

PRODUCT DATASHEET FN17818_VIOLET-12X1-W

VIOLET-12X1-W

~60° wide beam

SPECIFICATION:

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



MATERIALS:

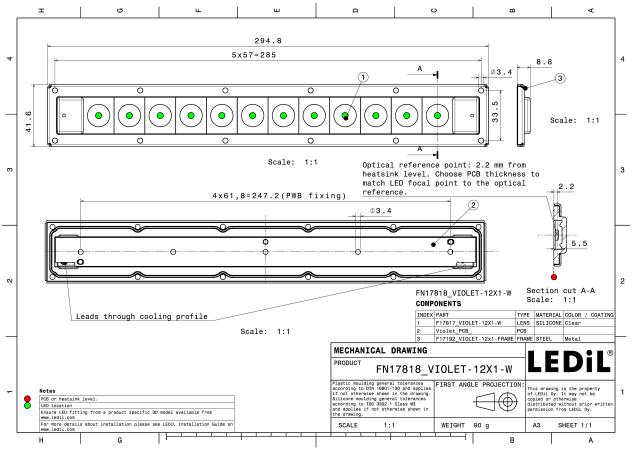
Component	Туре	Material	Colour	Finish
VIOLET-12X1-W	Multi-lens	Silicone	clear	
VIOLET-12X1-FRAME	Accessory	Stainless steel	metal	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN17818_VIOLET-12X1-W	Multi-lens	78	26	26	7.8
» Box size: 398 x 298 x 150 mm					

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



LED	LIGHT ENGINE VIOLET UVC 281 x 19.2mm (KL265-50V-SM-WD)
FWHM / FWTM	46.0° / 67.0°
Efficiency	74 %
LEDs/each optic	1
Light colour	UV-C
Required compone	ents:

🚺 CrayoNano

LED	CLH-N3S	
FWHM / FWTM	60.0° / 79.0°	
Efficiency	74 %	
LEDs/each optic	1	
Light colour	UV-C	
Required components:		

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

Crystal *****IS^{*}

LED	KL265-50V-SM-WD	
FWHM / FWTM	55.0° / 73.0°	
Efficiency	67 %	
LEDs/each optic	1	
Light colour	UV-C	
Required components:		

The UVC LED result tolerance is ±10 %

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LED	110384-GC VIOLET
FWHM / FWTM	63.0° / 84.0°
Efficiency	74 %
LEDs/each optic	1
Light colour	UV-C
Required componer	nts:



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LED	110384-GM VIOLET	
FWHM / FWTM	64.0° / 85.0°	
Efficiency	75 %	
LEDs/each optic	1	
Light colour	UV-C	
Required components:		

The UVC LED result tolerance is ±10 %

LITEON

LED	LTPL-G35UV275GC-E	
FWHM / FWTM	51.0° / 71.0°	
Efficiency	76 %	
LEDs/each optic	1	
Light colour	UV-C	
Required components:		

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

LITEON

LED	LTPL-G35UV275GR-E	
FWHM / FWTM	54.0° / 73.0°	
Efficiency	75 %	
LEDs/each optic	1	
Light colour	UV-C	
Required components:		

The UVC LED result tolerance is ±10 %

LITEON

 LED
 LTPL-G35UVC275GH

 FWHM / FWTM
 55.0° / 73.0°

 Efficiency
 75 %

 LEDs/each optic
 1

 Light colour
 UV-C

 Required components
 UV-C



LITEON

LED	LTPL-G35UVC275GZ	
FWHM / FWTM	53.0° / 73.0°	
Efficiency	74 %	
LEDs/each optic	1	
Light colour	UV-C	
Required components:		

The UVC LED result tolerance is ±10 %

XBT-3535-UV		
56.0° / 75.0°		
75 %		
1		
UV-C		
Required components:		

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

LED	XFM-5050 2 Die	
FWHM / FWTM	56.0° / 76.0°	
Efficiency	67 %	
LEDs/each optic	1	
Light colour	UV-C	
Required components:		

