

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 ⓘ

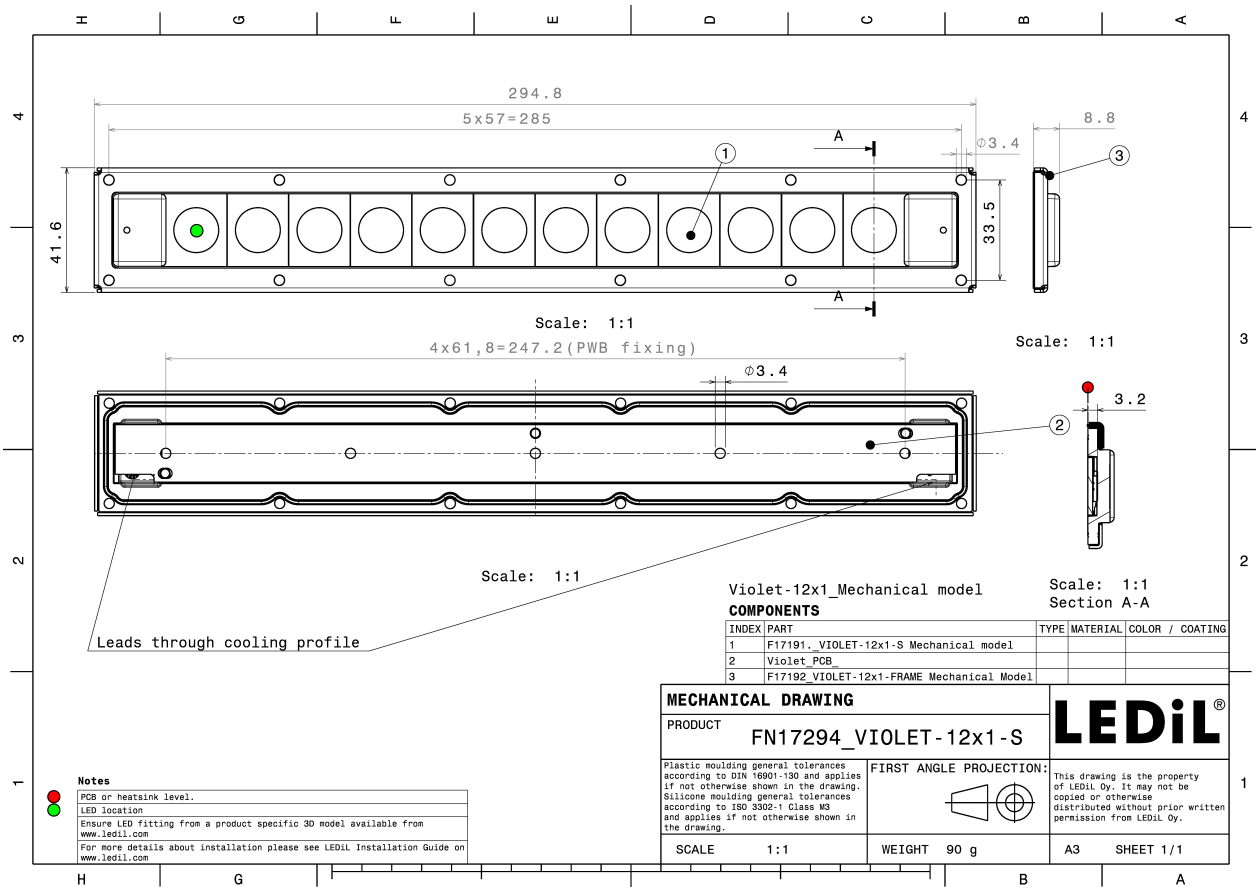
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

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





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):



LED CUD7GF1B
FWHM 19.0°
Efficiency 56 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED CUD7QF1A
FWHM 14.0°
Efficiency 54 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



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 %



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 %

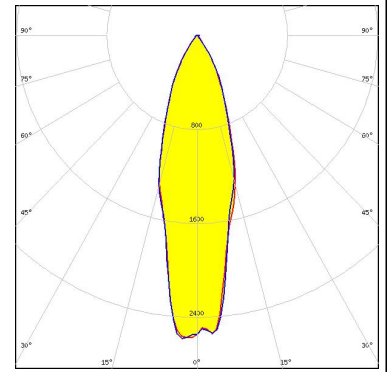
PHOTOMETRIC DATA (MEASURED):

