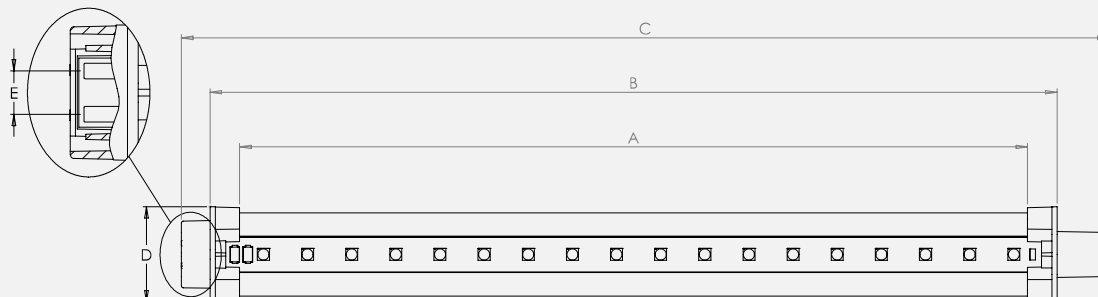


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|  | <b>Document type:</b> Product Technical Specification Sheet |  | Classification: Internal & External Use |                                |
|                                                                                   | <b>Title:</b> LED UV Lamp LED180-101                        |  | Document Code: QR 073/1 DATA 163        |                                |
|                                                                                   |                                                             |  | Issue: 6.0                              | Release:      Date: 29/09/2021 |

## LED UV Lamp

## LED180-101



| Product Details                |                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------|
| <b>Model Name:</b>             | <b>Genus</b> LED UV Lamp (18 LED)                                                   |
| <b>Model Number:</b>           | LED180-101                                                                          |
| <b>Placement/Application:</b>  | Indoors                                                                             |
| <b>Market Segment:</b>         | Commercial                                                                          |
| <b>Product Type:</b>           | Insect Light Trap                                                                   |
| <b>CE / RoHs / WEEE</b>        | Yes                                                                                 |
| <b>IEC built in LED module</b> |  |

| Electrical Specification                                                                                |                              |
|---------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Working Voltage Range (Vdc):</b>                                                                     | 18 to 21                     |
| <b>Working Insulation Voltage (V)</b>                                                                   | 250                          |
| <b>Input current (mAdc):</b>                                                                            | 250                          |
| <b>Input Power per strip (watts):</b>                                                                   | 5.3                          |
| <b>Number of LED per strip:</b>                                                                         | 18                           |
| <b>Accessible Metal Parts:</b><br><small>(Contact resistance to earth with 10 amp test current)</small> | N/A (Class II driven device) |

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| Physical Specification      |                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------|
| <b>Chassis Material:</b>    | Aluminium                                                                                  |
| <b>LED Strip connector:</b> | Bespoke  |
| <b>Dim A (mm):</b>          | 227                                                                                        |
| <b>Dim B (mm):</b>          | 244                                                                                        |
| <b>Dim C (mm):</b>          | 267                                                                                        |
| <b>Dim D (mm):</b>          | 27.5                                                                                       |
| <b>Gross Weight (g):</b>    | 80                                                                                         |

| Environmental                                 |                              |
|-----------------------------------------------|------------------------------|
| <b>Minimum Operating Temperature Ta (°C):</b> | -10                          |
| <b>Maximum Operating Temperature Ta (°C):</b> | +40                          |
| <b>Maximum LED Temperature Tc (°C):</b>       | +85                          |
| <b>IP Rating:</b>                             | 20                           |
| <b>Hg (%):</b>                                | 0 ( <i>Mercury Free</i> )    |
| <b>UV A Life:</b>                             | 26280 hrs ( <i>3 years</i> ) |

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|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| Packaging        |                                                                                     |
| EAN Barcode:     |  |
| Outer Packaging: | Cardboard                                                                           |

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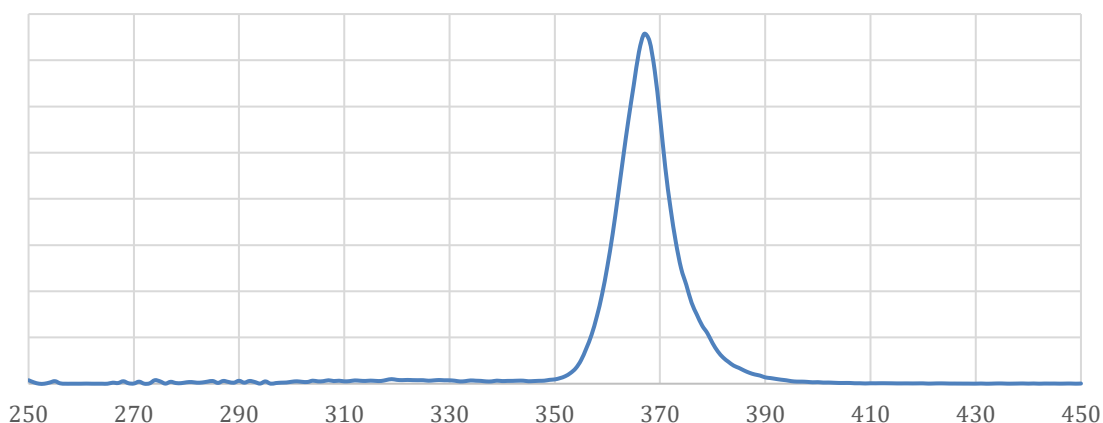
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## Radiation data

|                                                                      |            |
|----------------------------------------------------------------------|------------|
| <b>Radiation peak (nm):</b>                                          | 367        |
| <b>Colour:</b>                                                       | Blacklight |
| <b>Strip UV-A irradiance @1m (315 to 400nm) (uW/cm<sup>2</sup>):</b> | 73.0       |
| <b>Strip UV-B irradiance @1m 280 to 315nm (uW/cm<sup>2</sup>):</b>   | 1.13       |

Spectral Irradiance vs Wavelength nm



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## Safety Approvals

### Designed to meet International Safety Approval Standards

- EN 662471:2008 and IEC/TR 62778:2014 and blue light safety RG1

## Quality

Brandenburg UK Ltd is committed to delivering products and services that meet and exceed customer requirements and expectations by continually developing and improving our processes, products and services; with our commitment to ISO certification standards, statutory and legislative requirements, best practices and our devotion to continuous improvement. Brandenburg reserves the right to make ongoing improvements and to make changes.

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