

T8 LED TUBE LINEAR LUMINAIRES

EPCO's domestically manufactured gasketed Narrow and Wide Body Luminaire Series accommodates T8 LED lamps, rated for long life, energy efficiency, and more uniform lumen distribution. For high or low ceiling applications, translates into improved efficacy by providing more usable lumens per watt.

BENEFITS

- UL Listed. File #: E319552. Suitable for indoor, outdoor, or wet locations.
- Fast installation saves time and reduces labor cost.
- Reliable, durable, maintenance free performance!
- Meets the requirements of the 2014 National Electrical Code: Articles 410.10(A).
- The Wide Body T8 LED Tube Luminaire is only available in a 4-foot length!
- T8 LED Lamps (17.2-watt equivalent) replace T8 32-watt fluorescent lamps.
- Ingress Protection – Dust and moisture resistant luminaire; suitable for use in wet locations where high-power pressure wash-down is required.
- Continuous “poured-in-place” closed cell polyurethane gasket completely seals the luminaire from dust and moisture.
- Luminaire Mounting Hardware allows the contractor to pre-install the mounting brackets to the mounting surface without drilling into the luminaire housing.
- Impact resistant acrylic diffusers withstand breakage from high power pressure washers; lowers replacement and maintenance costs.
- Solid reinforced luminaire housings provide strong rigidity with no deflection. The luminaire housing is rated 5VA-F1 fiberglass.*
- “Captive” Acetal (Plastic) or Stainless Steel Latches.
- 100% factory tested before shipping. No contractor callbacks!
- Two (2) 1/2” trade size knockouts on each end of the luminaire housing accommodates standard conduit fittings.
- Warranty: 5 Years

***Note:** Quantified and tested by Underwriters Laboratories, reference UL 746C.



**T8 LED TUBE LUMINAIRE
(NARROW BODY)**



**T8 LED TUBE LUMINAIRE
(WIDE BODY)**

TYPICAL APPLICATIONS:

- Food Processing Facilities
- Commercial Kitchens
- Laundries
- Industrial Facilities
- Saunas
- Car Washes
- Storage Buildings
- Pedestrian and Road Tunnels
- Parking Garages
- Elevator Shafts
- Refrigerators and Freezers
- Locker Rooms
- And more...



NEMA® 4X

Specifications subject to change without prior notice.

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PRODUCTS CO.**

T8 LED TUBE LINEAR LUMINAIRES

NARROW BODY FLUORESCENT LINEAR LUMINAIRE - ORDERING EXAMPLE

Note: Narrow Body Fluorescent Luminaires do not include T5 or T8 lamps!

G 8 L 6 - T 8 - B L S Y 3

Fixture
[G]

Length
2 = 2-Foot
4 = 4-Foot
8 = 8-Foot

Number of Lamps
L1 = 1 Lamp
L2 = 2 Lamps
L3 = 3 Lamps
L4 = 4 Lamps
L6 = 6 Lamps

Ballast Type
T5 = High Output
T8 = Standard Output
T8HBF = High Ballast Factor



Narrow Body Luminaire

Narrow Body Luminaire Options

- A. 6-Foot Power Cord (PSS6)
- B. Basic Specular Reflector (can be used with either the Acrylic Ribbed or Clear Diffuser)
- C. Acetal (Plastic) Latches (See Note 2)
- E. Emergency Battery Back-up Ballast (See Note 3)
- F. One (1) 1/2" Water Resistant Hub (See Note 8) (required for Pendant Mounting a 2-foot or 4-foot luminaire)
- G. Two (2) 1/2" Water Resistant Hubs (See Note 8) (required for Pendant Mounting an 8-foot luminaire)
- H. One (1) 3/4" Water Resistant Hub (See Note 8) (required for Pendant Mounting a 2-foot or 4-foot luminaire)
- I. Two (2) 3/4" Water Resistant Hubs (See Note 8) (required for Pendant Mounting an 8-foot fixture)
- M. Luminaire Mounting Hardware for Ceiling and Wall Mount Applications (two (2) per package)
- O. Wire Lamp Guard (See Note 6)
- P. Ribbed Frosted Diffuser (Note: Can be used for fluorescent and LED lamps.)
- Q. Clear Tall Diffuser (Note: The Acrylic Ribbed Diffuser is standard with all Narrow Body Luminaires unless otherwise specified. Not available for the 2-foot Narrow Body Luminaire)
- R1. PIR Occupancy Sensor (for dry locations)
- R2. PIR Occupancy Sensor (for dry locations/cold locations)
- R3. PIR Occupancy Sensor (for wet locations)
- S. Stainless Steel Latches
- T. Tamper Resistant Screws
- W. Wide Specular Reflector (See Notes 4 and 5)
- Y. Surface Mount Bracket (See Note 7)
- Z. Bulk Packaging (25 or 50 per skid) **Note: Narrow Body ONLY**

The Narrow Body Luminaire can be built to your specifications by adding the respective item numbers.

