

# 4-Head Solid-State UV Spot Light

## Product Description

Agiltron's 4-Head Solid-State UV Light 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.

Each head can be switched on/off either individually by front panel controls or simultaneously by an optional foot switch. The cure time and UV output power can be set independently. Each LED head features an integrated cooling fan.

## Features

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



## Applications

- UV Adhesive Curing
- UV Irradiation Experiments

## Performance Specifications

Parameter	Description	Unit
Wavelength	365±5, 385±5, 405, 440	nm
UV irradiance	2.0 ~ 3.2 *	W/cm <sup>2</sup>
Cure timer	1 ~ 255	seconds
UV spot size	4	mm
Working distance	20	mm
Cooling method	forced air, fan	
Operation life	30,000	hours

\* Average intensity over the spot size 4mm at working distance.



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## Recommended UV Epoxy

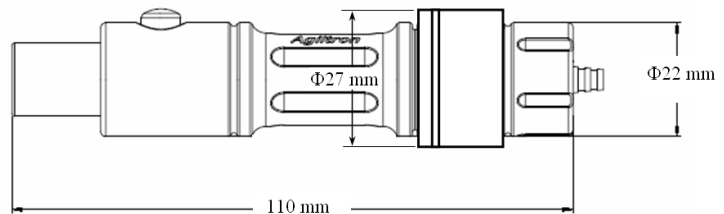
Supplier	Part Number
Loctite	3972
Epoxy Technology	OG603, OG198
Fiber Optic Center	AB9047, DSM956-105

## Electrical Specifications

Parameter	Description
AC adaptor power input	100 ~ 240 VAC, 50/60 Hz
Controller power input	12 V DC, 5A

## Mechanical Footprint Dimensions

Component	Dimensions	Unit
UV cure head	22 x 110	mm
Controller	120 x 85 x 200	mm



## Ordering Information

SUVC-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	UV Cure Head	Wavelength	Beam Size	UV Power	UV Head Cord Length	UV Head Holder	Cooling Fan	Foot Switch
	2-Head = 02 3-Head = 03 4-Head = 04	365 nm = 1 385 nm = 2 405 nm = 3 440 nm = 4	Φ4 mm = 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

**SUVC-041111111** 4 UV cure heads (365 nm, 1.5 m head cord, 4 mm beam size and cooling fan), a controller, a head holder and a foot switch.

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



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