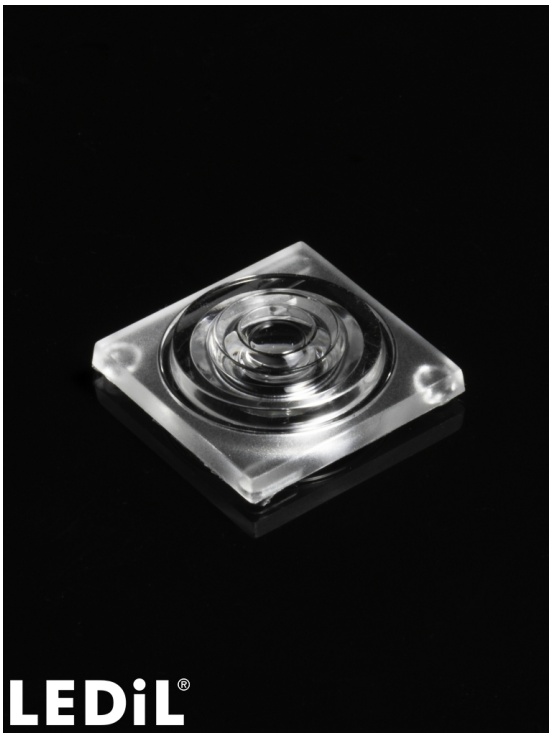
VIOLETTA-W

~60° wide beam



TECHNICAL SPECIFICATIONS:

Dimensions	21.7 x 21.7 mm
Height	6.5 mm
Fastening	pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

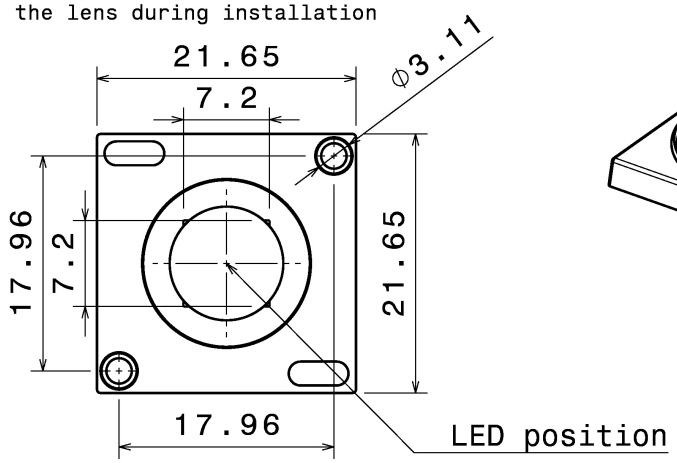
Component	Type	Material	Colour	Finish
VIOLETTA-W	Single lens	Silicone	clear	gloss

ORDERING INFORMATION:

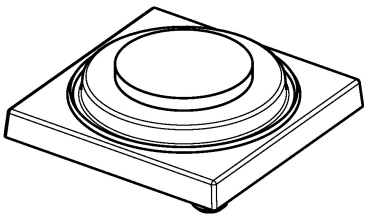
Component	Qty in box	MOQ	MPQ	Box weight (kg)
F17826_VIOLETTA-W » Box size: 485 x 280 x 100 mm	2025	270	135	4.3

Note:
Avoid applying pressure on the centre of the lens during installation

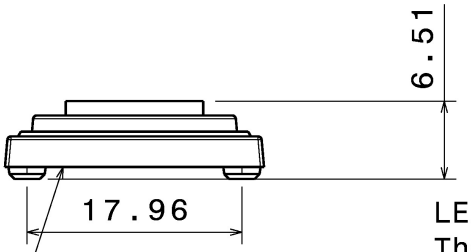
DATE
02.06.2020



Bottom view
Scale: 2:1



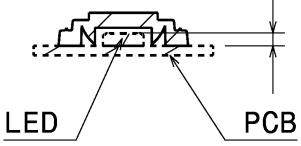
Isometric View
Scale: 2:1



Front View
Scale: 2:1

PCB top surface

LED position:
The recommended tolerance in z-position is ± 0.1 mm



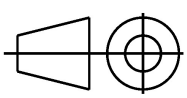
PART	TYPE	MATERIAL	COLOR / COATING
F17826_VIOLETTA-W			

MECHANICAL DRAWING

PRODUCT
VIOLETTA

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:



SCALE 2:1 | WEIGHT 1.3g | A4 SHEET 1/1

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

PHOTOMETRIC DATA (MEASURED):

Crystal IS

LED	KL265-50V-SM-WD
FWHM / FWTM	48.0° / 68.0°
Efficiency	62 %
LEDs/each optic	1
Light colour	UV-C

Required components:

The UVC LED result tolerance is ±10 %

LASER COMPONENTS

LED	S3535-DR100-W272-P40
FWHM / FWTM	52.0° / 72.0°
Efficiency	81 %
LEDs/each optic	1
Light colour	UV-C

Required components:

The UVC LED result tolerance is ±10 %

LUMINUS

LED	XFM-5050 2 Die
FWHM / FWTM	56.0° / 74.0°
Efficiency	65 %
LEDs/each optic	1
Light colour	UV-C

Required components:

The UVC LED result tolerance is ±10 %

LUMINUS

LED	XFM-5050 3 Die
FWHM / FWTM	55.0° / 73.0°
Efficiency	78 %
LEDs/each optic	1
Light colour	UV-C

Required components:

The UVC LED result tolerance is ±10 %

PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED	OSLON UV 3636 (SU CULBN1.VC)
FWHM / FWTM	54.0° / 76.0°
Efficiency	77 %
LEDs/each optic	1
Light colour	UV-C

Required components:

The UVC LED result tolerance is ±10 %

OSRAM Opto Semiconductors

LED	OSLON UV 3636 (SU CULDN1.VC)
FWHM / FWTM	57.0° / 79.0°
Efficiency	80 %
LEDs/each optic	1
Light colour	UV-C

Required components:

The UVC LED result tolerance is ±10 %

OSRAM Opto Semiconductors

LED	OSLON UV 6060 (SU CZHPF1.VC)
FWHM / FWTM	53.0° / 72.0°
Efficiency	75 %
LEDs/each optic	1
Light colour	UV-C

Required components:

The UVC LED result tolerance is ±10 %

STANLEY

LED	ZEUBE265 Series
FWHM / FWTM	43.0° / 63.0°
Efficiency	71 %
LEDs/each optic	1
Light colour	UV-C

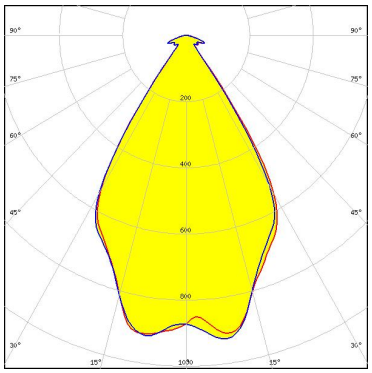
Required components:

The UVC LED result tolerance is ±10 %

PHOTOMETRIC DATA (SIMULATED):

bridgelux

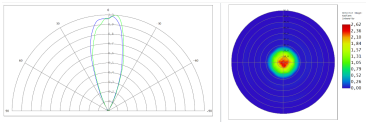
LED	Bridgelux SMD 5050
FWHM / FWTM	64.0° / 76.0°
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

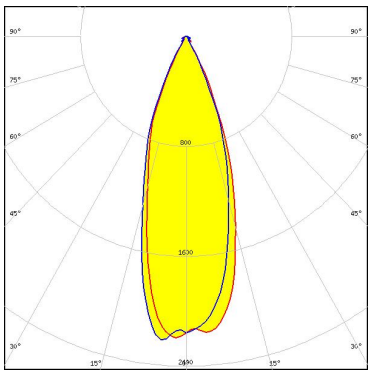


LUMINUS

LED	XST-3535-UV
FWHM / FWTM	36.0° / 54.0°
Efficiency	86 %
LEDs/each optic	1
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ±10 %

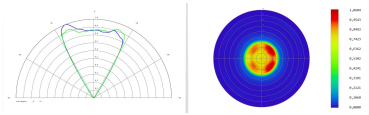


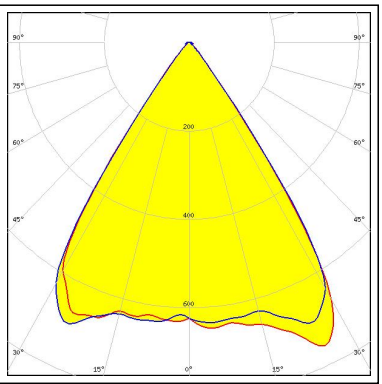


NICHIA

LED	NCSU334A
FWHM / FWTM	62.4° / 71.6°
Efficiency	86 %
LEDs/each optic	1
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ±10 %

