

T5 AND T8 LED AND FLUORESCENT LINEAR LUMINAIRES

All four luminaire configurations are rated for long life, energy efficiency, and more uniform lumen distribution. These vapor tight luminaires can be used for high or low ceiling applications that translate 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.
- Meets the requirements of the 2017 National Electrical Code: Articles 410.10(A), 410.104(A), 410.130(G)(1), 547.5(C)(1) and (2), and 547.8(A) and (B).
 - Note:** EPCO Vapor Tight Luminaires do not meet provisions for:
 - Class I Locations — where flammable vapors and glasses may be present.
 - Class II Locations — where combustible dust may be found, or
 - Class III Locations — hazardous because of the presence of ignitable fibers.
- Ingress Protection — Dust and moisture resistant luminaire; suitable for use in wet locations where high-power pressure wash-down is required. LED and Fluorescent Luminaires are NEMA 4X, IP65, IP66, and IP67 rated.
- 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 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.
- Five (5) year warranty. For warranty information visit www.engproducts.com.

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

Note: The Wide Body T5 and T8 LED and Fluorescent Luminaire are only available in 4-foot lengths!

FLUORESCENT BALLAST SPECIFICATIONS

Ballast Type/Minimum Starting Temperature	Electronic T5 or T8 Class P Thermally Protected and CEE NEMA Premium Compliant: <ul style="list-style-type: none"> • T5 — High/Standard Output: -20°F (-28°C) • T8 — Standard Output Ballast: 0°F (-17°C) • T8 — High Ballast Factor (HBF): -20°F (-28°C) <p>Note: High Ballast Factor is a system operating a standard output lamp to a higher wattage and lumen performance within standard lamp design. High Output (HO) lamps operate with a higher current, thereby requiring ballasts to match the high output lamp designation and design.</p>
Operating Voltage	120V - 277 @ 60 Hz
Recommended Lamp Types	T5 Lamps or T8 Lamps Warning: T8 HO and T8 VHO Lamps must not be used under any circumstances! You will damage the luminaire and void the warranty!
Industry Certifications	UL Listed (per UL 1598)



T5 AND T8 LED LUMINAIRE (NARROW AND WIDE BODY)



FLUORESCENT LUMINAIRE (NARROW AND 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

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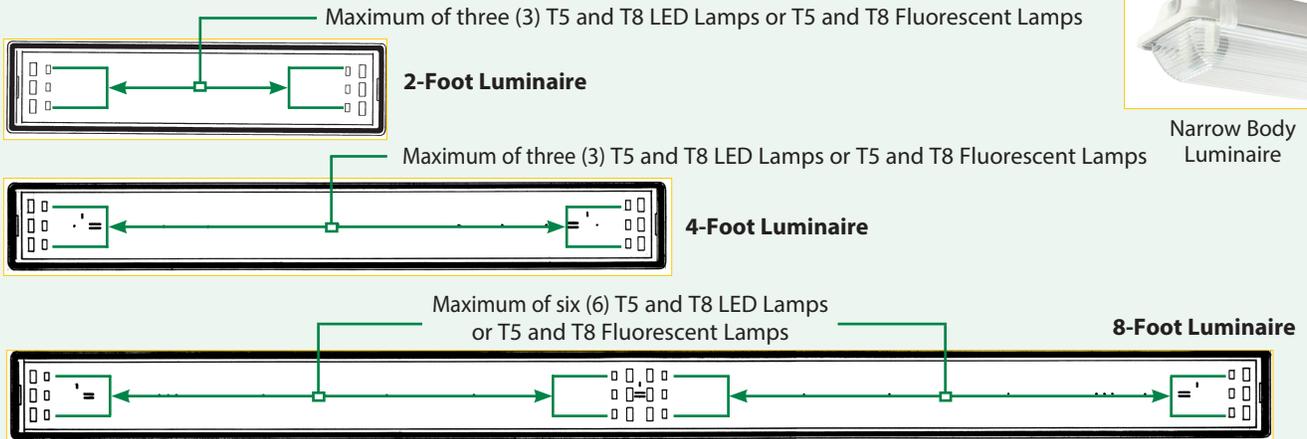
Specifications subject to change without prior notice.



ENGINEERED PRODUCTS CO.

