



Product Description Sheet
CL10 Single LED Controller
Item No. 1514636

PRODUCT DESCRIPTION

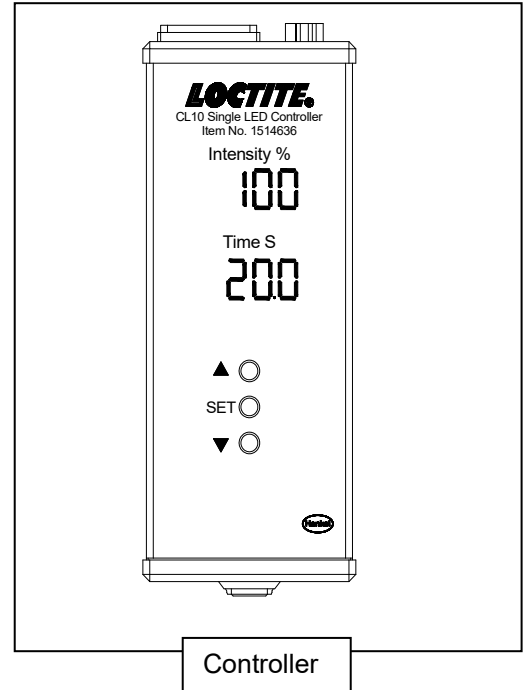
The 1514636 CL10 Single LED System is a UV-LED spot light source that emits UV light at 365 or 405 nm. The Controller includes a footswitch and AC power cord. The required LED head is purchased separately. This system is suitable for manual work stations as well as for integrating into automated production lines. The UV LED Spot Cure System can be operated in a continuous light output mode or programmed output mode where the light output intensity and time can be programmed. The cycle can be initiated with a footswitch (included) or via a PLC connection with an external start signal. This LED light source causes no thermal damage or harmful effects to objects being irradiated. Its low power consumption makes it an energy-saving and environmentally friendly light source. No light guides or lamp replacements are required.

PRODUCT FEATURES

- Instant on-off capabilities; no warm-up time required as compared to mercury-arc lamp UV Wand systems.
- LED head can be programmed for UV intensity and exposure time.
- LED heads 1538496 & 1750074 must be purchased separately.
- Temperature feedback, prevents LED head overheating

PRODUCT BENEFITS

- Over 20,000 working hours.
- No IR emission resulting in low temperature curing. Will not damage parts due to heat emission.
- Up to 90% energy savings, compared with mercury arc lamps.
- Small, LED head for hand held or fixed fixture applications.
- Foot switch actuated or PLC remote control.
- Low maintenance cost.



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Technical Data

Type		CL10 Single LED Controller
MODE	Timer	Intensity:0~100%,Timer:0.1~999.9s
	Manual	Intensity (0~100%),Timer: Manual Control
Power Supply		AC 100~240V 50/60Hz
Power Consumption		15W
Cooling Method		Natural Cooling
Temperature Range		Operating:+5~40°C, Storage: -15~+65°C
Weight		0.6Kg
Wavelength		365nm, 405nm

365nm LED Head

405nm LED Head

Spot Diameter (mm)	6 mm
Recommend Working Distance (mm)	12~14
Intensity (mW/cm²)	*5500
Wavelength	365 nm
Material	Aluminum , copper, optical glass
Life cycle	20,000~30,000 hours

Spot Diameter (mm)	6 mm
Recommend Working Distance (mm)	12~14
Intensity (mW/cm²)	*9500
Wavelength	405 nm
Material	Aluminum , copper, optical glass
Life cycle	20,000~30,000 hours

*Intensity measuring device: EQ PM20 UV AB/VIS Radiometer



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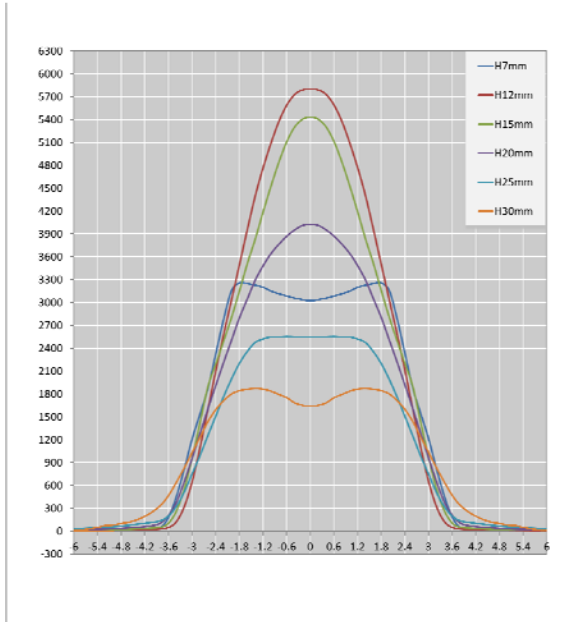
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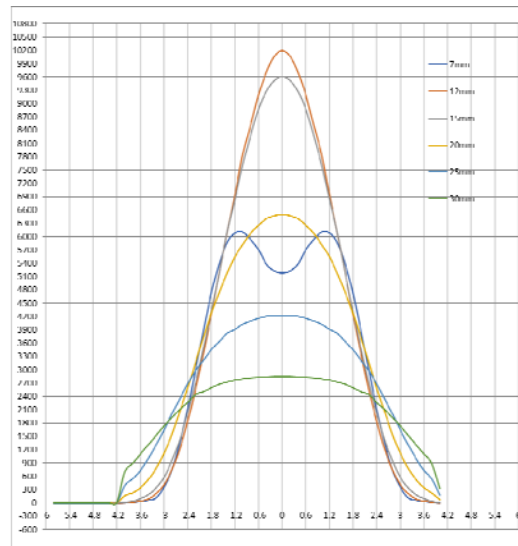


