

VIOLETTA-S

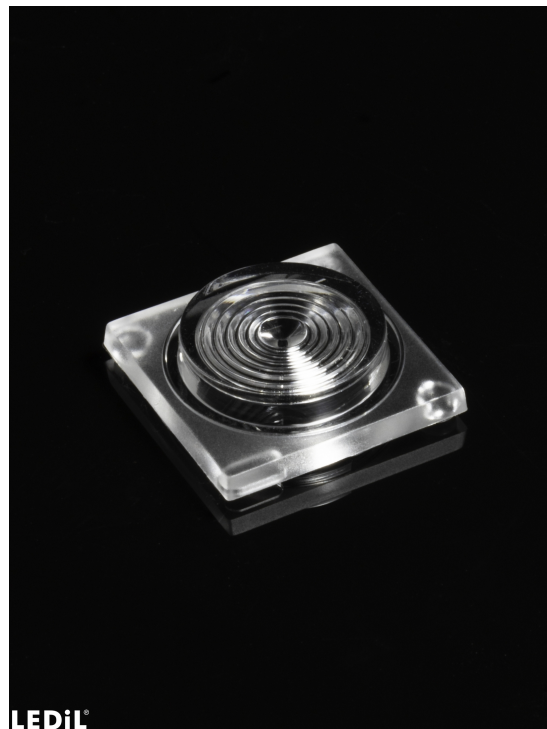
~15° spot beam

SPECIFICATION:

Dimensions	21.7 x 21.7 mm
Height	6.6 mm
Fastening	pin
ROHS compliant	yes ⓘ

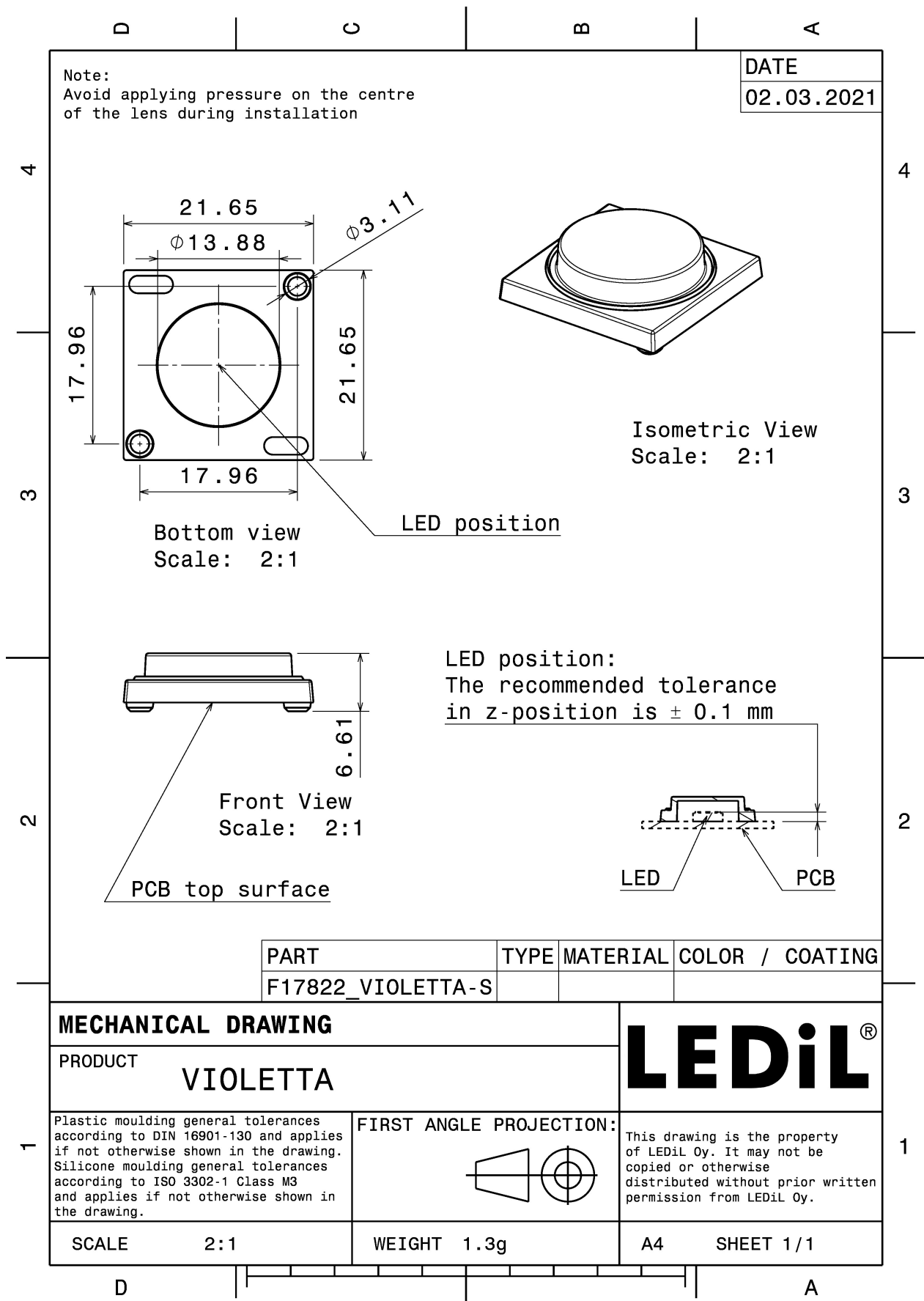
MATERIALS:

