



Guidelines for Protecting Light-Sensitive Adhesives from Curing in Dispensing Equipment in Manufacturing Environments

The increased light sensitivity of Dymax Ultra Light-Weld® UV/Visible light-curable adhesives used in the manufacturing environment can lead to polymerization of the products in dispenser tips and lines under illumination by standard fluorescent lighting. The following are recommended to eliminate this problem:

1. Shield needle tips and lines from light exposure. Incorporating lines that are black, opaque, polyethylene plastic will completely block light from the adhesive. Dymax provides light-blocking materials for syringe needle tips. These may be ordered as follows: PN 37478 for 3 ml syringes / PN 37479 for 5, 10, and 30 ml syringes.
2. If these measures are insufficient and a process can't be shielded through use of light-blocking materials, the following are recommended as retrofit lamps for existing incandescent and fluorescent fixtures:

RETROFIT LAMPS FOR EXISTING FLUORESCENT AND INCANDESCENT FIXTURES:

Lamp Type	Mfg.	Model #	Configuration
Fluorescent	Philips	F40GO	T-12 Med. Bi Pin, 4'
Fluorescent	Philips	F48T12GO	T-12 Single Pin 4'
Fluorescent	Philips	F96T12GO	T-12 Single Pin 8'
Fluorescent	Philips	F96T12GO/HO	T-12 Dual Pin Raised Oval 8'
Incandescent	Sylvania	Bug Foiler, 60 Watt	Medium base

COMPLETE FIXTURES:

Type: Low-pressure sodium

C. Cowles & Co. Model # 4000U/90LPS/120V/BZ

Lamp for above: Philips # SOX 90W

THE FOLLOWING FIXTURE IS HIGHLY RECOMMENDED FOR NEW OR RETROFIT INSTALLATIONS:

Holophane Model # EN250HPXXP7

Type: High-pressure sodium, high bay

Holophane fixture notes:

- XX denotes voltage (to be specified by customer).
- Because the main fixture normally takes up to 5 minutes to restart, an available quartz restrike option allows instant “walk around” lighting in the event of a temporary power failure. For this option, add suffix “EM”.
- Substitute LHP for HP in model number if energy saving ballast is desired.
- For hook, cord, and plug option, add Suffix #CDP-LX-15-3-PF121. No suffix denotes standard hard-wire configuration.
- Lamp Type: General Electric # GLU250/D (Maximum wattage for this application is 250. Higher wattages have not been tested).
- Holophane Factory Contact: Tom Quigley - Phone (860) 621-9136.