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LEDiL®

PRODUCT DATASHEET
FN17818_VIOLET-12X1-W

# VIOLET-12X1-W

**~60° wide beam**




## TECHNICAL SPECIFICATIONS:

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

## MATERIAL SPECIFICATIONS:

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

## ORDERING INFORMATION:

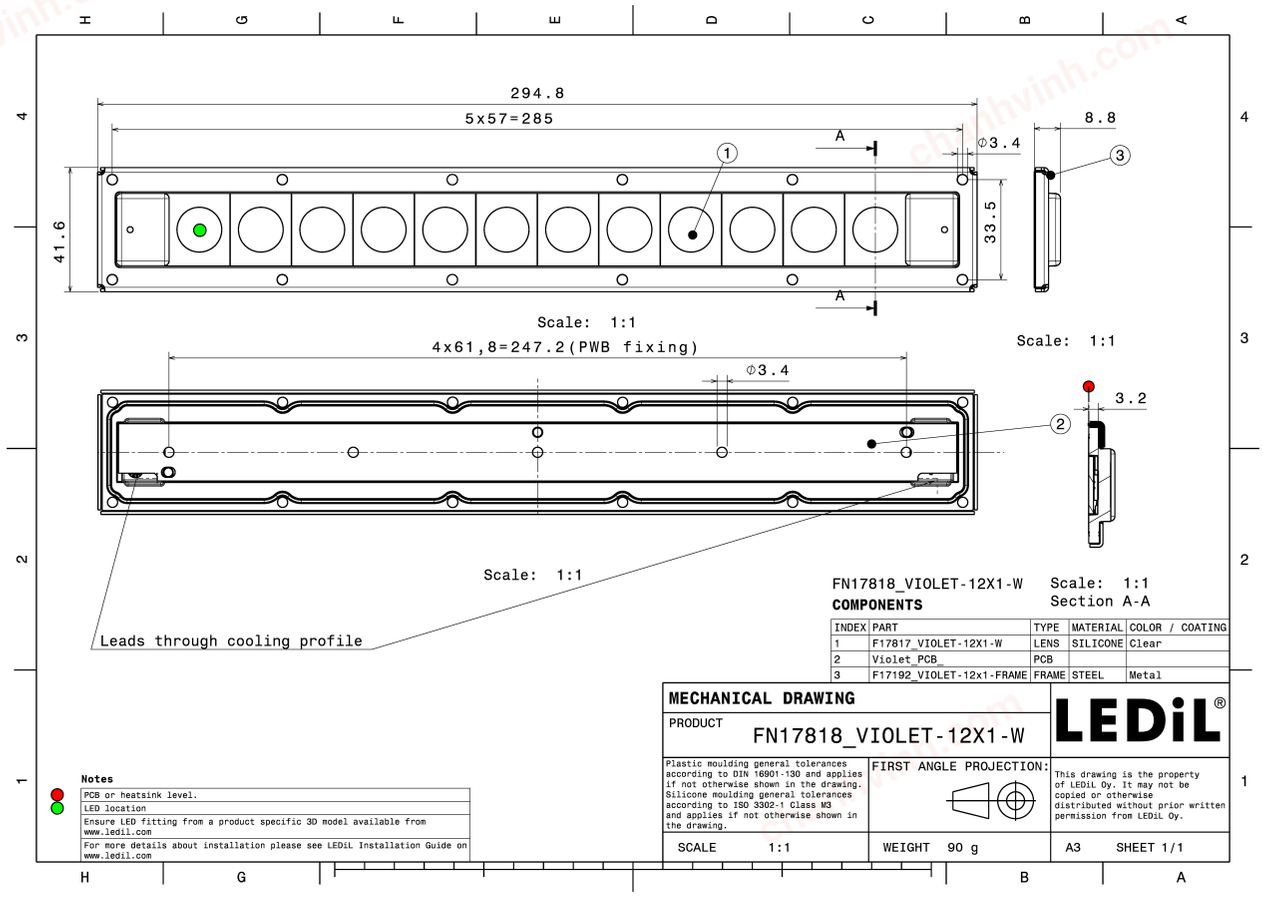
| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|---|
| FN17818_VIOLET-12X1-W<br>» Box size: 398 x 298 x 150 mm | Multi-lens | 78 | 26 | 26 | 7.8 |


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See also our general installation guide: [www.ledil.com/installation_guide](www.ledil.com/installation_guide)


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## PHOTOMETRIC DATA (MEASURED):

AUDAX ELECTRONICS

| | |
|---|---|
| LED | LIGHT ENGINE VIOLET UVC 281x19.2mm (KL265-50V-SM-WD) |
| FWHM | 46.0° |
| Efficiency | 74 % |
| 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 | 46.0° |
| Efficiency | 74 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %

LITEON

| | |
|---|---|
| LED | LTPL-G35UV275GC-E |
| FWHM | 51.0° |
| Efficiency | 76 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %

LITEON

| | |
|---|---|
| LED | LTPL-G35UV275GR-E |
| FWHM | 54.0° |
| Efficiency | 75 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %


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## PHOTOMETRIC DATA (MEASURED):

