



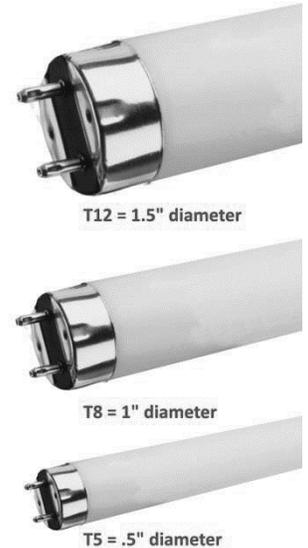
Straight Fluorescent Lamp Packaging Guideline

The procedures outlined in this document must be used to store and prepare “Universal Waste” fluorescent lamps for proper recycling. Questions regarding this document should be directed to customer service, toll-free at 1-800-556-5267. All precautions should be taken to eliminate breakage of lamps. Extra charges may result from excessive breakage.

General Packaging Guidelines for Straight Fluorescent Lamps

1. Lamps should be packaged in containers that protect the lamps during the storage and transport. Acceptable containers include: cardboard boxes, fiber drums, or the original manufacturer cardboard boxes. Boxes that are designed to transport lamps may also include a poly liner. Veolia can provide containers for fluorescent lamps, contact customer service toll free at 1-800-556-5267 for more information.
2. Place lamps carefully into the container as to avoid breakage.
3. Egg crate type inserts are not required, but boxes and drums should be filled to prevent excess movement of lamps during transport, leaving no void space.
4. Box ends must be secured with tape. Three-inch PVC tape is recommended. **VEOLIA WILL NOT ACCEPT CONTAINERS FOR SHIPMENT THAT HAVE LAMPS EXPOSED OR PROTRUDING FROM THE PACKAGING.**
5. **DO NOT tape lamps together.**
6. **DO NOT** place items other than fluorescent lamps into containers.
7. Any shipment greater than 10 boxes should be palletized, four foot boxes on a four foot pallet, eight foot boxes on an eight foot pallet. (Any overhang will result in breakage and will not be accepted). Pickups that exceed 10 boxes and are not palletized may be subject to additional charges.
8. Boxes must be placed on a pallet by evenly stacking boxes in layers. **DO NOT EXCEED 48” IN HEIGHT.**
9. Once they have been placed on a pallet, the boxes must be secured with shrink or stretch wrap. (Remember to wrap the pallet as well, to minimize shifting in transit).
10. Please remember that when reusing boxes after a retrofit, switching from T12 to T8 boxes will result in a diameter differential, T12 bulbs are 50% wider than T8 bulbs.
11. Lamp Inventories should be taped to the outside of the lamps boxes. Alternatively the boxes can be marked with the lamp type and count.

Types of Straight Fluorescent Lamps



Labeling as Universal Waste

All packages used for containing fluorescent lamps must have a label that states “**Universal Waste Lamps**” or a similar statement as authorized by state regulation.

Storage of Lamps

Universal waste lamps must not be stored in excess of one year. To demonstrate the storage time, mark all containers with an “**Accumulation Start Date**” (the beginning date the lamps were stored for disposal). All lamps should be stored in a manner that prevents breakage and should be stored indoors, protected against the elements. Wet packages are subject to additional handling fees. The universal waste rule requires boxes containing universal waste lamps to be kept closed unless adding or removing lamps.

Breakage

If lamp breakage should occur, broken glass and lamp constituents may be subject to additional regulation. Call Veolia toll-free at 1-800-556-5267 for assistance with shipping crushed or broken lamps. If broken prior to packaging, lamps should be placed into plastic or steel drums. Breakage during transport is possible, therefore taping of box ends with tape is recommended. If box contains a liner make certain liner is sealed well before transport.

Lamp Inventories

Customers are encouraged to tape lamp inventories to the end of each box. An inspection will be made at Veolia of all containers to verify lamp type and count received. Each container of fluorescent lamps will be billed for the full amount of lamps as received on the shipment.



Other Suggestions:

- Whenever possible store lamps in an area accessible to the vehicle which will be picking them up.
- Minimize the number of people managing the lamps to only those that are properly trained. Collecting mercury-containing fluorescent lamps for disposal requires care to minimize breakage and an awareness of possible exposure to mercury and broken glass hazards.
- Take an in-house inventory of lamps while loading and maintain a record-keeping system for spent lamps.

Available Veolia Lamp Containers

Containers can be provided by Veolia. Please contact customer service toll-free at 1-800-556-5267 for additional details. Additional packaging may be available.

SKU	Type	Dimensions	Capacity
Supply-280	Corrugated Box	8.5x8.5x48	30 T12 or 72 T8 4ft straight lamps or 10 T12 or 20 T8 u-tubes
Supply -262	Corrugated Box	40x48x50	800 T12 or 1600 T8 straight lamps or 360 400w HIDS or 312 T12 or 480 T8 u-tubes
Supply -281	Corrugated Box	8x8x96	25 T12 or 57 T8 8ft straight lamps
Supply -282	Corrugated Box	22x22x24	46 T12 or 81 T8 u-tubes or 60 400w HIDS or Misc CFLs
Supply-036	Fiber Drum*	16.25 x 48	85 4' T12 lamps or 170 4' T8 lamps
Supply-001	Fiber Drum*	20.75 x 48	140 4' T12 lamps or 280 4' T8 lamps
Supply-258	Flexible Waste Drum*	17.5x17.5x27	250 lbs. of waste materials
Supply-006	Steel Drum*	55 gal – 34.50 x 24	600 lbs of broken or crushed lamps

* UN/DOT approved

How to Palletize Lamps

Palletizing lamps correctly ensures not only compliance with DOT regulations regarding shipping fluorescent lamps, but also decreases costs by optimizing truck load capacity. Pallets should be used to store lamps and aid truck loading with the availability of a fork lift and loading dock. Both lamp cartons and drums may be loaded on pallets into the truck and, if necessary, hand loaded from pallets to maximize truck capacity. 4 foot lamp boxes should be stacked in layers, in the same direction to minimize pallet sizes and maximize truck capacity. The boxes should not exceed 48" in height. 8 foot lamp boxes should be stacked parallel with the eight foot pallet All pallets of lamp cartons should be stretch-wrapped to the pallet.

Examples of Properly and Improperly Packaged Lamps