Note:

1. When entering Bulk orders, do not include Mounting Hardware or Tamper Resistant Screws in your part numbering scheme.
2. Acetal (Plastic) Latches ARE NOT recommended for the following applications:
 - Swimming Pools because of the chlorine.
 - Food Processing because of the cleaning chemicals.
 - Car Washes because of the chemicals used.
 - Agriculture because of the ammonia gas.
3. Two (2) lamps is the maximum lamp configuration when specifying a T5 2-foot luminaire with an Emergency Battery Back-up Ballast.
4. The Wide Reflector for T5 and T8 lamps can only be used with two (2) lamp 4-foot Narrow Body Luminaires or four (4) lamp 8-foot Narrow Body Luminaires.
5. The Wide Reflector can only be used in conjunction with the Acrylic Clear Tall Diffuser (Option Q). The Standard Acrylic Ribbed Diffuser will not fit! The Wide Reflector WILL NOT fit a 2-foot Narrow Body Luminaire.
6. When your part number includes the Wire Lamp Guard:
 - The Acrylic Diffuser is not included with the luminaire.
 - UL listing changes from a "wet" location to a "damp" location luminaire.
7. When adding the Surface Mounting Bracket (SMB - Y Option) to your part number, we will pre-drill a hole in the luminaire housing at the designated "number" location shown in the diagrams, on page 18, to facilitate pulling the supply conductors from the junction box and into the luminaire. When specifying the Y Option for the 2-foot Narrow Body Luminaire, there is no designated "number" location. Just include the Y Option as part of your 2-foot luminaire order configuration.
8. When adding the Water Resistant Hubs the UL listing changes from a "wet" location to a "damp" location luminaire.

WIDE BODY FLUORESCENT LINEAR LUMINAIRE - ORDERING EXAMPLE

Note: Wide Body Luminaires do not include T5 or T8 lamps!

W 4 L 6 - T 5 - L N V

Fixture
[W]

Length
4 = 4-Foot

Number of Lamps
L4 = 4 Lamps
L6 = 6 Lamps

Ballast Type
T5 = High Output
T8 = Standard Output
T8HBF = High Ballast Factor



Wide Body Luminaire

Wide Body Luminaire Options

- A. 6-Foot Power Cord (PSS6)
- E. Emergency Battery Back-up Ballast
- G. Two (2) 1/2" Water Resistant Hubs (See Note 3)
- I. Two (2) 3/4" Water Resistant Hubs (See Note 3)
- M. Luminaire Mounting Hardware for Ceiling and Wall Mount Applications (two (2) per package)
- N. Specular Reflector
- O. Wire Lamp Guard (See Note 2)
- R1. PIR Occupancy Sensor (for dry locations)
- R2. PIR Occupancy Sensor (for dry locations/cold locations)
- R3. PIR Occupancy Sensor (for wet locations)
- T. Tamper Resistant Screws
- V. V-Hooks for Chain (two (2) per Package)
- Z. Bulk Packaging (14 per skid)

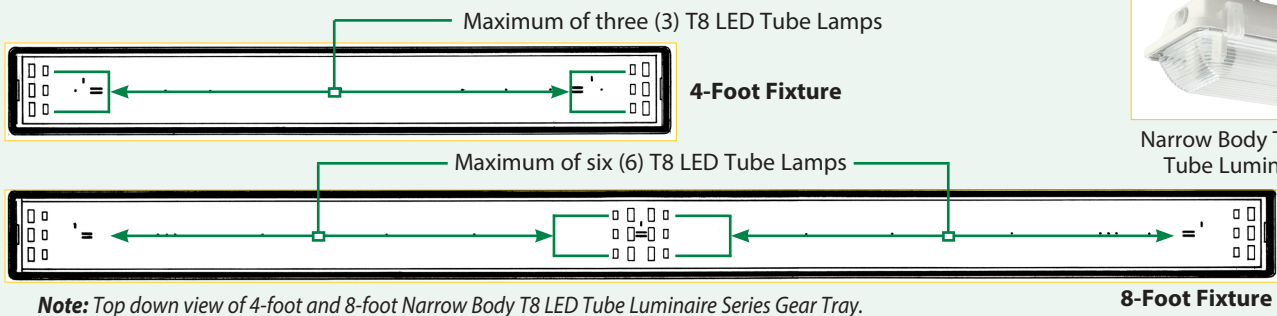
The Wide Body Luminaire can be built to your specifications by adding the respective item numbers.