LITEON

| | |
|---|---|
| LED | LTPL-G35UVC275GH |
| FWHM | 55.0° |
| Efficiency | 75 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %

LITEON

| | |
|---|---|
| LED | LTPL-G35UVC275GZ |
| FWHM | 53.0° |
| Efficiency | 74 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %

LUMINUS

| | |
|---|---|
| LED | XBT-3535-UV |
| FWHM | 56.0° |
| Efficiency | 75 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %

LUMINUS

| | |
|---|---|
| LED | XST-3535-UV |
| FWHM | 37.0° |
| Efficiency | 77 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %


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## PHOTOMETRIC DATA (MEASURED):

NICHIA

| | |
|---|---|
| LED | NCSU334A |
| FWHM | 52.0° |
| Efficiency | 79 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %

NICHIA

| | |
|---|---|
| LED | NCSU334B |
| FWHM | 53.0° |
| Efficiency | 75 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %

SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | CUD7GF1B |
| FWHM | 48.0° |
| Efficiency | 70 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %

SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | CUD7QF1A |
| FWHM | 43.0° |
| Efficiency | 69 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %


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## PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | XMD-FBC-LLCA |
| FWHM | 51.0° |
| Efficiency | 68 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %

SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | XMD-FBC-LLOA |
| FWHM | 50.0° |
| Efficiency | 73 % |
| LEDs/each optic | 2 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %

SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | XMD-FBC-LLVA |
| FWHM | 53.0° |
| Efficiency | 70 % |
| LEDs/each optic | 4 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %


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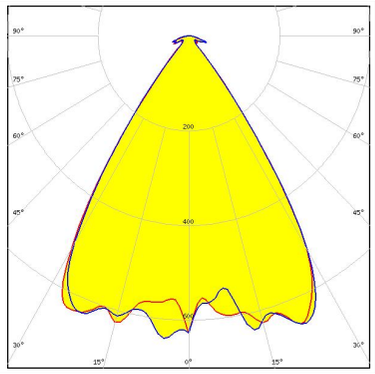
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## PHOTOMETRIC DATA (SIMULATED):

LUMINUS

| | |
|---|---|
| LED | XBT-3535-UV |
| FWHM | 65.0° |
| Efficiency | 80 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |
| Required components: | |

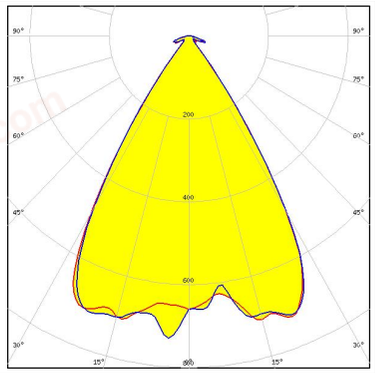
The UVC LED result tolerance is ±10 %



NICHIA

| | |
|---|---|
| LED | NCSU334B |
| FWHM | 62.0° |
| Efficiency | 82 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |
| Required components: | |

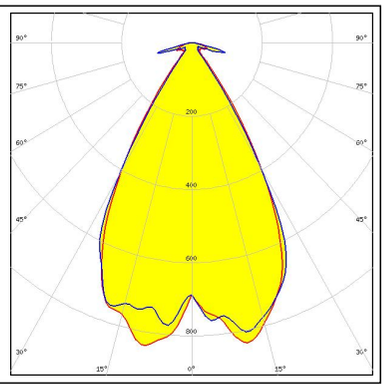
The UVC LED result tolerance is ±10 %



SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | WICOP DY9560-27 |
| FWHM | 57.0 + 59.0° |
| Efficiency | 73 % |
| LEDs/each optic | 2 |
| Light colour | UV-C |
| Required components: | |

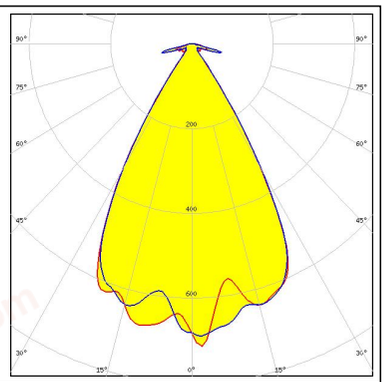
The UVC LED result tolerance is ±10 %



SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | WICOP DY9560-27 |
| FWHM | 59.0° |
| Efficiency | 74 % |
| LEDs/each optic | 1 |
| Light colour | UV-C |
| Required components: | |

The UVC LED result tolerance is ±10 %




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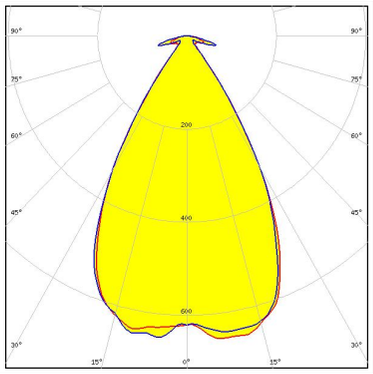
## PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | WICOP DY9560-27 |
| FWHM | 59.0° |
| Efficiency | 73 % |
| LEDs/each optic | 4 |
| Light colour | UV-C |

Required components:

The UVC LED result tolerance is ±10 %





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## 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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