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



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F17822_VIOLETTA-S » Box size: 485 x 280 x 100 mm	1620	270	135	3.5



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

OPTICAL RESULTS (MEASURED):



LED Bolb UV-C 6060 SMD
FWHM / FWTM 20.0° / 41.0°
Efficiency 56 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED CLH-N3S
FWHM / FWTM 19.0° / 45.0°
Efficiency 73 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED KL265-50V-SM-WD
FWHM / FWTM 15.0° / 32.0°
Efficiency 52 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED S3535-DR100-W272-P40
FWHM / FWTM 21.0° / 35.0°
Efficiency 72 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

OPTICAL RESULTS (MEASURED):



LED XFM-5050 2 Die
FWHM / FWTM 29.0° / 53.0°
Efficiency 56 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED XFM-5050 3 Die
FWHM / FWTM 24.0° / 55.0°
Efficiency 73 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED OSLOM UV 3636 (SU CULBN1.VC)
FWHM / FWTM 10.0° / 21.0°
Efficiency 67 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED OSLOM UV 3636 (SU CULDN1.VC)
FWHM / FWTM 16.0° / 35.0°
Efficiency 70 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

LED OSLON UV 6060 (SU CZHEF1.VC)
FWHM / FWTM 20.0° / 35.0°
Efficiency 61 %
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 20.0° / 41.0°
Efficiency 66 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

SAMSUNG

LED UV351A
FWHM / FWTM 10.0° / 22.0°
Efficiency 64 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

SAMSUNG

LED UV351B
FWHM / FWTM 10.0° / 24.0°
Efficiency 64 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED UV352B
FWHM / FWTM 10.0° / 22.0°
Efficiency 63 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

SAMSUNG

LED UV353B
FWHM / FWTM 14.0° / 31.0°
Efficiency 63 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

STANLEY

LED ZEUBE265 Series
FWHM / FWTM 22.0° / 45.0°
Efficiency 60 %
LEDs/each optic 1
Light colour UV-C
Required components:

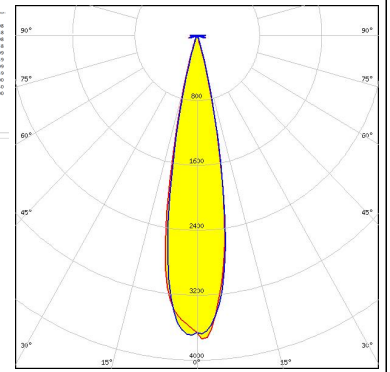
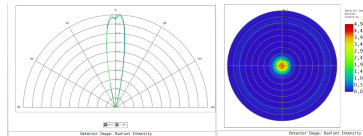
The UVC LED result tolerance is ± 10 %

OPTICAL RESULTS (SIMULATED):