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365 LED Head 6mm UV Intensity Profile



405 LED Head 6mm UV Intensity Profile



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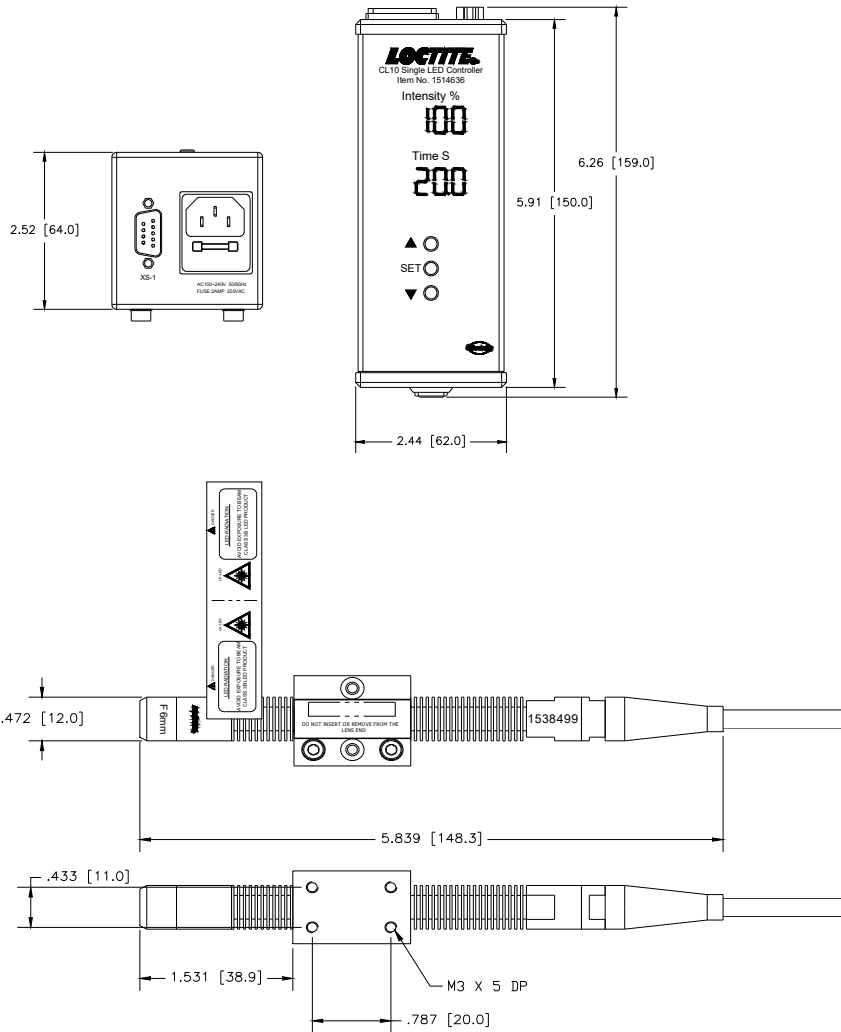
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Dimensions



Items Available:



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Item		Loctite Item No.
Single LED Controller (with 1 Foot switch)	CL10 Single LED Controller	1514636
LED Head (with Lens)	CL10 365nm 6mm LED Head, 2.7M Cable	1538499
	CL10 405nm 6mm LED Head, 2.7M Cable	1746633
Recommend Spares		
Spare Lens	CL10 365nm 6mm LED Lens	1538496
	CL10 405nm 6mm LED Lens	1750074
Spare Foot Switch	Loctite® Foot Switch Assembly	97201
Optional Accessories		
Radiometer	EQ PM20 UV VIS Radiometer (item # 2436352)	2436352
Radiometer	EQ PM20 UV AB Radiometer (item # 2436353)	2436353
	Tip Locator for CL10 LED Spot Cure Heads	1403402

Note
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Document # 8903229, Rev A, Date: 06/25/2020



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