

## FEATURES & SPECIFICATIONS

### INTENDED USE

The LXT offers the look and feel of a fluorescent luminaire - subtle soft direct elements, interest and depth across the ceiling plane - with a contemporary look that blends with today's commercial spaces.

The extruded acrylic lens with softening overlay provides a low brightness glow, with the effective combination of excellent light transmission and effective lamp obscuration.

### APPLICATIONS

For recessed commercial applications such as offices, hospitals, schools, etc. Suitable for use in standard 15/16" inverted T-bar grid ceilings.

### FEATURES

- High reflectance optical engine delivers main beam focus through the optically designed acrylic lens
- Linear ribbed acrylic lens with Lumieo overlay manages the balance of efficiency and aesthetics
- Reflector distributes light through both optical elements
- Linear arrayed LED modules provide soft, but effective illumination

### SPECIFICATIONS

#### HOUSING

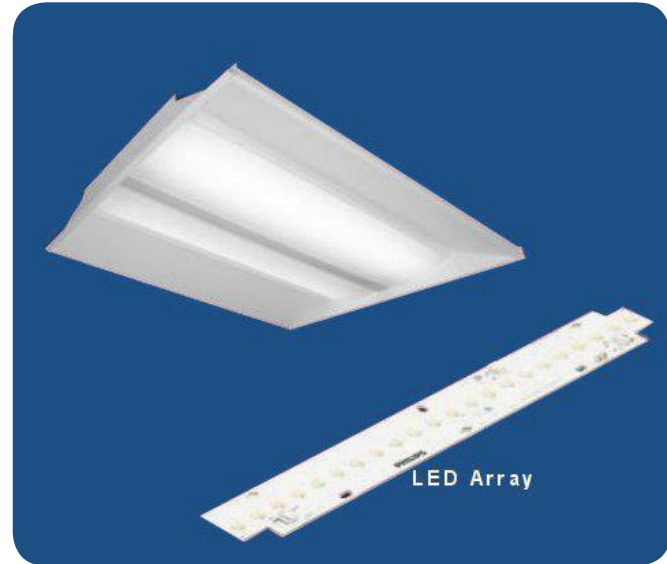
Low Profile body with matte white sloped side members

#### DIRECT OPTICAL COMPONENT

High reflectance optical engine

#### DIFFUSER SURROUND

Linear ribbed acrylic lens with Lumieo



#### REFLECTOR

High reflectance white reflector

#### LUMINAIRE TYPE

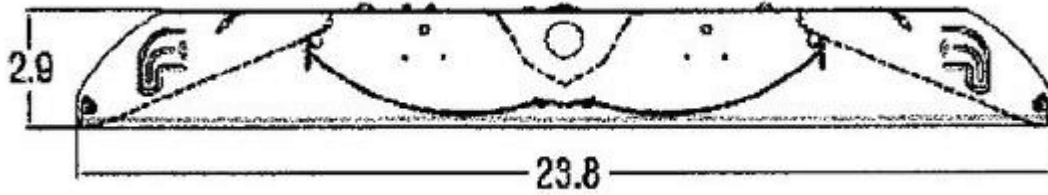
Recessed troffer fixture body assembly 2'x2' and 2'x4' size

#### LIGHT SOURCE

350ma driver suitable for 120V-277V operation; linear fluorescent options in T5, T5HO or bi-axial lamps

Item Number	Dimensions (LxWxH)	Lamping
LXT224MV	23.8" x 23.8" x 2.9"	2-F24T5HO
LXT254MV	23.8" x 47.8" x 2.9"	2-F54T5HO
LXT22L44W3025L40K	23.8" x 23.8" x 2.9"	192 LEDS, 44W, 3025 Lumens, 4000K
LXT24L88W6050L40K	23.8" x 47.8" x 2.9"	384 LEDS, 88W, 6050 Lumens, 4000K

