

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 ⓘ

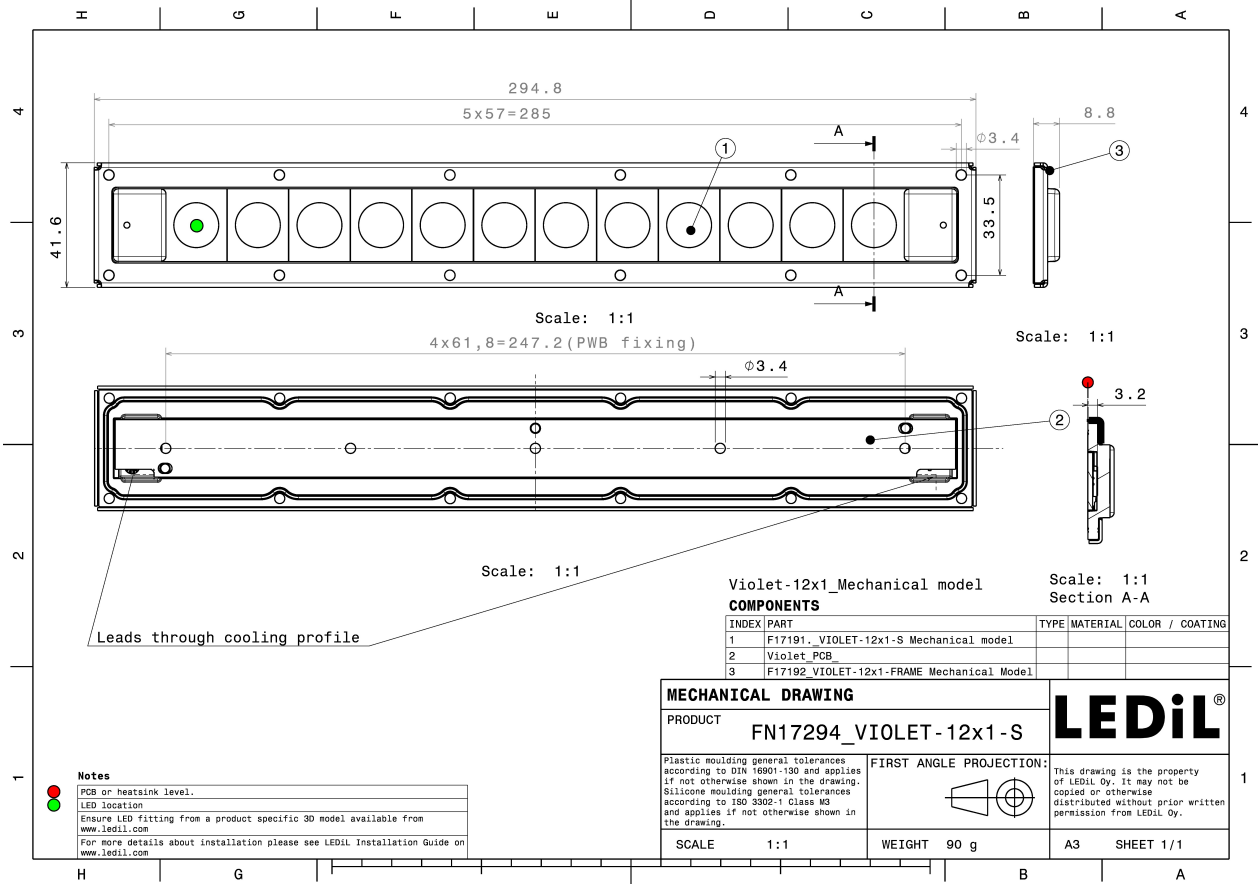
MATERIAL SPECIFICATIONS:

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 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 %



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 %

PHOTOMETRIC DATA (MEASURED):

LITEON

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 %

LITEON

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 %

LUMINUS

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 %

LUMINUS

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 %

PHOTOMETRIC DATA (MEASURED):



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 %



SEOUL SEMICONDUCTOR

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

The UVC LED result tolerance is ± 10 %



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 %

PHOTOMETRIC DATA (MEASURED):

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 %	

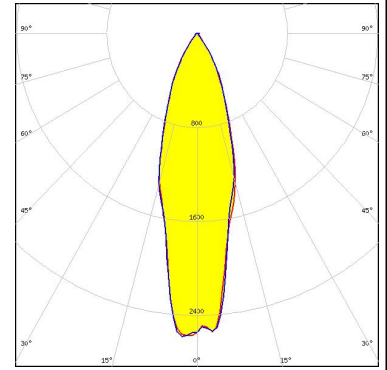
SEOL SEOUL SEMICONDUCTOR	
LED	XMD-FBC-LLOA
FWHM	32.0°
Efficiency	58 %
LEDs/each optic	2
Light colour	UV-C
Required components:	
The UVC LED result tolerance is ± 10 %	

SEOL 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):