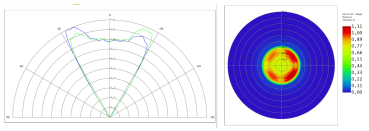


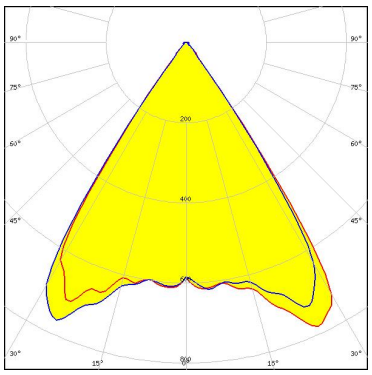


NICHIA

LED	NCSU334B
FWHM / FWTM	61.0° / 69.0°
Efficiency	84 %
LEDs/each optic	1
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ±10 %



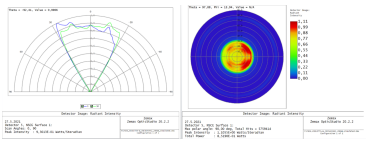


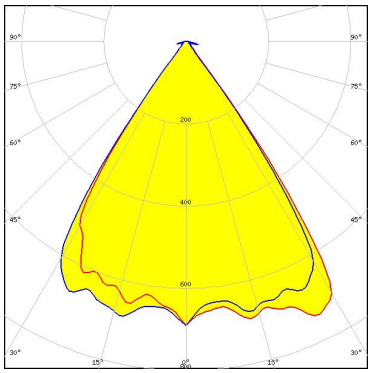
PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NCSU434A
FWHM / FWTM	61.0° / 64.0°
Efficiency	85 %
LEDs/each optic	1
Light colour	UV-C
Required components:	

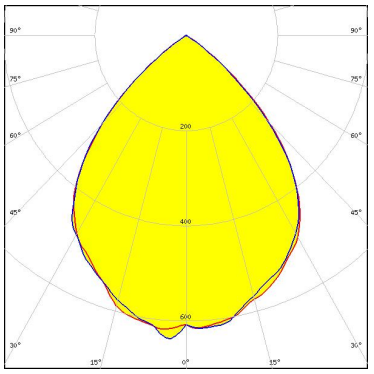
The UVC LED result tolerance is ±10 %





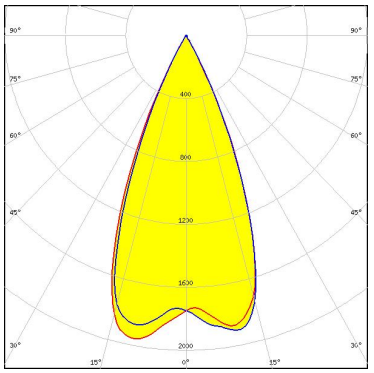
NICHIA

LED	NVSU233B
FWHM / FWTM	84.0° / 108.0°
Efficiency	98 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	UV-A
Required components:	



NICHIA

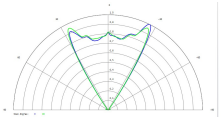
LED	NVSU233B-D4
FWHM / FWTM	45.0° / 58.0°
Efficiency	97 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	UV-A
Required components:	

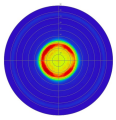


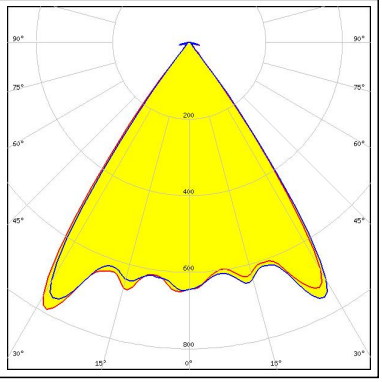
OSRAM
Opto Semiconductors

LED	OSLON UV 3636 (SU CULDN1.VC)
FWHM / FWTM	63.0° / 72.0°
Efficiency	84 %
LEDs/each optic	1
Light colour	UV-C
Required components:	

The UVC LED result tolerance is ±10 %







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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