**END PROFILE**



# LXT Series

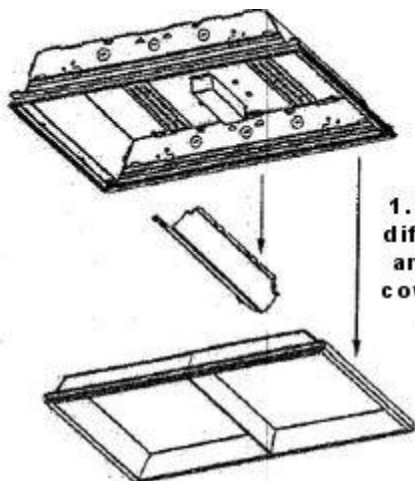
2x2/2x4 LED/FLUOR



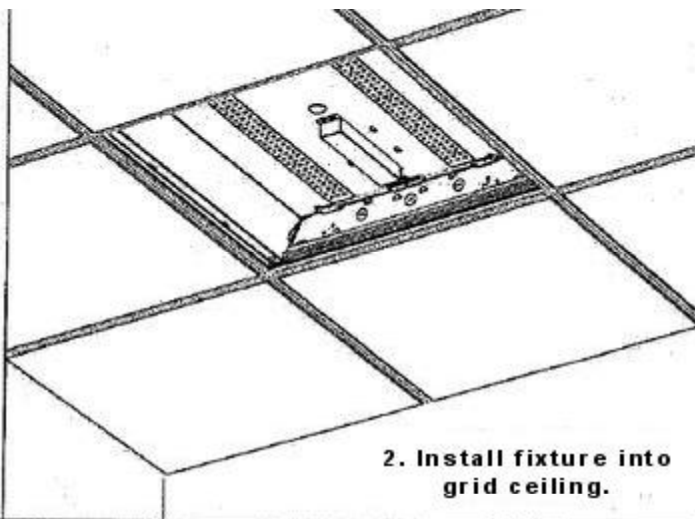
TEXAS

FLUORESCENTS

## LED Recessed 2' x 2' Troffer Installation Instructions

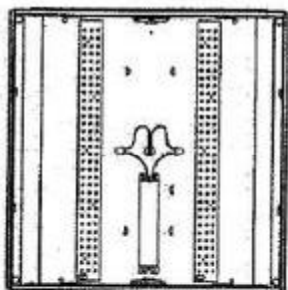


**1. Remove louver/  
diffuser assembly  
and center driver  
cover from fixture.**

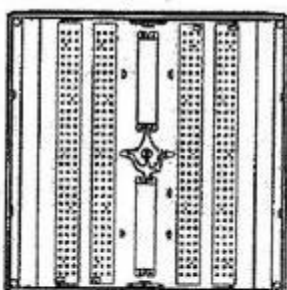


**2. Install fixture into  
grid ceiling.**

**Make sure power is turned off at the source  
to the troffer housing.**

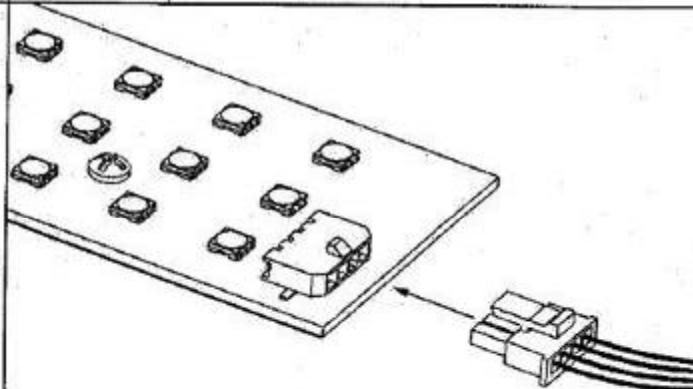


2 boards

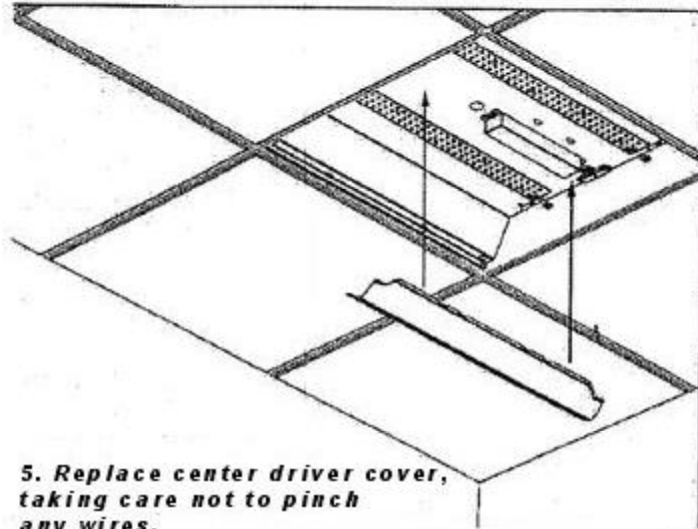


4 boards

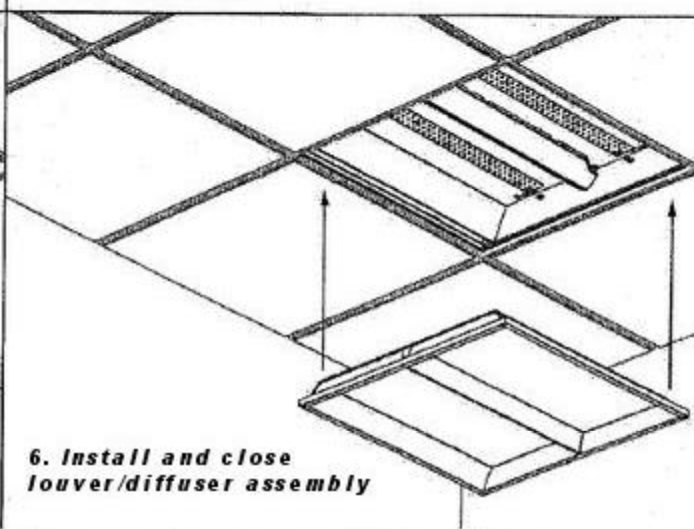
**3. Bring electric power cord in through back of  
fixture. Using wire nuts, connect cord leads to  
LED driver input wires (black/white). Driver  
can be connected to 120-277V AC input.**



**4. Ensure all microconnectors are attached  
to LED circuit boards.**



**5. Replace center driver cover,  
taking care not to pinch  
any wires.**



**6. Install and close  
louder/diffuser assembly**

**7. Restore power to fixture at fuse or circuit breaker.**

Texas Fluorescents

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Rev. 8/8/12

Catalog Number:

Notes:

# LXT Series

2x2/2x4 LED/FLUOR



T E X A S

F L U O R E S C E N T S

## IESNA LM79-2008 TEST REPORT SUMMARY

### Summary of Key Test Results

Model# LXT22L44W3025L40K  
Model Name 2 x 2 Troffer Luminaire  
Manufacturer Texas Fluorescent  
TÜV Sample# 213-2  
Date of Test May 28<sup>th</sup> 2012



### Notes:

Tested in intended orientation  
(Downwards)

Parameter	Measured Result
Luminous Flux	<b>3,000</b>
Input Power	<b>42.68 Watts</b>
Efficacy	<b>70.22 Lumens/Watt</b>
C.C.T.	<b>3948 K</b>
C.R.I. (R <sub>a</sub> )	<b>83.3</b>
Beam Angle	<b>98.5°</b>
Stabilization Time	<b>40 minutes</b>

The above results are recorded / derived from measurements in accordance with LM79-08

