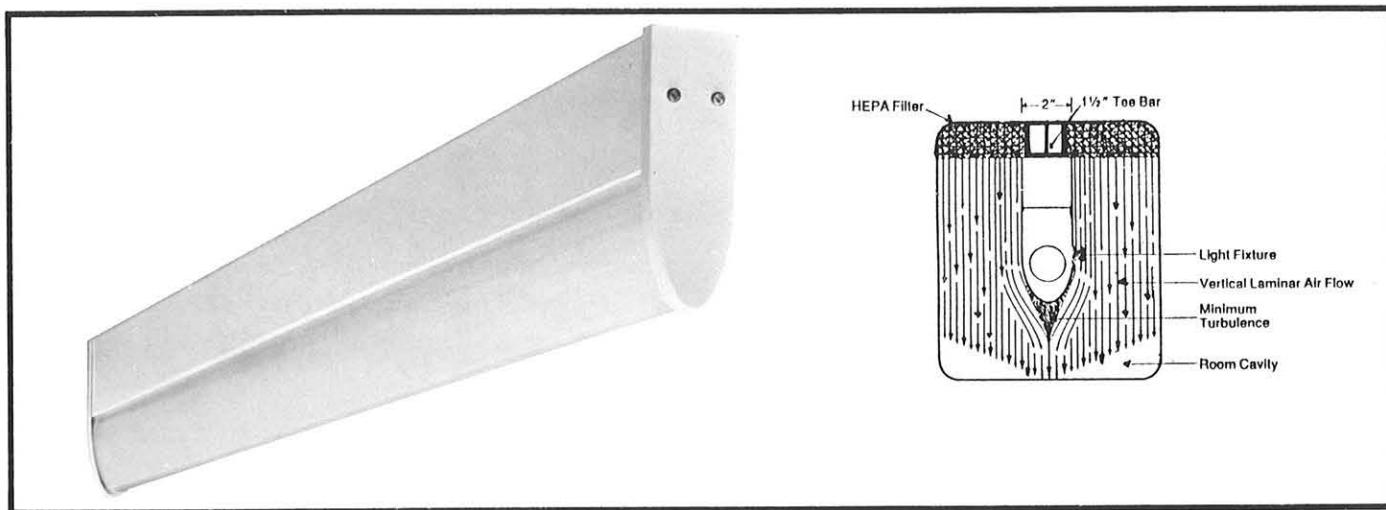


CROWNLITE

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156CR Teardrop Light Fixture For Clean-Rooms Equipped For Vertical Laminar Flow



This teardrop-shaped fluorescent lighting fixture is designed expressly for clean-rooms, laboratories, and other critical environments where laminar flow air filtration is employed.

The 156CR, only two inches wide, is designed to be mounted on the T-bar or similar HEPA filter support used for airflow plenum ceilings. The teardrop lens is shaped to avoid blockage and minimize turbulence in the airflow directed from the ceiling downwards to the floor.

The fixture is designed expressly for clean-room use in several other respects. The outside of the clear extruded acrylic teardrop lens is completely smooth so as to eliminate ridges that can accumulate biological or other contaminants; the linear prisms that obscure the lamp and control brightness are on the inside of the lens.

The teardrop lens is also available with virtually 100% UV filtration for biological laboratories, photosensitive semiconductor, film processing, and similar applications. A clear version is effective to approximately 400 nanometers. A yellow version is effective to 450 nanometers.

The housing uses sealed pressed knockouts and there are no openings that can allow passage of particulate matter through the fixture. All seams are sealed with a silicone compound. Even the ballast wireway cover is sealed with a medium density neoprene gasket to protect against internal contamination.

These fixtures can be supplied pre-cleaned and seal bagged so as to expedite their installation into clean rooms where specifications call for such measures.

Electrically the 156CR can be equipped with either a 20-watt trigger start or a 40-watt rapid start lamp, as well as with energy-saving electromagnetic or electronic ballast that meets FCC Part 15J for radiated interference. It also meets Federal Standard No. 209B and is suitable for use in Class 10 through 100,000 clean-rooms.

The fixture can be mounted singly or in continuous rows with addition of gasketed trim-ends and joiners. Lamp sockets can be vibration-resistant to guard against dislodgement of the lamp. Construction features fully spot-welded 20-gauge cold-rolled steel, die-formed for accuracy and consistency, and finish is high-reflectance baked white polyester paint for maximum efficiency. Housings of stainless steel or aluminum are available as options. All hardware can be nickel-plated or stainless steel to avoid the introduction of cadmium or zinc contaminants into the airstream, as well as for longevity. And, as with all Crownlite products, the 156CR Teardrop is UL listed and union made in the U.S.A.