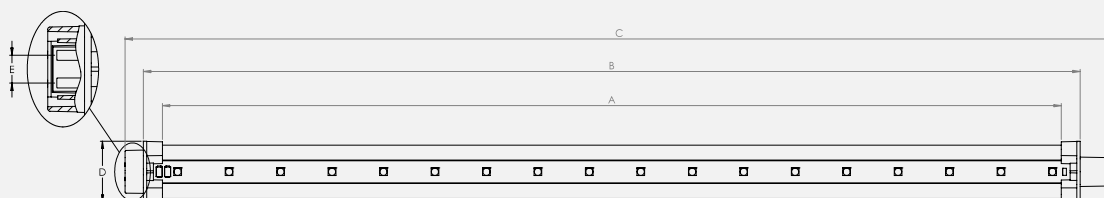


	Document type: Product Technical Specification Sheet		Classification: Internal & External Use	
	Title: LED UV Lamp LED 180-100		Document Code: QR 073/1 DATA 161	
			Issue: 7.0	Release: Date: 23/11/2021

LED UV Lamp

LED180-100



Product Details	
Model Name:	Genus LED UV Lamp (18 LED)
Model Number:	LED180-100
Placement/Application:	Indoors
Market Segment:	Commercial
Product Type:	Insect Light Trap
CE / RoHs / WEEE	Yes
IEC built in LED module	

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

BRANDENBURG UK LIMITED

29 Navigation Drive
Hurst Business Park,
Brierley Hill, West Midlands
DY5 1UT, UK

T: +44 (0) 1384 472 900
F: +44 (0) 1384 472 911
E: sales@b-one.com
W: www.b-one.com

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Physical Specification	
Chassis Material:	Aluminium
LED Strip connector:	Bespoke 
Dim A (mm):	403
Dim B (mm):	420
Dim C (mm):	443
Dim D (mm):	27.5
Gross Weight (g):	130

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

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Radiation data

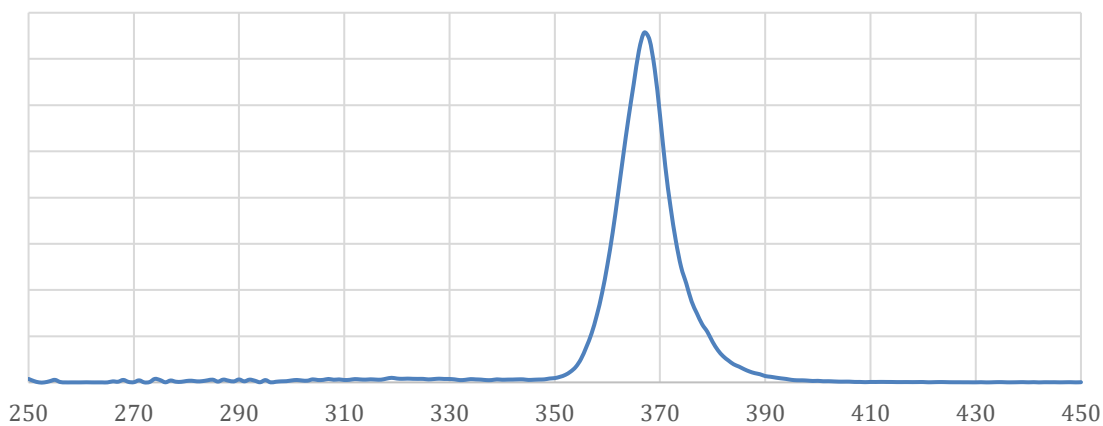
Radiation peak (nm): 367

Colour: Blacklight

**Strip UV-A irradiance
@1m (315 to 400nm)
($\mu\text{W}/\text{cm}^2$):** 73.0

**Strip UV-B irradiance
@1m 280 to 315nm
($\mu\text{W}/\text{cm}^2$):** 1.13

Spectral Irradiance vs Wavelength nm



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Safety Approvals

In unit testing standards	UL1559 –Insect control equipment CAN/CSA-C22 No.60335-1-16 - Household and similar EN 60598-2-1:1989 / EN 60598-1:2015;A1 – Lighting IEC60598 (CB) - IEC 60598-2-1:1979, IEC 60598-2-1:1979/AMD1:1987, IEC 60598-1:2014, IEC 60598-1:2014/AMD1:2017
Consumable part standards	BS EN IEC 62031: 2020- Electrical testing EN 662471:2008 and IEC/TR 62778:2014 and blue light safety RG1 IEC 61549: 2003 A2: 2010 Requirements Fragment Retention Lamps and deemed suitable for food industry applications

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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