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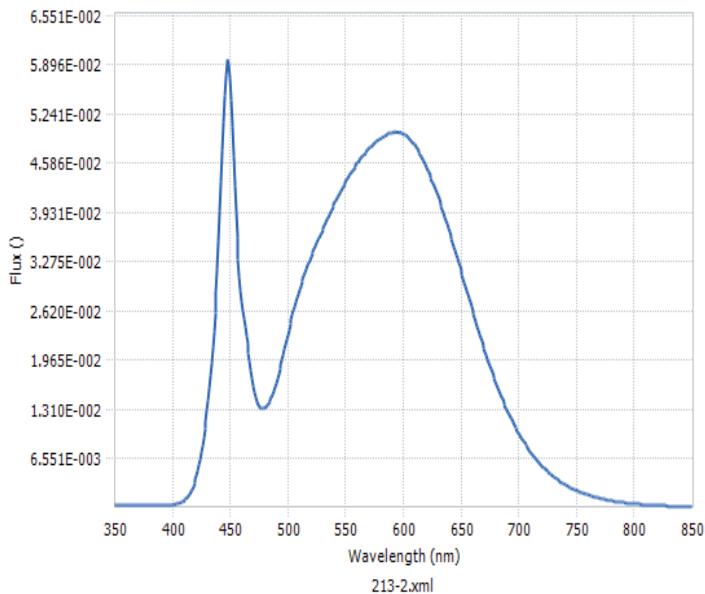
Notes:

## IESNA LM79-2008 TEST REPORT SUMMARY

### Spectral Flux and Chromaticity Diagram

#### Spectral Flux

▼ SPECTRAL FLUX GRAPH:

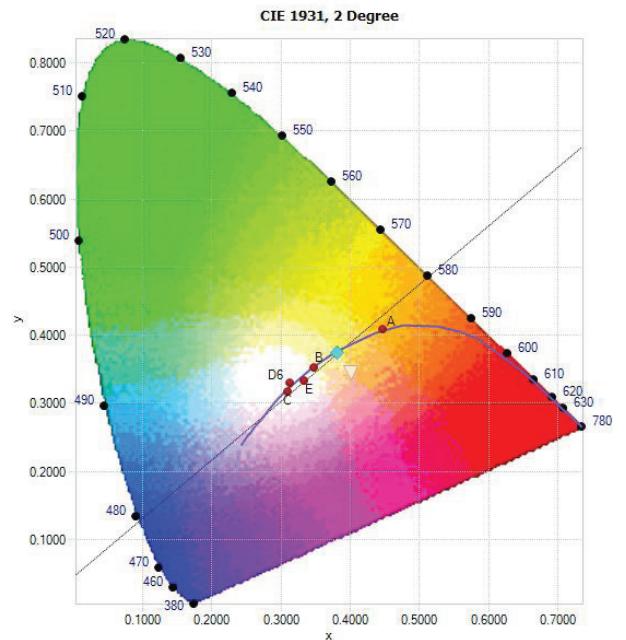


Spectral response of the Radiant Flux

(350nm to 850nm)

#### Chromaticity Diagram

▼ CHROMATICITY DIAGRAM:



Tristimulus values (from page 5):

$$x / y = 0.3816 / 0.3745$$

The locations on the diagram of the tristimulus coordinates are indicated by the blue diamond.

### Zonal Lumen Summary

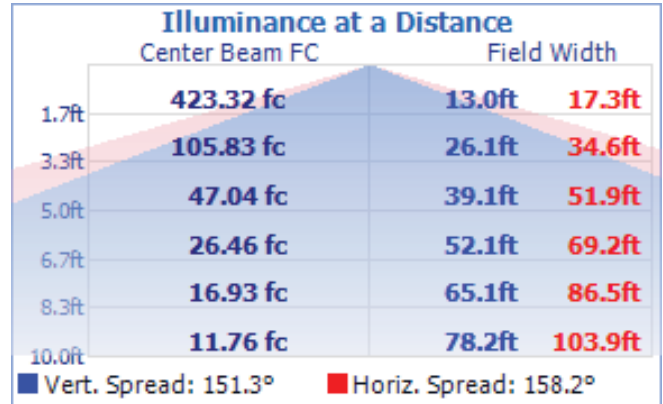
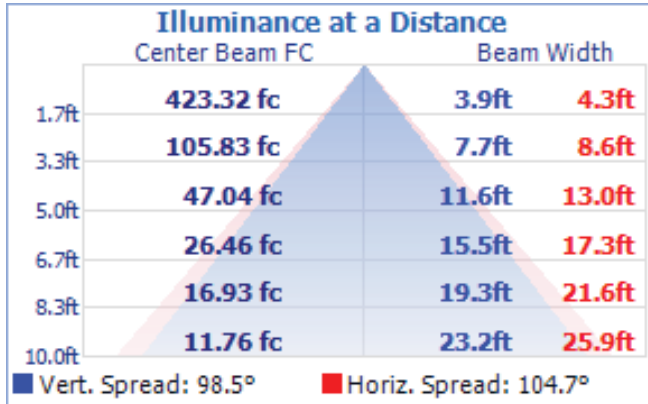
Zone	Lumens	% Lamp / Luminaire
0 - 60	2,407	81.7 %
60 - 90	540.8	18.3 %
0 - 90	3,000	100.0 %
90 - 180	0.0	0.0 %
0 - 180	3,000	100 %