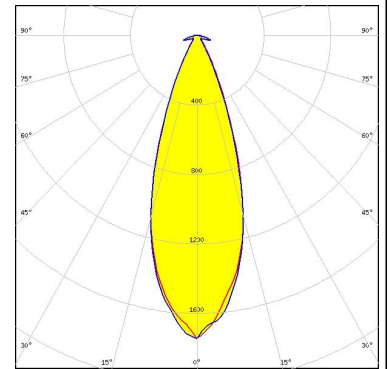


LED Bolb UV-C 6060 SMD
 FWHM / FWTM 20.0° / 33.0°
 Efficiency 72 %
 LEDs/each optic 1
 Light colour UV-C
 Required components:

The UVC LED result tolerance is ± 10 %

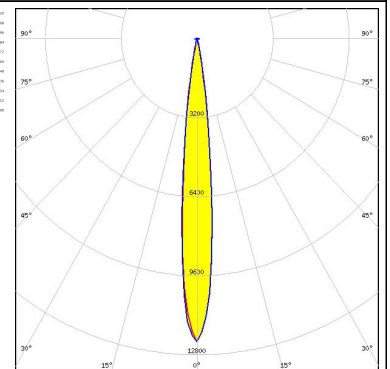
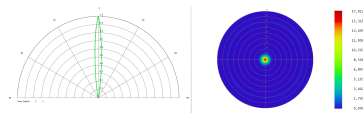


LED Bridgelux SMD 5050
 FWHM / FWTM 35.0° / 60.0°
 Efficiency 89 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



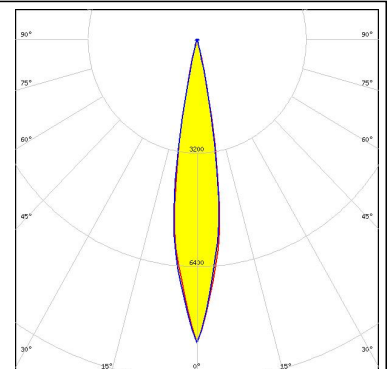
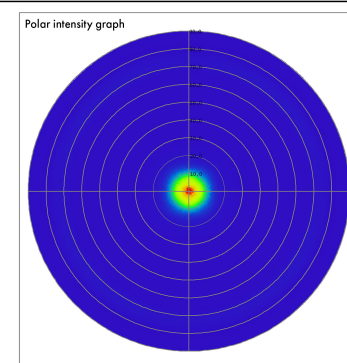
LED XBT-1313
 FWHM / FWTM 9.4° / 19.0°
 Efficiency 78 %
 LEDs/each optic 1
 Light colour UV-C
 Required components:

The UVC LED result tolerance is ± 10 %



LED XBT-3535-UV
 FWHM / FWTM 16.0° / 25.0°
 Efficiency 81 %
 LEDs/each optic 1
 Light colour UV-C
 Required components:

The UVC LED result tolerance is ± 10 %

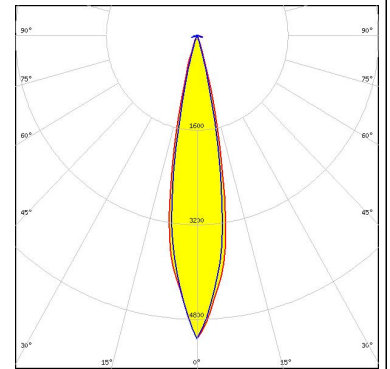
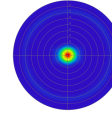
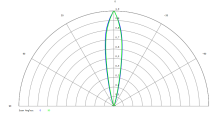


OPTICAL RESULTS (SIMULATED):



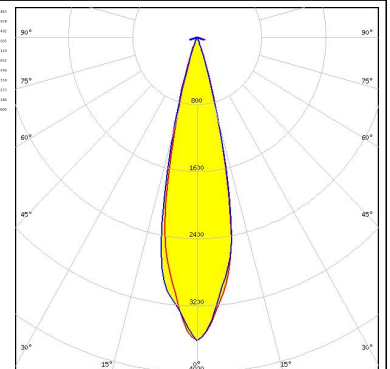
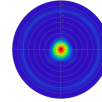
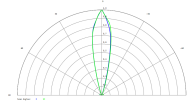
LED XFM-5050 2 Die
FWHM / FWTM 19.0° / 33.0°
Efficiency 78 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