The UVC LED result tolerance is ± 10 %

LEDXFM-5050 3 DieFWHM / FWTM54.0° / 77.0°Efficiency65 %LEDs/each optic1Light colourUV-CRequired components



LED	XST-3535-UV
FWHM / FWTM	37.0° / 58.0°
Efficiency	77 %
LEDs/each optic	1
Light colour	UV-C
Required componer	nts:

The UVC LED result tolerance is ± 10 %

※LUMITRONIX®

Violet UVC LED-Modul 280nm
59.0° / 78.0°
76 %
1
UV-C
s:

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

ØNICHIΛ

LED	NCSU334A
FWHM / FWTM	52.0° / 73.0°
Efficiency	79 %
LEDs/each optic	1
Light colour	UV-C
Required compone	ents:

The UVC LED result tolerance is ±10 %

ΜΝΙCΗΙΛ

 LED
 NCSU334B

 FWHM / FWTM
 53.0° / 73.0°

 Efficiency
 75 %

 LEDs/each optic
 1

 Light colour
 UV-C

 Required components:



OSRAM

LED	CLE LED module with UV-C (SU CULCN1.VC)
FWHM / FWTM	55.0° / 74.0°
Efficiency	58 %
LEDs/each optic	1
Light colour	UV-C
Required componen	ts:

The UVC LED result tolerance is ±10 %

OSRAM Opto Semiconductors

LED	OSLON UV 6060 (SU CZHPF1.VC)
FWHM / FWTM	56.0° / 75.0°
Efficiency	67 %
LEDs/each optic	1
Light colour	UV-C
Required compone	nts:

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

SAMSUNG

LED	UV351A
FWHM / FWTM	62.0° / 79.0°
Efficiency	77 %
LEDs/each optic	1
Light colour	UV-C
Required compone	nts:

The UVC LED result tolerance is ±10 %

SAMSUNG

 LED
 UV353B

 FWHM / FWTM
 65.0° / 82.0°

 Efficiency
 70 %

 LEDs/each optic
 1

 Light colour
 UV-C

 Required componentiation
 UV-C



SEOUL SEMICONDUCTOR	
LED	CUD7GF1B
FWHM / FWTM	48.0° / 68.0°
Efficiency	70 %
LEDs/each optic	1
Light colour	UV-C
Required compone	
The UVC LE	D result tolerance is ±10 %
SEOUL	
SEOUL SEMICONDUCTOR	
	01070544
LED FWHM / FWTM	CUD7QF1A 43.0° / 66.0°
	43.0° / 66.0° 69 %
Efficiency LEDs/each optic	69 % 1
LEDS/each optic	UV-C
Required component	
	D result tolerance is ±10 %
The UVC LE	D result tolerance is ±10 %
SEOUL	
SEOUL SEMICONDUCTOR	
LED	XMD-FBC-LLCA
FWHM / FWTM	51.0° / 72.0°
Efficiency	68 %
LEDs/each optic	1
Light colour	UV-C
Required component	nts:
The UVC LE	D result tolerance is ±10 %
SEOUL SEOUL SEMICONDUCTOR	
SLOUL SEMICONDUCTOR	
LED	XMD-FBC-LLOA
FWHM / FWTM	50.0° / 75.0°
Efficiency	73 %
LEDs/each optic	2
Light colour	UV-C
Required component	
The LIVC LE	D result tolerance is ±10 %



