

# 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 time	1 ~ 255	seconds
UV spot size	Φ4	mm
Working distance	20	mm
Cooling method	forced air, fan	
Operation life	30,000	hours

\* Average intensity over the spot size Φ4mm at working distance.



# 4-Head Solid-State UV Spot Light (Model SUV-03)

## Recommended UV Epoxy

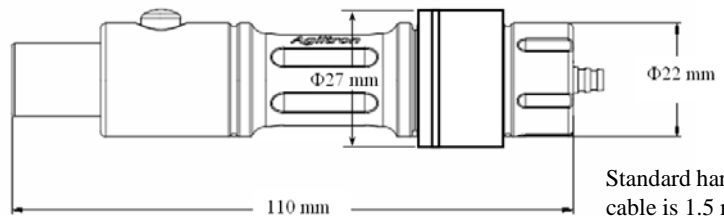
Supplier	Part Number
Loctite	3972
Epoxy Technology	OG603, OG198
Fiber Optic Center	AB9047, DSM956-105

## Electrical Specifications

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

## Mechanical Footprint Dimensions

Component	Dimensions	Unit
UV LED head	Φ22 x 110	mm
Controller	120 x 85 x 200	mm



Standard hardwired cable is 1.5 m long.

## Ordering Information

SUV-	Type	Wavelength	Lens	UV Power	UV Head Cord Length	UV Head Holder	Cooling Fan	Foot Switch
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	4-Head = 03 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-031111111** 4-Head 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.