T5 AND T8 LED AND FLUORESCENT LINEAR LUMINAIRES

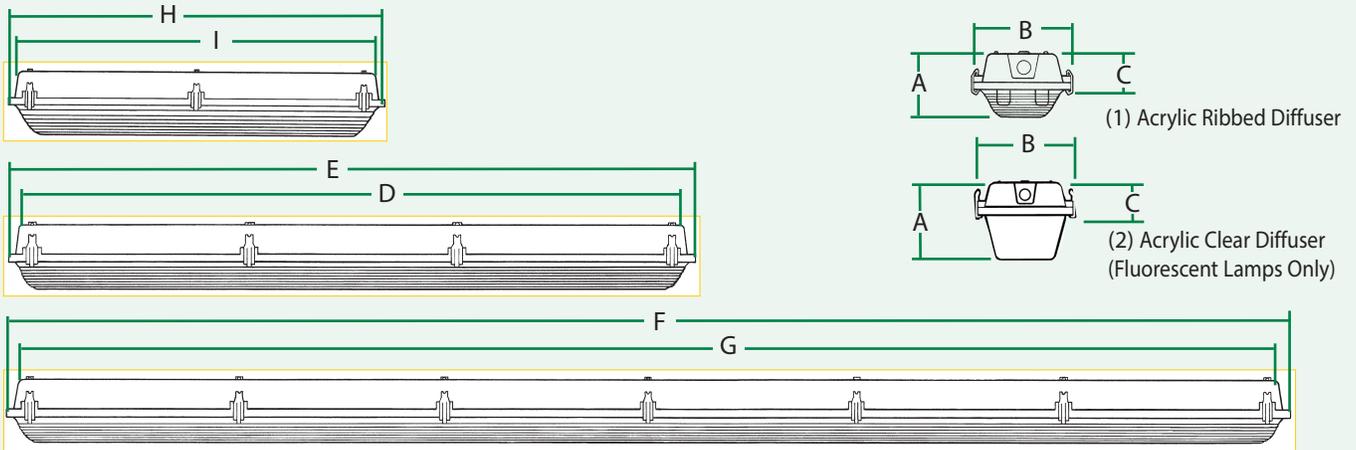
NARROW BODY LINEAR LUMINAIRE — LAMPS PER LUMINAIRE



Narrow Body Luminaire

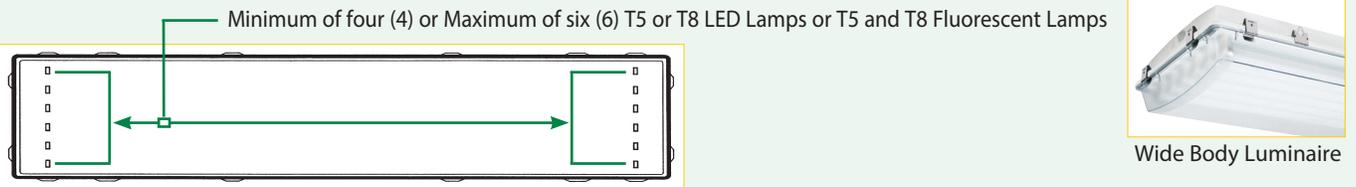
Note: 1. Top down view of 2-foot, 4-foot and 8-foot Narrow Body Luminaire Series Gear Tray.
2. The 8-foot Narrow Body Luminaire will not accommodate T8 LED or T8 Fluorescent 8-foot lamps.

A	B	C	D	E	F	G	H	I
4.25" (1) / 5.75" (2)	6.812"	2.44"	49.7"	51.7"	100"	98.0"	27.7"	25.7"



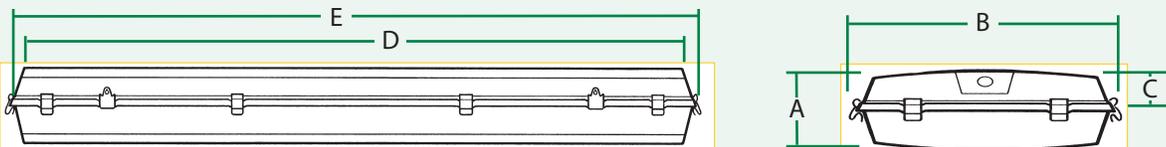
Note: Dimensions "E", "F" and "H" reference the 1/2" trade size knockouts on each end of the luminaire.