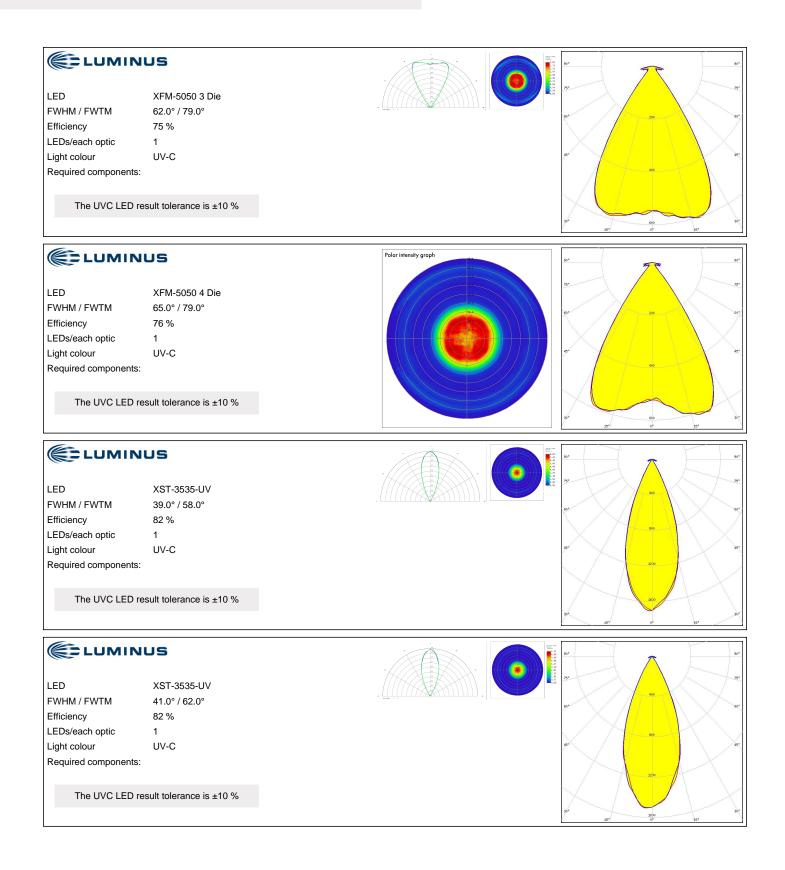
SEOUL	
SEOUL SEMICONDUCTOR	
LED	XMD-FBC-LLVA
FWHM / FWTM	53.0° / 76.0°
Efficiency	70 %
LEDs/each optic	4
Light colour	UV-C
Required componer	its:

The UVC LED result tolerance is ±10 %











MICHIΛ		Polar intensity graph	50°
LED	NC4U334BR		75
FWHM / FWTM	64.0° / 77.0°	4.9	
Efficiency	82 %		602 000
LEDs/each optic	1		
Light colour	UV-C		400
Required components			
The UVC LED	result tolerance is ±10 %		20 ¹⁰ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰
MICHIΛ			
LED	NCSU334B		73
LED FWHM / FWTM	NCSU334B 62.0° / 76.0°		200
Efficiency	82 %		60* 69
LEDs/each optic	1		
Light colour	UV-C		400
Required components			
			200
The UVC LED	result tolerance is ±10 %		20° 25° 00 15°
The UVC LED	result tolerance is ±10 %	Polar intensity graph	
ØΝΙCΗΙΛ		Polar intensity graph	
	NCSU434A	Polar intensity graph	
NICHIA LED FWHM / FWTM	NCSU434A 60.0° / 74.0°	Polor intensity graph	
ED FWHM / FWTM Efficiency	NCSU434A 60.0° / 74.0° 82 %	Polor intensity graph	
ED FWHM / FWTM Efficiency LEDs/each optic	NCSU434A 60.0° / 74.0° 82 % 1	Polor intensity graph	
ED FWHM / FWTM Efficiency LEDs/each optic Light colour	NCSU434A 60.0° / 74.0° 82 % 1 UV-C	Polor intensity graph	
ED FWHM / FWTM Efficiency LEDs/each optic	NCSU434A 60.0° / 74.0° 82 % 1 UV-C	Polor intensity graph	
EED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components	NCSU434A 60.0° / 74.0° 82 % 1 UV-C 3:	Polar intensity graph	
EED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components	NCSU434A 60.0° / 74.0° 82 % 1 UV-C	Polar intensity graph	
EED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components	NCSU434A 60.0° / 74.0° 82 % 1 UV-C 3:	Polor intensity graph	
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components The UVC LED	NCSU434A 60.0° / 74.0° 82 % 1 UV-C s:		
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components The UVC LED	NCSU434A 60.0° / 74.0° 82 % 1 UV-C 3: result tolerance is ±10 %		
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components The UVC LED MICHIN	NCSU434A 60.0° / 74.0° 82 % 1 UV-C 5: result tolerance is ±10 % NCSU434B 61.0° / 76.0°		
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components The UVC LED MICHIN LED FWHM / FWTM Efficiency	NCSU434A 60.0° / 74.0° 82 % 1 UV-C 3: result tolerance is ±10 % NCSU434B 61.0° / 76.0° 81 %		
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components The UVC LED MICHIN LED FWHM / FWTM Efficiency LEDs/each optic	NCSU434A 60.0° / 74.0° 82 % 1 UV-C 3: result tolerance is ±10 % NCSU434B 61.0° / 76.0° 81 % 1		
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components The UVC LED MICHIN LED FWHM / FWTM Efficiency	NCSU434A 60.0° / 74.0° 82 % 1 UV-C 5: result tolerance is ±10 % NCSU434B 61.0° / 76.0° 81 % 1 UV-C		
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components The UVC LED MICHIA LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components	NCSU434A 60.0° / 74.0° 82 % 1 UV-C 5: result tolerance is ±10 % NCSU434B 61.0° / 76.0° 81 % 1 UV-C		