 SEOUL 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 %	

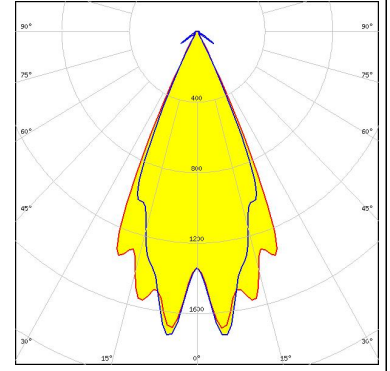
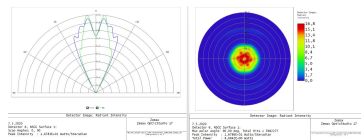
PHOTOMETRIC DATA (SIMULATED):



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



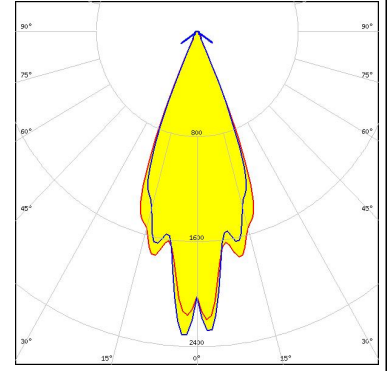
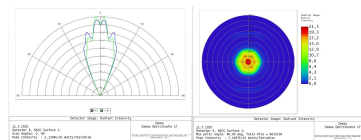
LED LTPL-G35UV275GC-E
FWHM 46.0°
Efficiency 72 %
LEDs/each optic 1
Light colour UV-C
Required components:



The UVC LED result tolerance is ± 10 %



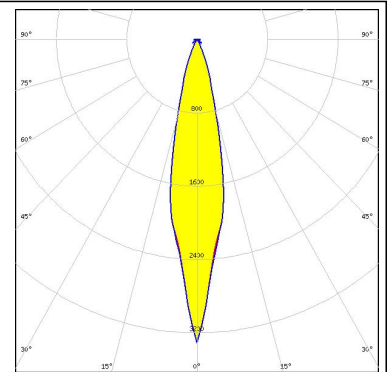
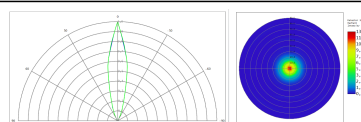
LED LTPL-G35UV275GR-E
FWHM 40.0°
Efficiency 72 %
LEDs/each optic 1
Light colour UV-C
Required components:



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:



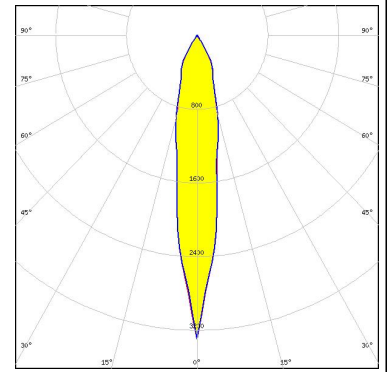
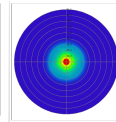
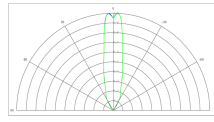
The UVC LED result tolerance is ± 10 %

PHOTOMETRIC DATA (SIMULATED):



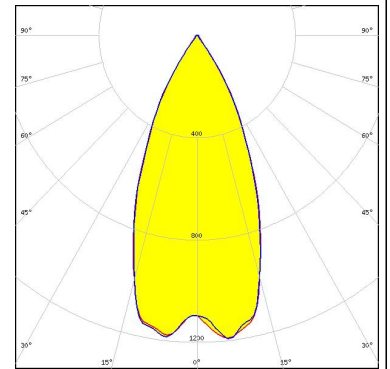
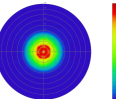
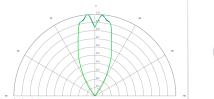
LED XBT-1313
FWHM 22.0°
Efficiency 71 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