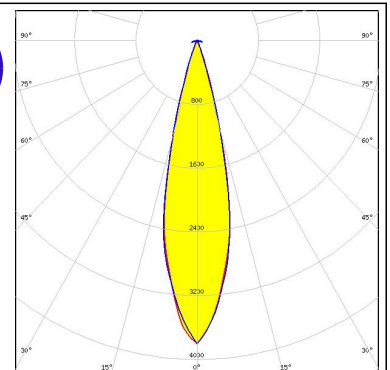
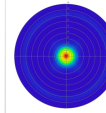
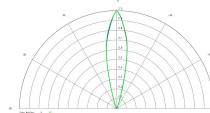
LED XFM-5050 3 Die
FWHM / FWTM 23.0° / 35.0°
Efficiency 78 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



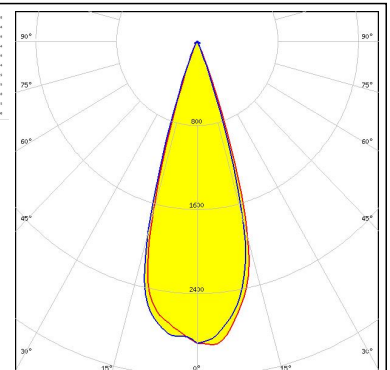
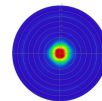
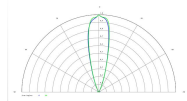
LED XFM-5050 4 Die
FWHM / FWTM 23.0° / 37.0°
Efficiency 79 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED XST-3535-UV
FWHM / FWTM 28.0° / 47.0°
Efficiency 77 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

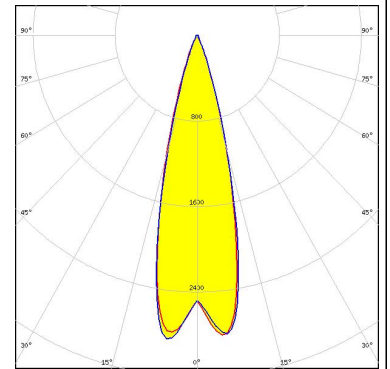
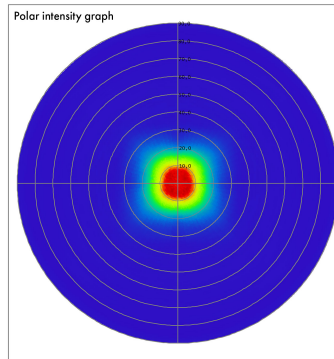


OPTICAL RESULTS (SIMULATED):

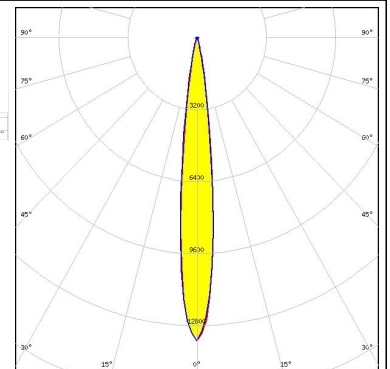
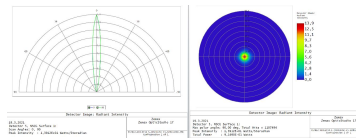


LED NC4U334BR
FWHM / FWTM 28.0° / 44.0°
Efficiency 81 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

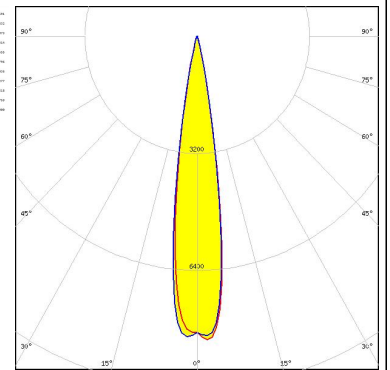
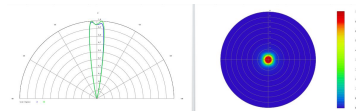


LED NCSU276C
FWHM / FWTM 12.0° / 24.0°
Efficiency 92 %
LEDs/each optic 1
Light colour UV-A
Required components:



