

Solid-State UV Spot Light

Product Description

Agiltron's Solid-State UV uses high power UV LEDs as light sources for curing UV adhesives. Major advantages offered compared to traditional lamp based systems include: long life, low power consumption, and compact size. Agiltron's superior optical design achieves high light coupling efficiency exceeding 85% and uniform light spot intensity.

Features

- Compact
- Low Cost
- High Power
- Long Operation Life

The easy to use device can be switched on/off by either a front panel control or an optional foot switch.

The UV LED head is cooled by a quiet mini fan to enable continuous operation over long periods of time.

The exposure time and UV light power are adjustable.



Performance Specifications

Parameter	Description	Unit
Wavelength	365±5, 385±5, 405, 440	nm
UV irradiance	2.0 – 3.2 *	W/cm ²
Cure time	10 ~ 60 or longer	seconds
UV spot size	Φ4	mm
UV cure distance	20	mm
Cooling method	air cooling/fan blowing	NA
Operation life	30,000	hours

* Average intensity over the spot size Φ4mm at working distance

Applications

- Cure adhesive
- Coating



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(Model: SUV-01)

Recommended UV Epoxy

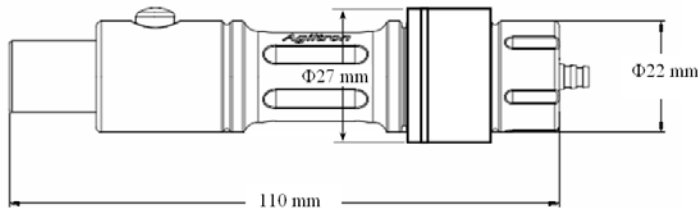
Supplier	Part Number
Loctite	3972
Epoxy Technology	OG603
Fiber Optic Center	AB9047, DSM956-105

Electrical Specifications

Component	Parameter	Unit
Power supply	AC 100 ~ 240	V
Fuse	0.5	A

Mechanical Footprint Dimensions

Component	Dimensions	Unit
UV LED head	Φ22.5 x 112	mm
Controller	160 x 150 x 80	mm



Standard hardwired cable is 1.5 m long.

Ordering Information

SUV-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Type	Wavelength	Lens	UV Power	UV Head Cord Length	UV Head Holder	Cooling Fan	Foot Switch	
Spot Light = 01 Special = 00	365 nm = 1 385 nm = 2 405 nm = 3 440 nm = 4	Standard = 1 Special = 0	Standard = 1 Special = 0	1.5 m = 1 Special = 0	Yes = 1 No = 0	Standard = 1 Special = 0	Yes = 1 No = 0	

STANDARD CONFIGURATION

SUV-011111111 Spot Light (365 nm) with standard lens, 1.5 m cable, holder, fan and foot switch

*Please contact Agiltron to discuss special configurations.
Replacement parts can be ordered separately.*