Note:

1. **Six (6) Wide Body Luminaires is the minimum order quantity. We will not ship any Wide Body Luminaires that do not meet the minimum order quantity requirement!**
2. When your part number includes the Wire Lamp Guard:
 - The Acrylic Diffuser is not included with the luminaire.
 - UL listing changes from a "wet" location to a "damp" location luminaire.
3. When adding the Water Resistant Hubs the UL listing changes from a "wet" location to a "damp" location luminaire.

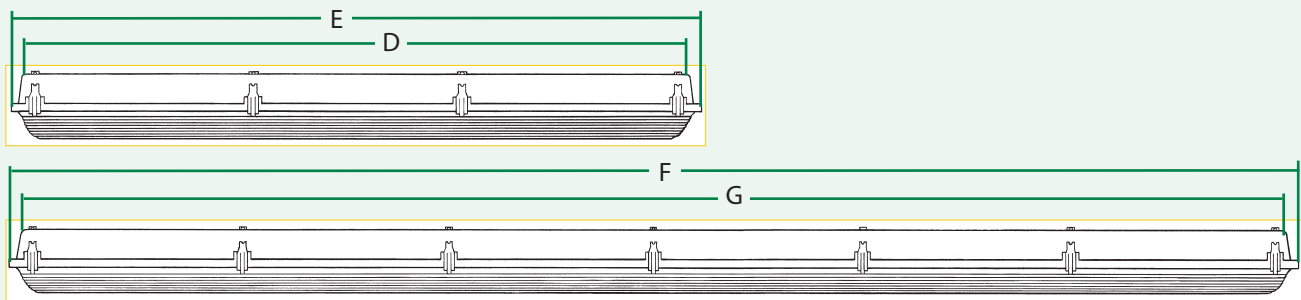
T8 LED TUBE LINEAR LUMINAIRES

NARROW BODY T8 LED TUBE LINEAR LUMINAIRE - LAMPS PER LUMINAIRE



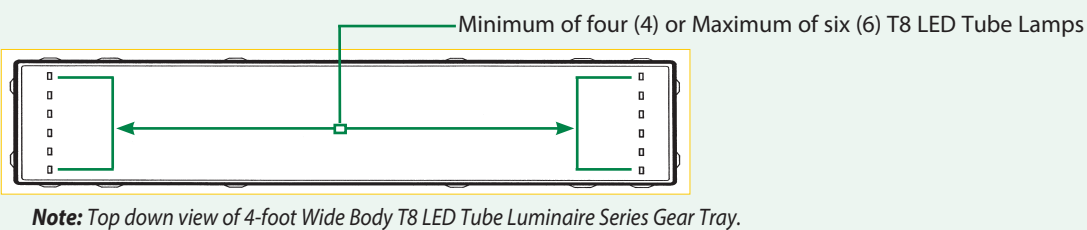
Narrow Body T8 LED Tube Luminaire

A	B	C	D	E	F	G
4.25" (1) / 5.75" (2)	6.812"	2.44"	49.7"	51.7"	100"	98.0"



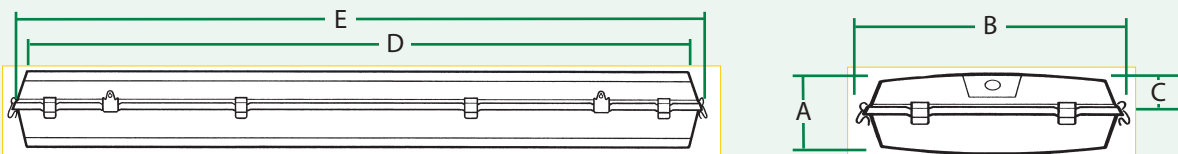
Note: Dimensions "E", "F" and "H" reference the 1/2" trade size knockouts on each end of the luminaire.