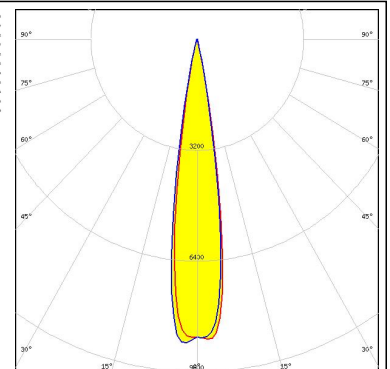
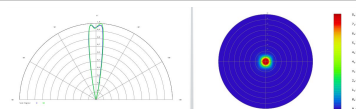
LED NCSU334A
FWHM / FWTM 17.6° / 26.2°
Efficiency 82 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



LED NCSU334B
FWHM / FWTM 17.0° / 25.5°
Efficiency 83 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

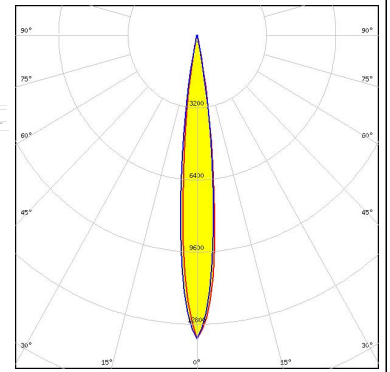
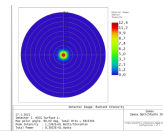
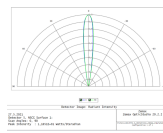


OPTICAL RESULTS (SIMULATED):



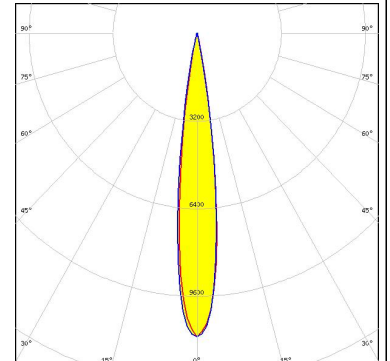
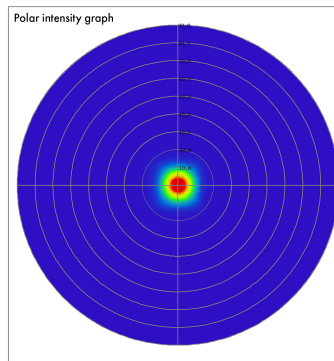
LED NCSU434A
FWHM / FWTM 13.0° / 22.0°
Efficiency 83 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %

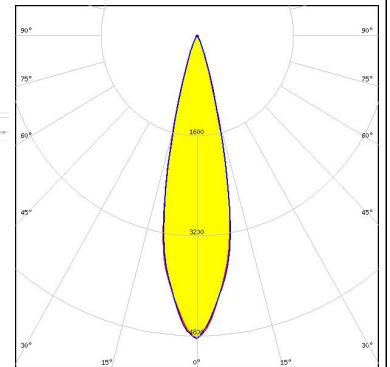
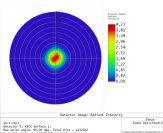
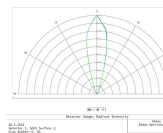


LED NCSU434B
FWHM / FWTM 16.0° / 25.0°
Efficiency 83 %
LEDs/each optic 1
Light colour UV-C
Required components:

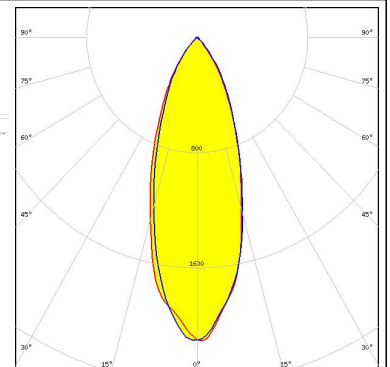
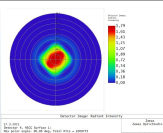
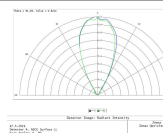
The UVC LED result tolerance is ± 10 %



LED NVSU233B
FWHM / FWTM 24.0° / 40.0°
Efficiency 92 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour UV-A
Required components:



LED NVSU233B-D4
FWHM / FWTM 37.0° / 74.0°
Efficiency 93 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour UV-A
Required components:

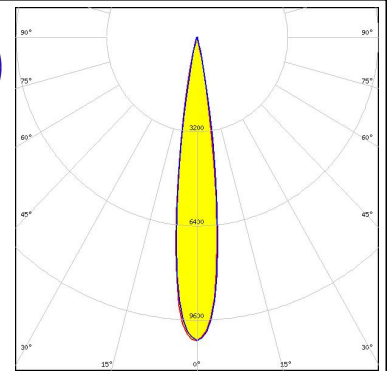
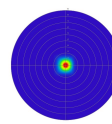
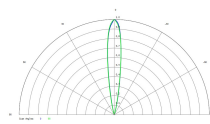


OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLOX UV 3636 (SU CULDN1.VC)
FWHM / FWTM 15.0° / 26.0°
Efficiency 82 %
LEDs/each optic 1
Light colour UV-C
Required components:

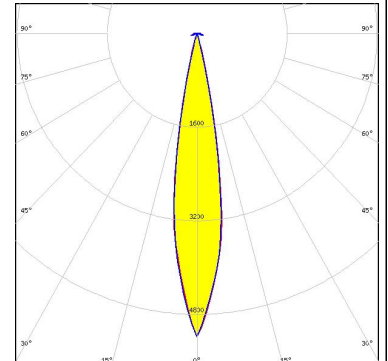
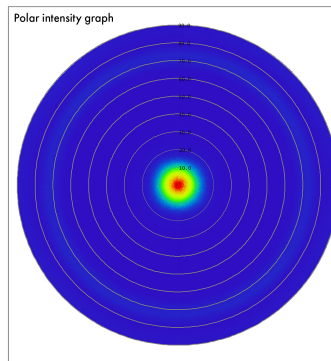
The UVC LED result tolerance is ± 10 %



OSRAM
Opto Semiconductors

LED OSLOX UV 6060 (SU CZHEF1.VC)
FWHM / FWTM 17.0° / 28.0°
Efficiency 71 %
LEDs/each optic 1
Light colour UV-C
Required components:

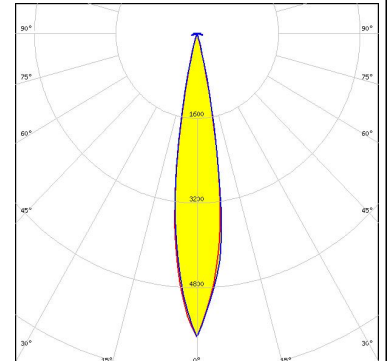
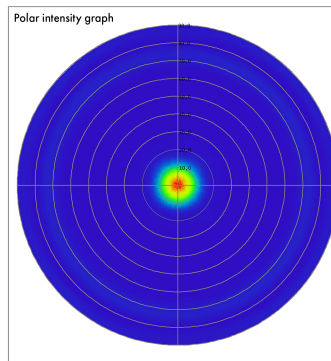
The UVC LED result tolerance is ± 10 %



OSRAM
Opto Semiconductors

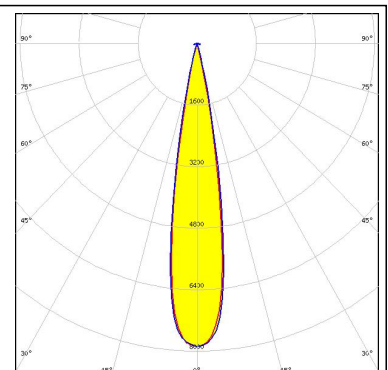
LED OSLOX UV 6060 (SU CZHPF1.VC)
FWHM / FWTM 16.0° / 27.0°
Efficiency 74 %
LEDs/each optic 1
Light colour UV-C
Required components:

The UVC LED result tolerance is ± 10 %



OSRAM
Opto Semiconductors

LED OSTAR Projection Compact (KW.CSLNM1.TG)
FWHM / FWTM 18.0° / 27.0°
Efficiency 90 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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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/
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Shipping locations

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Hong Kong, China

Distribution Partners

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