

SOLID-STATE UV LED SPOT CURE

Features

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

Applications

- ☑ Cure adhesive
- ☑ Coating



Product Description

DoctorUV'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. DoctorUV's superior optical design achieves high light coupling efficiency exceeding 85% and uniform light spot intensity.

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 Options	365±5, 385±5, 405, 440	nm
UV irradiance	4.5	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 4mm at working distance

Solid-State UV LED Spot Cure

(Model: DUV-01)

Recommended UV Epoxy

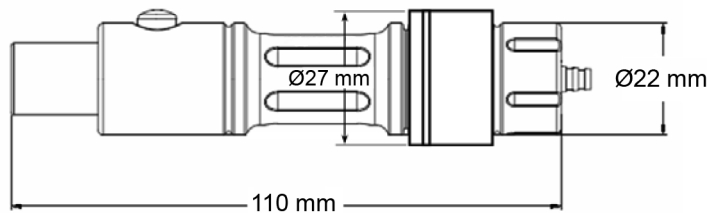
Supplier	Part Number
Aptek Laboratories, Inc.	UVBOND SL-Clear (HI)
Aptek Laboratories, Inc.	UVIBOND SL-LO
Aptek Laboratories, Inc.	UVIBOND SL-HI

Electrical Specifications

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

Mechanical Footprint Dimensions

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



Standard hardwired cable is 1.5 m long.

Ordering Information

DUV-	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

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

Please contact DOCTORUV.COM to discuss special configurations.
Replacement parts can be ordered separately.



Revision: 060-14
12-13-10

Specifications subject to
change without notice.
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