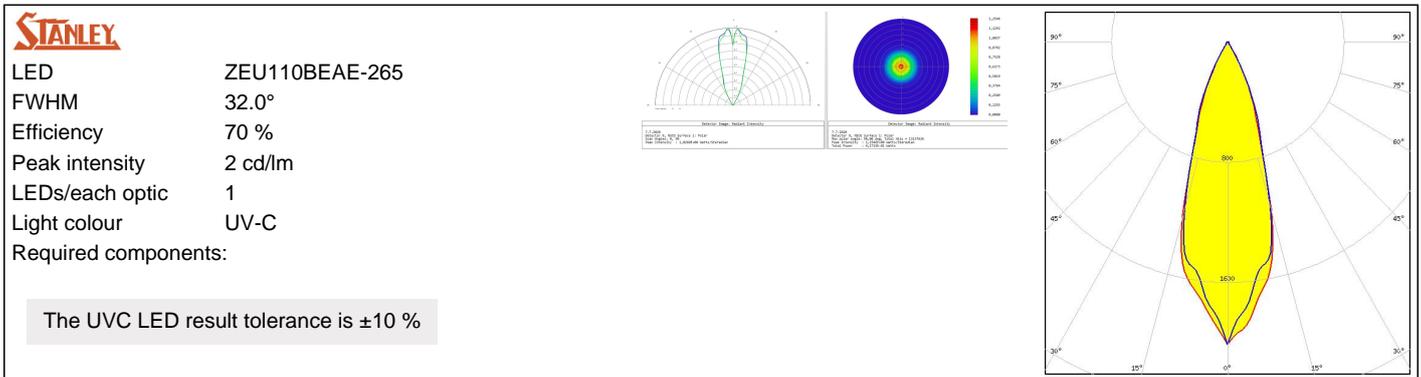
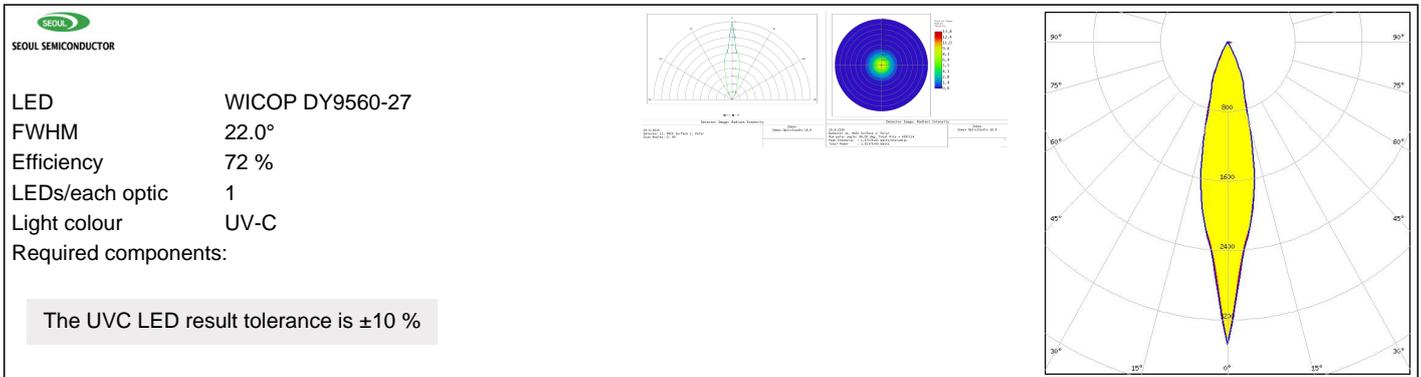
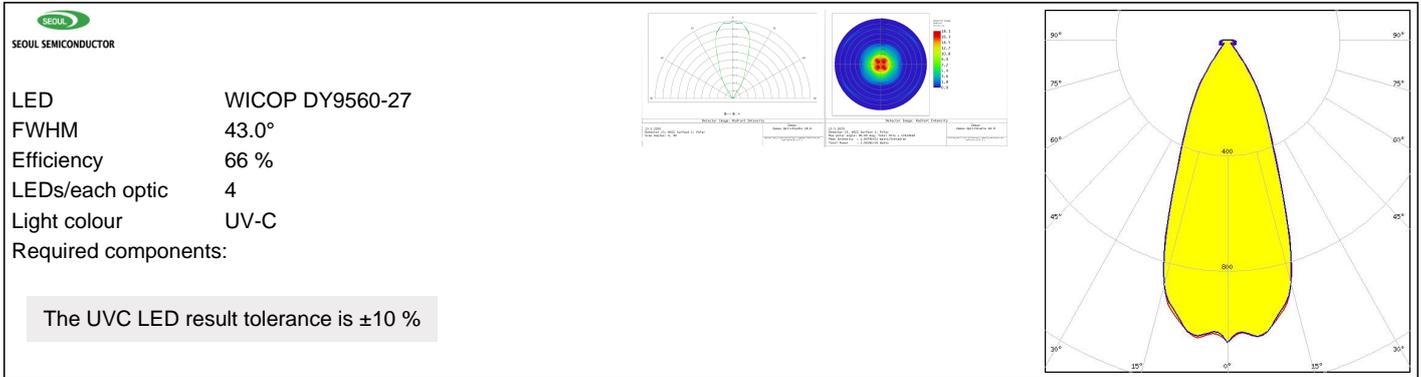
SAMSUNG

LED	LM301B
FWHM	38.0°
Efficiency	88 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):



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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