## IESNA LM79-2008 TEST REPORT SUMMARY

### Test Results – Illuminance Plots

The following images depict the illuminance characteristics of the luminaire.

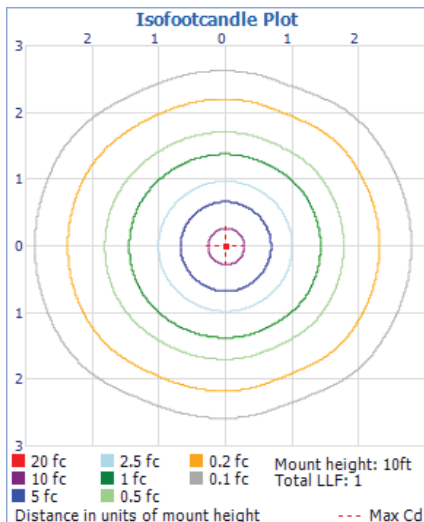


Beam Angle = 98.5 °

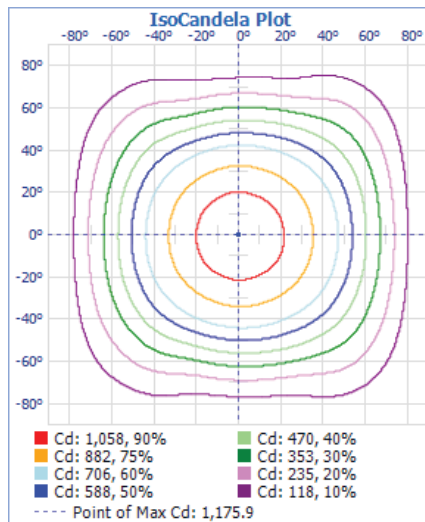
Field Angle = 151.3°

### Test Results – Candela Plots

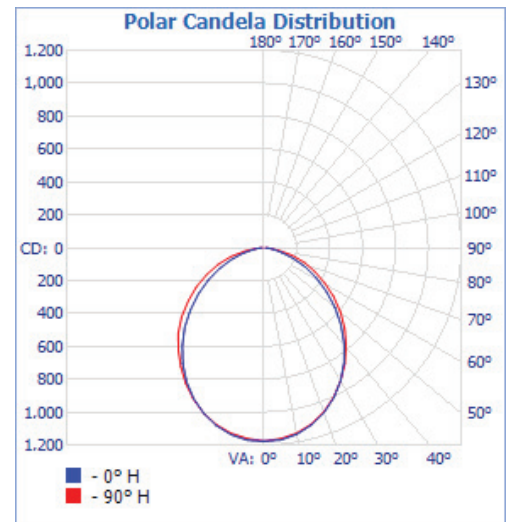
The following images depict the luminous intensity distribution characteristics of the luminaire:



Isofootcandle Plot



Isocandela Plot



Polar Candela

Maximum Candela = 1,175.9 at Horizontal: 0.0°, Vertical: 0.0°