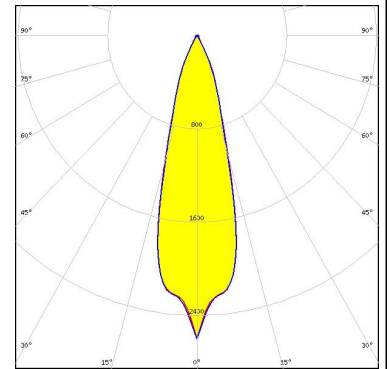
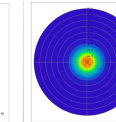
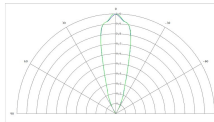
LED XBT-3535-UV
FWHM 47.0°
Efficiency 73 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



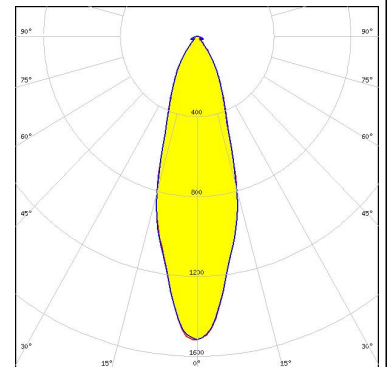
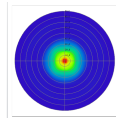
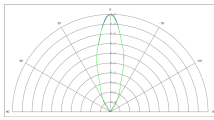
LED XBT-3535-UV
FWHM 29.0°
Efficiency 72 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED XST-3535-UV
FWHM 32.0°
Efficiency 68 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

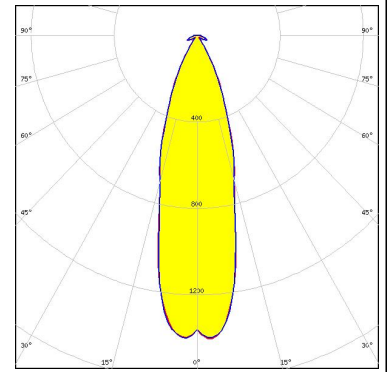
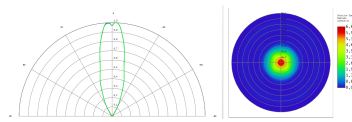


PHOTOMETRIC DATA (SIMULATED):



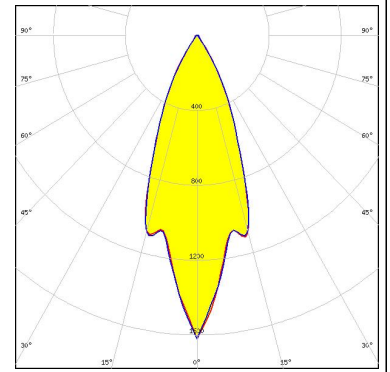
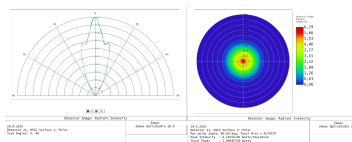
LED XST-3535-UV
FWHM 30.0°
Efficiency 63 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



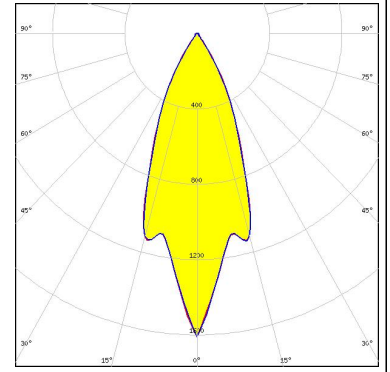
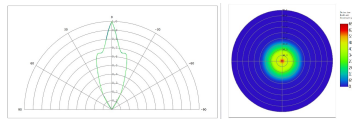
LED NCSU334A
FWHM 40.0°
Efficiency 72 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

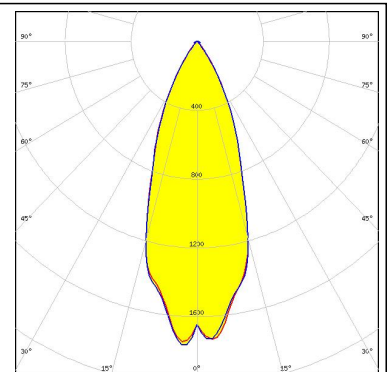


LED NCSU334B
FWHM 39.0°
Efficiency 75 %
LEDs/each optic 1
Light colour UV-C
Required components:

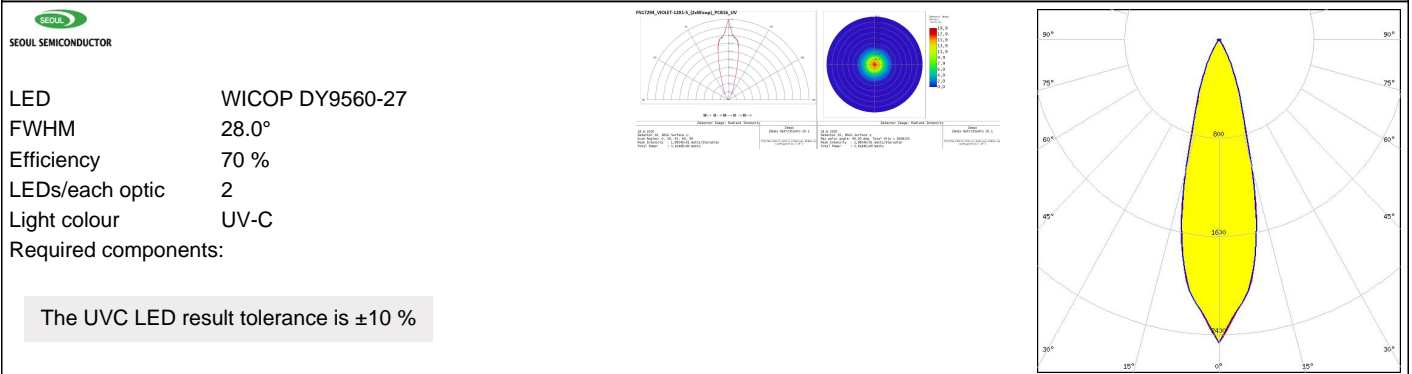
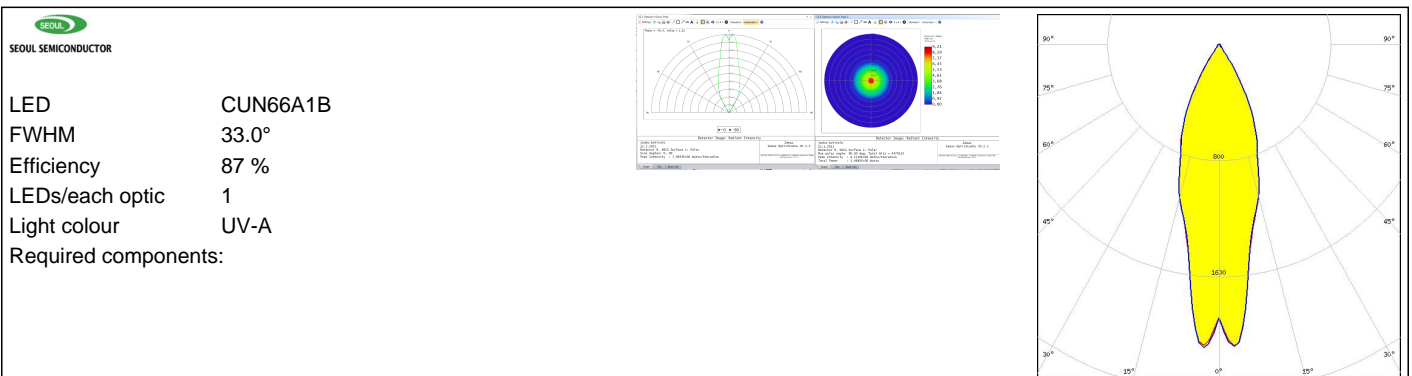
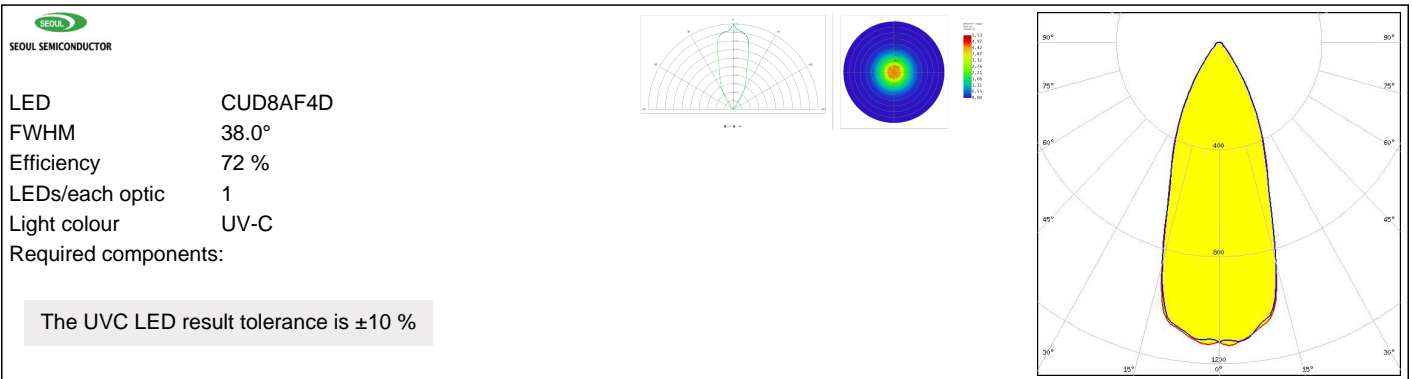