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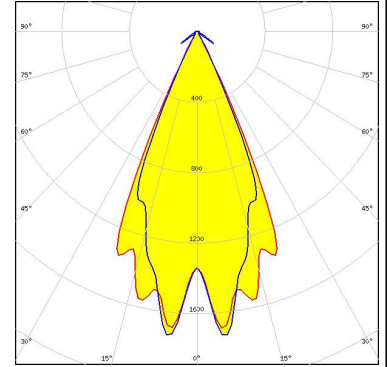
LED XT-E
 FWHM 30.0°
 Efficiency 86 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LITEON

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

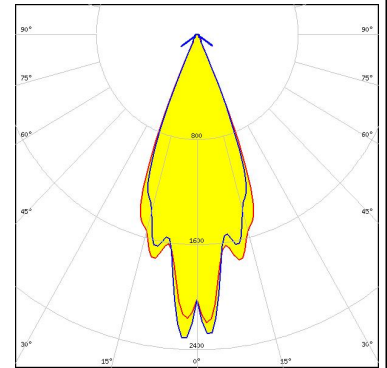
The UVC LED result tolerance is ± 10 %



LITEON

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

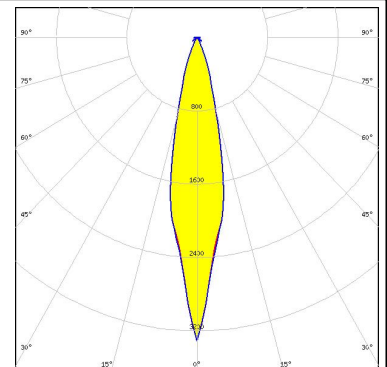
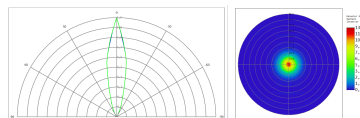
The UVC LED result tolerance is ± 10 %



LITEON

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 %

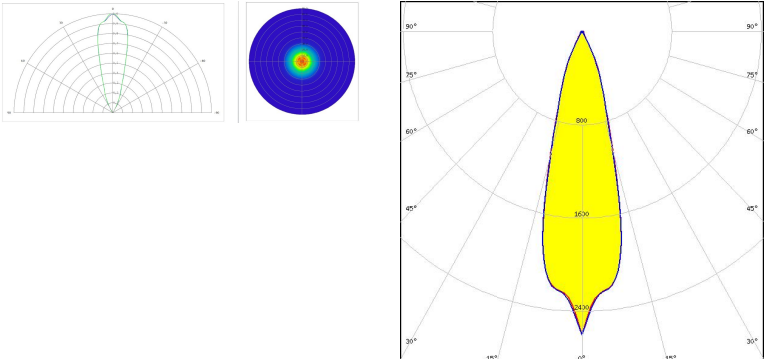


PHOTOMETRIC DATA (SIMULATED):

LUMINUS

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 %



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

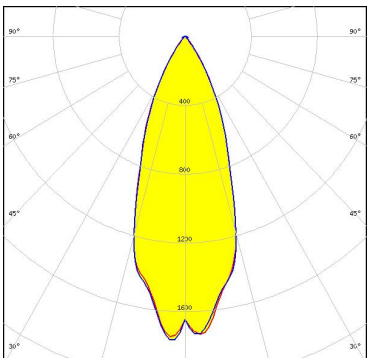
LED	NCSU334B
FWHM	39.0°
Efficiency	75 %
LEDs/each optic	1
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ± 10 %

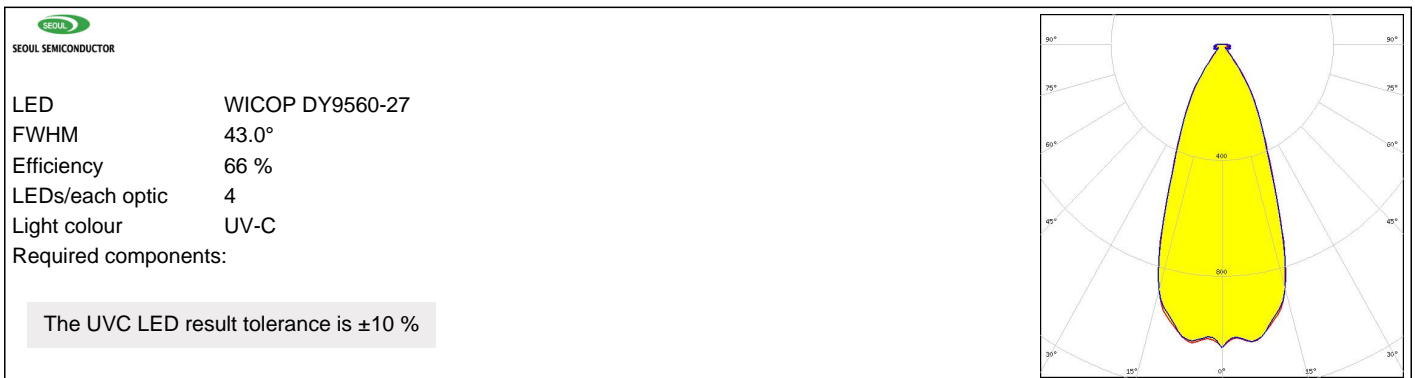


SAMSUNG

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:

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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