WIDE BODY T8 LED TUBE LINEAR LUMINAIRE - LAMPS PER LUMINAIRE



Wide Body T8 LED Tube Luminaire

A	B	C	D	E
6.125"	14.6"	3.0"	49.5"	51.5"



Note: Dimension "E" references the 1/2" trade size knockouts on each end of the luminaire.

T8 LED TUBE LINEAR LUMINAIRES

SPECIFICATIONS

Coloring Rendering Index (CRI)	>80
Ambient Operating Temperature	-40°F to 122°F (-40°C to 50°C)
Universal Input Voltage	120V - 277 @ 60 Hz
Power Factor	N/A
Total Harmonic Distortion	Less than 20%
Lumens	4100K at 1880 lm (Bright White Color Temperature) - DLC Approved*
	5700K at 1880 lm (Daylight Color Temperature)
Ingress Protection Rating	IP65, IP66, IP67 / NEMA 4X
Dimming Control	Not included
Industry Certifications	T8 LED Tubes are UL Listed (per UL 1598); National Sanitation Foundation (NSF)**

*Design Lights Consortium Approved

The qualified products list from the Design Lights Consortium (DLC) is a resource for program administrators, to help them decide which solid state lighting products to include in the energy efficiency promotions. Their primary reference tool for SSLs is ENERGY STAR, however the regional list fills in gaps in categories, which ENERGY STAR does not include. DOE's ENERGY STAR team is working in cooperation with DLC to develop the Qualified Products List (QPL) and procedures. The Members expect the products from their QPL will eventually be incorporated into the ENERGY STAR list once corresponding categories are added.

**National Sanitation Foundation (NSF International) is a leader in product certification and standards development. The NSF mark (NSF) is your assurance that all Narrow and Wide Body T8 LED Tube Luminaires have been tested and certified. This Standard establishes minimum food protection and sanitation requirements for the materials, design, fabrication, construction, and performance of the Narrow and Wide Body T8 LED Tube Luminaires in the area of food handling and food processing equipment.

SHIP WEIGHT (APPROXIMATE):

- 4-Foot Narrow Body T8 LED Tube Luminaire: 11 Lbs. (5.44kg)
- 8-Foot Narrow Body T8 LED Tube Luminaire: 18 Lbs. (8.16kg)
- 4-Foot Wide Body T8 LED Tube Luminaire: 23 Lbs. (10.43kg)

Note: Bulk packaging is available for the Narrow Body T8 LED Tube Luminaires - Option Z (25 or 50 per skid). See photo to the right for an example of bulk packaging.



Narrow Body T8 LED Tube Luminaire
Bulk Packaging (Option Z)

T8 LED Tube Linear Luminaire Limited Warranty

Engineered Products Company (herein known as EPCO) warrants that it will repair, replace or refund, at EPCO's sole option, any T8 LED Tube Linear Luminaire including the T8 LED lamps that are defective in materials or workmanship for a period of one (1) year from the date of original purchase. During the second (2nd) year through the fifth (5th) year the T8 LED lamps warranty is the direct responsibility of the manufacturer. Contact the T8 LED lamps manufacturer for more specific information. This warranty only applies to the original purchaser and is not transferable.

This Warranty does not apply to any of the following:

- Any T8 LED Tube Linear Luminaire that has been incorrectly installed by drilling holes, puncturing, piercing or any other means that will alter the integrity of the fixture housing.
- Damage caused by the use of parts, components, and/or other equipment(s) that is not compatible, suitable, and/or authorized by EPCO for use with the T8 LED Tube Linear Luminaire.
- Damage resulting from use of the T8 LED Tube Linear Luminaire in what EPCO, at its sole discretion, considers extreme applications.
- Product damage as determined by EPCO to be caused by a crash, impact, or obvious signs of abuse to the T8 LED Tube Linear Luminaire.
- No charge-backs for any labor required to remove, re-install, or re-power the T8 LED Tube Linear Luminaire.

Note: The Chemical Resistance of Plastics Chart (posted on EPCO's web site) provides an overview of those chemical compounds where this light fixture should not be installed.



EPCO T8 LED Tube Linear Luminaires Made in the USA. Complies with the American Recovery and Reinvestment Act – Buy American Provision.

Specifications subject to change without prior notice.

E02-070-005 B1 (5/16-SP)
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