OSRAM Opto Semiconductors		Polar intensity graph	39° 37° 38°
LED	OSLON UV 6060 (SU CZHEF1.VC)		79* 75*
FWHM / FWTM	64.0° / 79.0°		
Efficiency	67 %	20.0	60 200 80
LEDs/each optic	1		
Light colour	UV-C		a.
Required components:			
The UVC LED res	sult tolerance is ±10 %		36° 127° 0° 22° 36°
OSRAM Opto Semiconductors		Polar intensity graph	50° 50°
		7.0 7.7	73.
LED	OSLON UV 6060 (SU CZHPF1.VC)		
FWHM / FWTM	62.0° / 79.0°	100	60° 60°
Efficiency	69 %		
LEDs/each optic	1		
Light colour	UV-C		42°
Required components:			400
The UVC LED res	sult tolerance is ±10 %		34 25 00 55 36
SEQUE			100 100
SEOUL SEMICONDUCTOR		· · · ·	20 20 20 20 20 20 20 20 20 20
LED	CUD7GF1B		- 550 - 751 - 751
FWHM / FWTM	65.0° / 79.0°	lander 4 4	200
Efficiency	78 %		60°
LEDs/each optic	1		
Light colour	UV-C		az. az.
Required components:			
The UVC LED res	sult tolerance is ± 10 %		
			30° 30° 30°
SEOUL			a0. do.
SEOUL SEMICONDUCTOR			
LED	CUD8AF4D		75
FWHM / FWTM	71.0° / 87.0°	+ 1 + 27 Texture in the Control of t	
Efficiency	88 %	An exclude A.A. An exclude A.A. A.A. An exclude A.A. An exclude A.A. A.	
LEDs/each optic	1	Die Delleni	
Light colour	UV-B		azr az.
Required components:			
			20 ¹⁷



SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	CUN66A1B 62.0° / 77.0° 89 % 1 UV-A		30, 00 00 62, 900 900 900 900 900 910 900 900 910 900 900 910 900 900 910 900 900
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: The UVC LED re	WICOP DY9560-27 59.0° / 73.0° 74 % 1 UV-C	Polor intensity graph	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: The UVC LED re	WICOP DY9560-27 57.0 + 59.0° / 72.0 + 76.0° 73 % 2 UV-C esult tolerance is ±10 %		25° 0° 12° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: The UVC LED re	WICOP DY9560-27 59.0° / 77.0° 73 % 4 UV-C		2 ³ ⁴ 2 ⁵ , 0 ⁴ 2 ⁵ , 2 ⁵



<u>STANLEY</u>		Polar intensity graph	50°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components	ZEUBE265 Series 57.0° / 71.0° 75 % 1 UV-C		20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -
The UVC LED r	result tolerance is ±10 %		34 ¹⁶ 35 ¹ 6 ¹ 35 ¹



PRODUCT DATASHEET FN17818_VIOLET-12X1-W

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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LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/ where_to_buy