One Henkel Way
Rocky Hill, CT 06067-3910
Telephone: (860) 571-5100
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Product Description Sheet
Loctite® CureJet 375 LED System

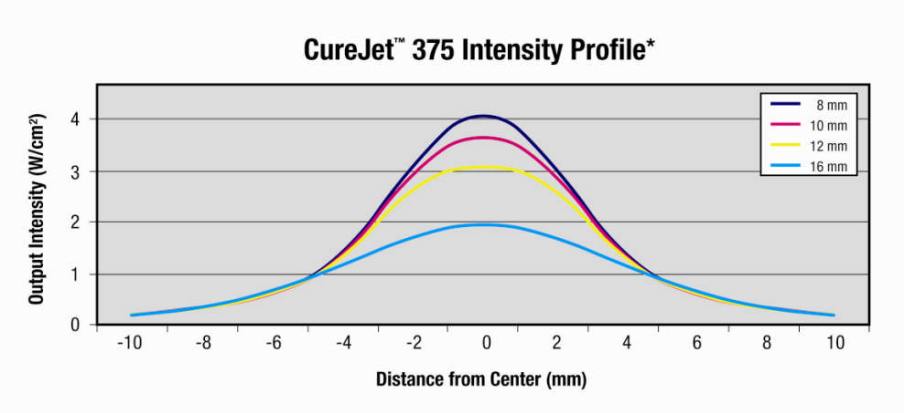
North American Engineering Center

PRODUCT DESCRIPTION

The Loctite® CureJet™ 375 LED system is our highest powered system that offers significantly wider cure area and higher curing intensities as compared to our single-point LED devices. This results in providing the ultimate in processing speeds. The CureJet™ 375 LED wavelength has been developed for the curing requirements of the adhesive. The curing process begins when the adhesive is placed under the LED CureJet™ . The two primary variables that control the curing process are the time of exposure and the irradiance of the light. For a given irradiance, the exposure time required to fully cure the adhesive depends primarily on the properties of the adhesive and the optical properties of the substrate.

PRODUCT FEATURES:

- A 100% on-time duty cycle in a continuous or timed operation.
- Unlike traditional arc lamps, 100% of LED light output is within the usable curing spectrum of Loctite® adhesives.
- Zero infra-red emissions, reducing part heating (warping) to an absolute minimum.
- Instant On-Off - no warm-up like traditional UV systems.
- LED last up to 10 times longer than typical UV bulbs units with negligible output decay during duty life.
- Controller monitors and adjusts proper power to each of the nine individual LEDs in the LED Light Source.
- Controller can communicate with an external customer-supplied controller (such as a PLC) to offer 2-way communication for actuation of the LED head and relaying of pertinent information.
- Stackable with 1" center-to-center spacing.



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The Loctite® CureJet ™ LED Curing Systems consist of three (3) individual items (each item must be purchased separately).

- **LED CureJet ™ 375 Light Source** (item # 1369539).
- **Single CureJet ™ Controller** (item # 1364033) allows for setting the exposure time to the ultimate value required for curing. The controller also monitors overall system voltage fluctuations – any deviation from normal operating range will result in an error signal during the cycle.
- **Interconnecting** cable - choice of two lengths: 1 meter – item # 1370351 or 3 meter – item # 1370352.

Technical Data

Single CureJet™ Controller

- Input Voltage: 85 – 264 VAC; 50 – 60 Hz.
- Power Consumption: 150 watts
- Max. Operating Temperature: 90ºF (55ºC)
- Max Operating Humidity: 85% RH
- Dimensions:
  - Width: 10 inches
  - Depth: 9 5/8 inches
  - Height: 3 7/8 inches
- Weight: 8 lbs.

CureJet™ Light Sources

- Spectral Output Range
  - CureJet™ 375: primary peak 375 nm.
- Dimensions:
  - Width: 1 inch
  - Depth: 10 1/8 inches
  - Height: 2 1/2 inches
- Weight: 1 lb.

  Note: Exact output measurement is dependent on the brand calibration method of the meter used. These measurements were made with the UV A/B Light LED Dosimeter, item # 1390323.

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Optional items not included:

- CureJet Quad Controller; item # 1180632. Controls up to four (4) CureJet Light Sources independently.
- UV A/B Dosimeter – Radiometer; item # 1390323 for CureJet 375 unit.
- Dosimeter Adapter; item # 1421420
- Safety glasses, orange; item # 98452
- PLC Interface Cable; item # 8900550

* As with all intensity measurements, actual values obtained are dependant on the meter used and the age and condition of the source.

Dosimeter
1390323

Dosimeter Adapter
1421420

Safety Glasses
98452

Quad Controller
1180632

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