

EQ CL34 LED Line Array System

2210212 / 2209919

PRODUCT DESCRIPTION

The CL34 LED Line System is a high intensity cure system specially designed for curing Loctite[®] UV and Visible Light Cure adhesives. The modular configuration consists of an LED head with connection cable, and controller (ordered separately), and the system is offered in either 365 or 405 nm wavelengths. Each CL34 head is equipped with 10 high power LED's and a cylindrical lens, providing focused intensity across an area of 80 mm x 5 mm (0.2 inches by 3.15 inches). The heads can also be stacked side by side in a row further expanding the curing area for maximum flexibility. The expected lifetime of the LED's is more than 20,000 hours under normal operating conditions. The CL34 system is compatible with automatic production lines. It can be operated via footswitch or PLC and run in either timer or continuous mode.



Product Properties

- High UV intensity – Up to 1 W/cm²
- LED heads stackable in row
- Expected LED life over 20,000 hours (30% intensity decay) with proper handling
- 100% duty cycle
- Instant on/off, no heat up or cool down necessary
- Optimal curing distance: 5-20 mm
- Compact system with integrated air cooling
- Matching LED Line Controller Loctite[®] 97143, sold separately
- Temperature monitor of LEDs

Benefits:

- Lasts up to 10 times longer than traditional arc lamps with negligible output decay during duty cycle
- 100% of the emitted light is within the range of the curing spectra of the adhesive (when compared to Mercury vapor arc lamps)
- Energy efficient, LEDs produce little wasted energy
- Each LED head has been optimized for its specific wavelength (365 nm, 405 nm)
- Air cooling system, maintenance free

Technical Data:

- Recommended working distance:
10 - 20 mm
- Wavelength: 365 or 405 nm
- 365 nm, IDH 2210212
 - o 20 mm distance: 1 W/cm²
 - o 10 mm distance: 1.8 W/cm²
- 405 nm, IDH 2209919
 - o 20 mm distance: 1.3 W/cm²
 - o 10 mm distance: 2.2 W/cm²
- Noise level: <60 dBA (Distance 1 m)
- Weight: 0.3 kg

Intensity data based on Loctite®
Radiometer UV-A/B and UV-V, see
optional accessories.

Accessories:

LED Line Controller 97143 (for up to four
head), order no. 1447728

UV Safety Glasses, yellow, recommended
for 405 nm, order no. 1175128

UV Safety Glasses, grey, recommended
for 365 nm, order no. 1175128

Protection Gloves, white, 1 pair, order no.
376746

Radiometer / Dosimeter UV-A/B, for 365
and 380 nm, order no. 1390323

Radiometer / Dosimeter UV-V, for 405 nm,
order no. 1265282

Items supplied:

- CL34 LED Line Array either 365 or
405 nm
- Connecting Cable Head to
Controller

Order Codes:

LED- Line Array 365 nm	2210212
LED- Line Array 405 nm	2209919
LED-Line Controller 97143	1447728
Spare Connection Cable, length 2 m	1483245

Technical Data LED-Line Array

Amount of LED's 10 pcs.

Curing Area approx. 5 mm x 80 mm at 20 mm distance

Intensity 365 nm: Typical 1 W/cm² at 20 mm and 1.6 W/cm² at
10 mm distance,
405 nm: Typical 1.3 W/cm² at 20 mm distance, and
2.2 W/cm² at 10 mm distance.

Operating Temperature +10 °C to +40 °C (+50 °F to +104 °F)

Storage Temperature -10 °C to +60 °C (+14 °F to +140 °F)

Dimensions (W x H x D) 80 mm x 114 mm x 23 mm (3.15 x 1.49 x 0.9 inch)

Weight ca. 0.3 kg

Technical Data Controller 97143

Power Supply 90 - 260 V AC, 47 - 63 Hz

Power Consumption max. 150 W

Power Connection Low-heat devices power cord IEC 320 / VDE 0625

Fuse Micro fuse 5x20 mm, 5 AT, 2 pcs.

Internal Power Control 5 V DC, 24 V DC, 48 V DC

Protection Category IP 32 according VDE 0470, T.1 / EN 60529-1991

Protection Class I according VDE 0140, T.1 / EN 61140:2007-03

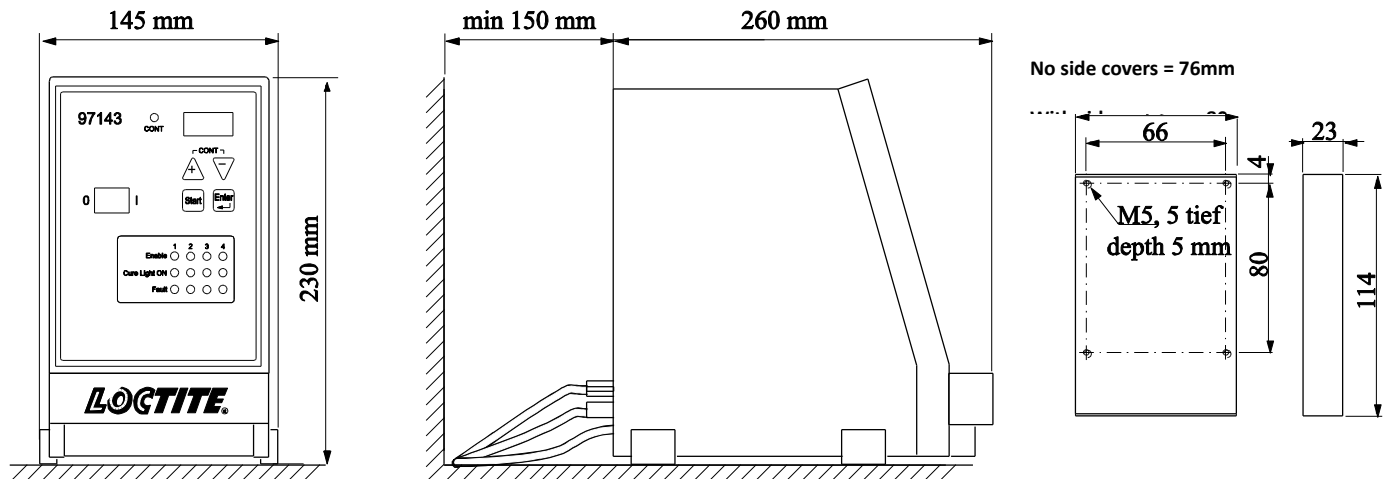
Operation Temperature +10 °C to +40 °C (+50 °F to +104 °F)

Storage Temperature -10 °C to +60 °C (+14 °F to +140 °F)

Dimensions (W x H x D) 150 mm x 223 mm x 260 mm (5.9 x 8.8 x 10.2 inch)

Weight approx. 2.5 kg

Dimensions:



Note
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