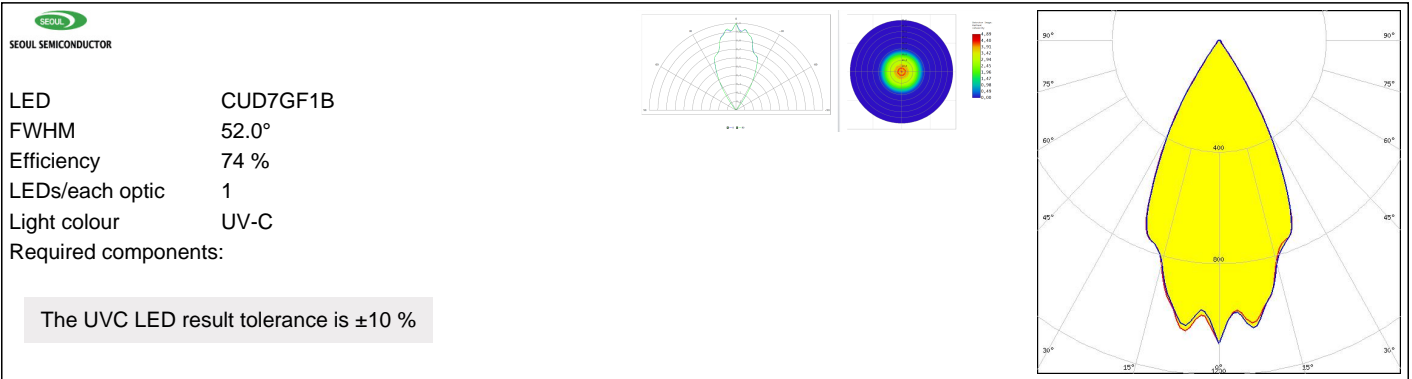
The UVC LED result tolerance is ± 10 %