WIDE BODY LINEAR LUMINAIRE — LAMPS PER LUMINAIRE



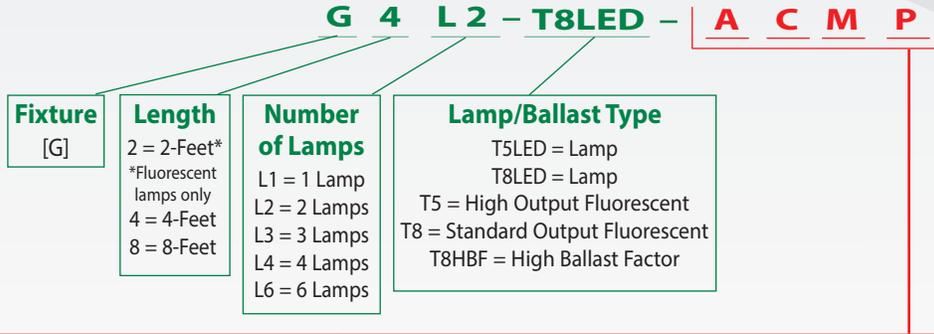
Note: Top down view of 4-foot Wide Body Luminaire Series Gear Tray.

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.

ORDERING EXAMPLE — NARROW BODY T5 AND T8 LED AND FLUORESCENT LAMP



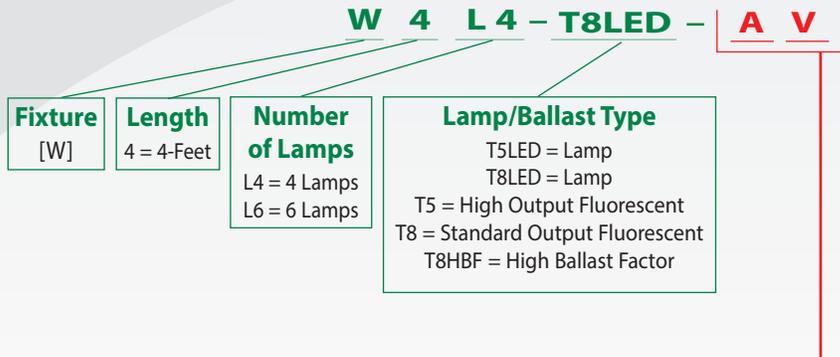
Narrow Body Luminaire Options

Narrow Body Luminaires can be built to your specifications by adding the respective item numbers. Narrow Body LED Lamp Luminaires and Narrow Body Fluorescent Luminaires do not include lamps. **Note:** We recommend using only Type B Single-End Powered Bi-Pin T5 or T8 LED Lamps. *Fluorescent Luminaires Only.

Option	Notes
A. 6-Foot Power Cord (PSS6)	Straight Plug, 13 AMP
A1. 6-Foot Twist Lock Power Cord	L5-15P, 120V
A2. 6-Foot Twist Lock Power Cord	L7-15P, 277V
*B. Basic Specular Reflector	Can be used with either the Acrylic Ribbed or Clear Diffuser
C. Acetal (Plastic) Latches	<u>Not</u> recommended for the following applications: Swimming Pools because of the chlorine; Car Washes because of the chemicals used; Food Processing because of the cleaning chemicals; Agriculture because of the ammonia gas.
*E. Emergency Battery Back-up Ballast	Two (2) lamps is the maximum lamp configuration when specifying a T5 2-foot luminaire with an Emergency Battery Back-up Ballast.
F. One (1) 1/2" Water Resistant Hub	Required for Pendant Mounting a 2-foot or 4-foot luminaire.
G. Two (2) 1/2" Water Resistant Hubs	Required for Pendant Mounting an 8-foot luminaire.
H. One (1) 3/4" Water Resistant Hub	Required for Pendant Mounting a 2-foot or 4-foot luminaire.
I. Two (2) 3/4" Water Resistant Hubs	Required for Pendant Mounting an 8-foot luminaire.
M. Ceiling and Wall Mount Mounting Hardware	Powder Coated, standard (Not NSF approved for food service applications)
M1. Ceiling and Wall Mount Mounting Hardware	Stainless Steel (National Sanitation Foundation approved)
M2. Wall Mount Stainless Steel Mounting Hardware	45° Angle (National Sanitation Foundation approved)
P. Ribbed Frosted Diffuser	Standard on all Narrow Body T5 and T8 LED Luminaires
*Q. Acrylic Clear Tall Diffuser	The Acrylic Clear Ribbed Diffuser is standard with all Narrow Body Fluorescent Luminaires unless specified. Not available for the 2-foot Narrow Body Luminaire.
R1. PIR Occupancy Sensor <i>(for dry locations)</i> R2. PIR Occupancy Sensor <i>(for dry locations/cold locations)</i> R3. PIR Occupancy Sensor <i>(for wet locations)</i> R4. Microwave Occupancy Sensor <i>(On/Off Only)</i> R5. Microwave Occupancy Sensor <i>(0-10V Dimming 30%)</i> R6. Microwave Occupancy Sensor <i>(0-10V Dimming 50%)</i>	Two Occupancy Sensors are available: A. High/Medium Bay Passive Infrared (PIR) Occupancy Sensors: Recommended for ceiling heights 15-feet or higher. PIR sensors function as an automatic lighting control in high and medium bay applications. B. Microwave Sensors: Recommended for ceiling heights 15-feet or lower. The microwave sensor detects the slightest movement in the occupancy zone. Detection is sensed through doors, glass, or thin walls.
S. Stainless Steel Latches	
*W. Wide Specular Reflector	Can only be used with two (2) lamp 4-foot or four (4) lamp 8-foot Narrow Body Luminaires, and 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.
Y. Surface Mount Bracket	EPCO will pre-drill a hole in the luminaire housing at the designated "number" location as shown in the diagrams on page 14, to facilitate pulling the supply conductors from the junction box and into the luminaire.
Z. Bulk Packaging	25 or 50 per skid (eliminates individual carton packaging on the job site). When entering Bulk Packaging orders, do not include Mounting Hardware or Tamper Resistant Screws in your part number.