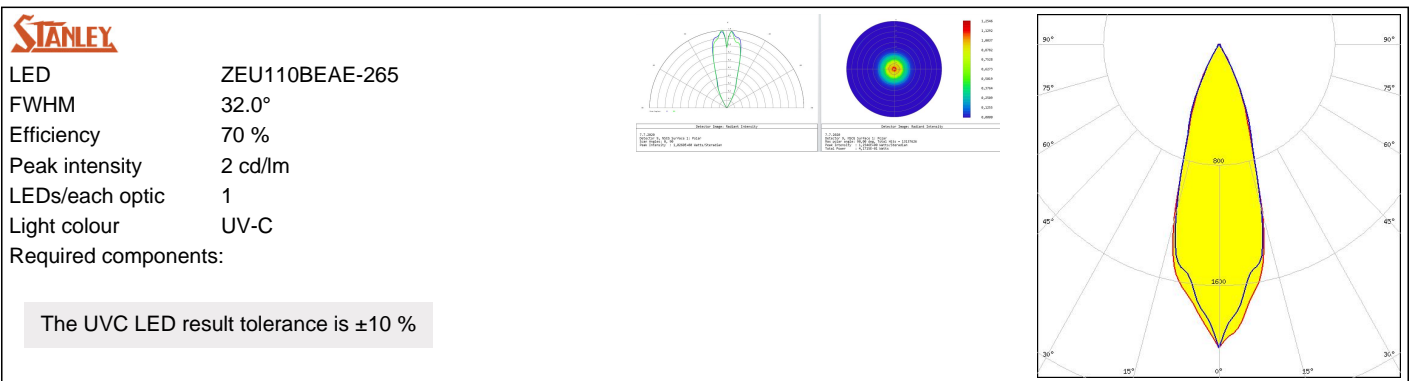
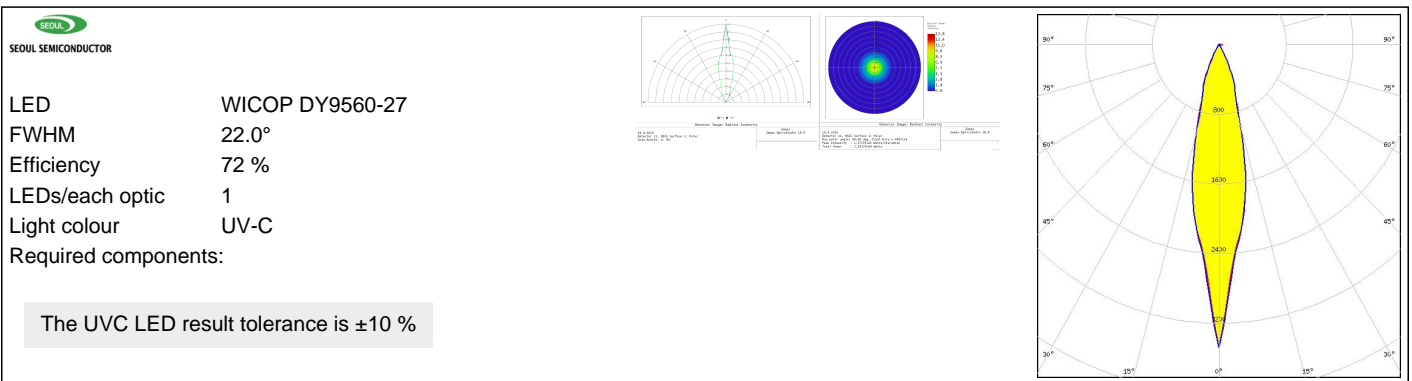
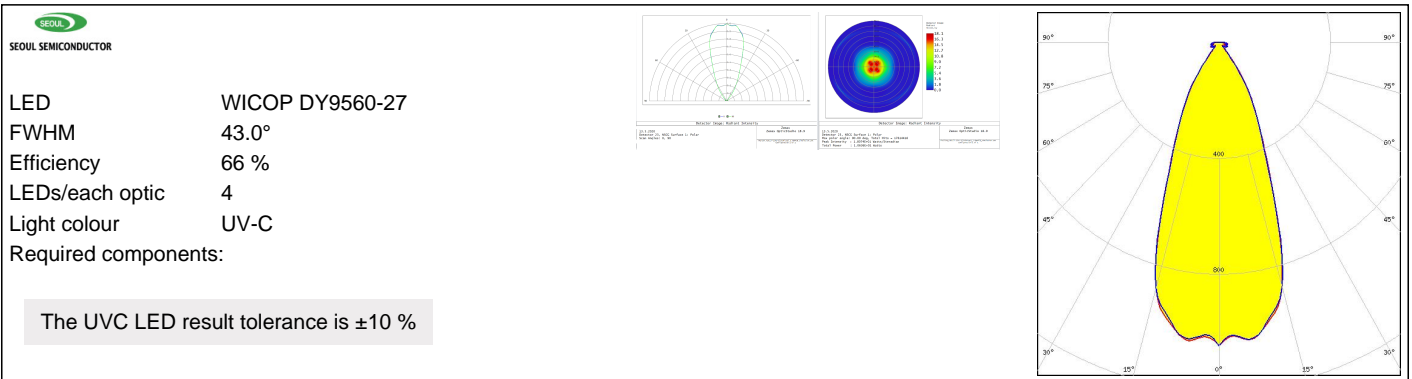
LED LM301B
FWHM 38.0°
Efficiency 88 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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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