T5 AND T8 LED AND FLUORESCENT LINEAR LUMINAIRES

ORDERING EXAMPLE — WIDE BODY T5 AND T8 LED AND FLUORESCENT LAMP



Wide Body Luminaire Options

Wide Body luminaires can be built to your specifications by adding the respective item numbers. Wide Body LED Lamp luminaires and Wide Body Fluorescent luminaires do not include lamps. **Note:** We recommend using only Type B Single-End Powered Bi-Pin T5 or T8 LED Lamps. *Fluorescent luminaires only.

Option	Notes	
A. 6-Foot Power Cord (PSS6)	Straight Plug, 13 AMP	
A1. 6-Foot Twist Lock Power Cord	L5-15P, 120V	
A2. 6-Foot Twist Lock Power Cord	L7-15P, 277V	
*E. Emergency Battery Back-up Ballast		
G. Two (2) 1/2" Water Resistant Hubs	Required for Pendant Mounting an 8-foot luminaire.	When adding the Water Resistant Hubs the UL listing changes from a "wet" location to a "damp" location luminaire.
I. Two (2) 3/4" Water Resistant Hubs	Required for Pendant Mounting an 8-foot luminaire.	
N. Wide Body Specular Reflector		
R1. PIR Occupancy Sensor <i>(for dry locations)</i> R2. PIR Occupancy Sensor <i>(for dry locations/cold locations)</i> R3. PIR Occupancy Sensor <i>(for wet locations)</i> R4. Microwave Occupancy Sensor <i>(On/Off Only)</i> R5. Microwave Occupancy Sensor <i>(0-10V Dimming 30%)</i> R6. Microwave Occupancy Sensor <i>(0-10V Dimming 50%)</i>	Two Occupancy Sensors are available: A. High/Medium Bay Passive Infrared (PIR) Occupancy Sensors: Recommended for ceiling heights 15-feet or higher. PIR sensors function as an automatic lighting control in high and medium bay applications. B. Microwave Sensors: Recommended for ceiling heights 15-feet or lower. The microwave sensor detects the slightest movement in the occupancy zone. Detection is sensed through doors, glass, or thin walls.	
V. V-Hooks	Two (2) per Package	
Z. Bulk Packaging	25 or 50 per skid (eliminates individual carton packaging on the job site)	

Note: Two (2) Wide Body T5 or T8 LED luminaires is the minimum order quantity. We will not ship any Wide Body T5 or T8 LED luminaires that do not meet the minimum order quantity requirement!

NARROW BODY SHIP WEIGHT (APPROXIMATE):

- 2-Foot Narrow Body Fluorescent Luminaire: 8 lbs. (3.62kg)
- 4-Foot Narrow Body LED Lamp Luminaire: 13 lbs. (5.89kg)
- 4-Foot Narrow Body Fluorescent Luminaire: 13 lbs. (5.89kg)
- 8-Foot Narrow Body LED Lamp Luminaire: 21 lbs. (9.52kg)
- 8-Foot Narrow Body Fluorescent Luminaire: 21 lbs. (9.52kg)

Note: Ship weights are based on standard part numbers.

WIDE BODY SHIP WEIGHT (APPROXIMATE):

- 4-Foot Wide Body Fluorescent Luminaire: 26 lbs. (11.79kg)
- 4-Foot Wide Body LED Lamp Luminaire: 23 lbs. (10.43kg)

 EPCO Linear Luminaires are Made in the USA.
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(05/18-BB)
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