

LXT Series

2x2/2x4 LED/FLUOR

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

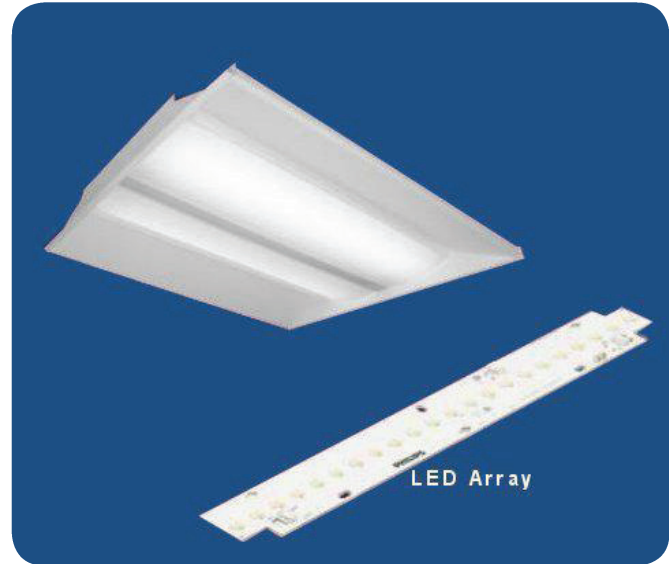
Low Profile body with matte white sloped side members

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

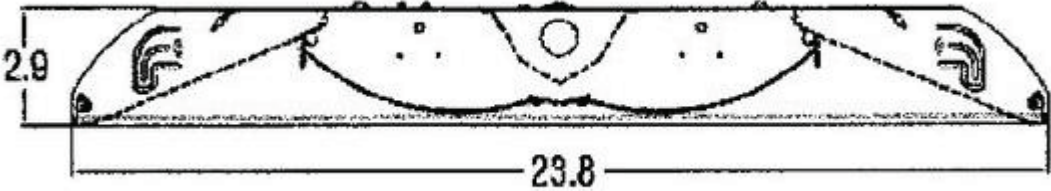
350ma driver suitable for 120V-277V operation; linear fluorescent options in T5, T5HO or bi-axial lamps

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

Catalog Number:

Notes:

END PROFILE

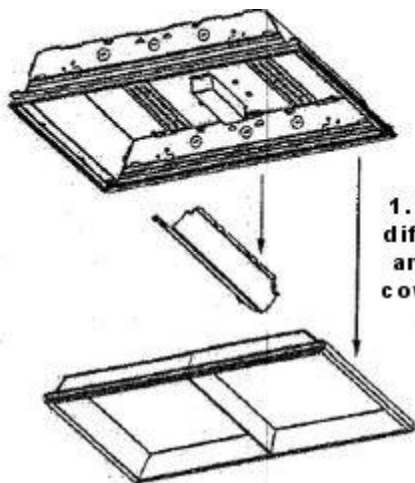


Catalog Number:
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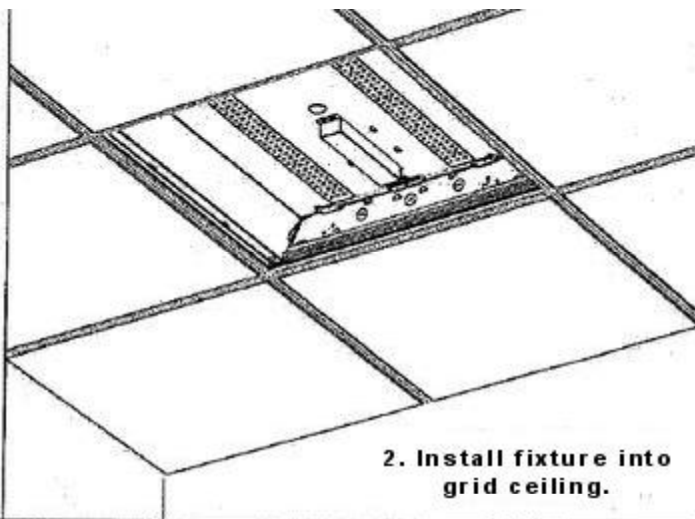
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LED Recessed 2' x 2' Troffer Installation Instructions

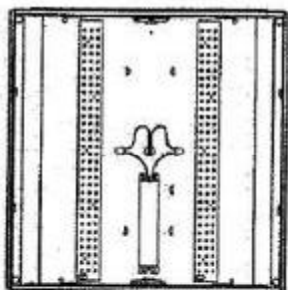


1. Remove louver/
diffuser assembly
and center driver
cover from fixture.

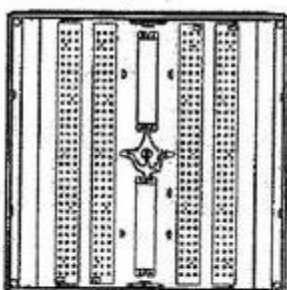


2. Install fixture into
grid ceiling.

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

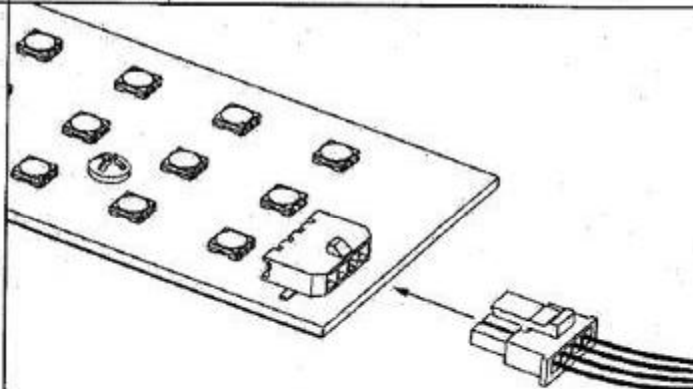


2 boards

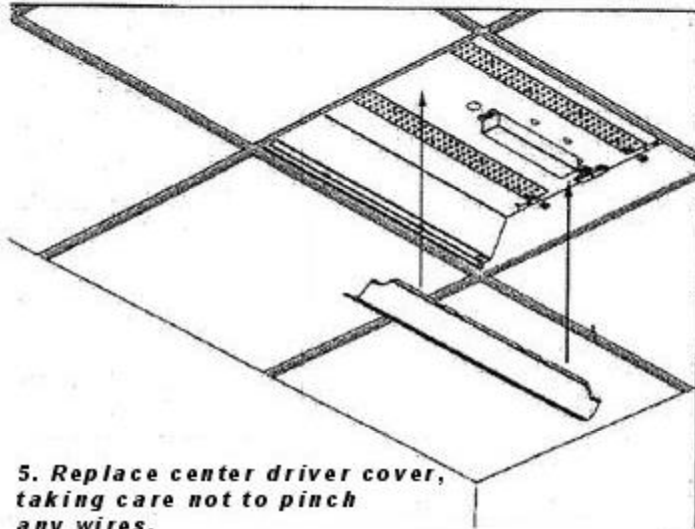


4 boards

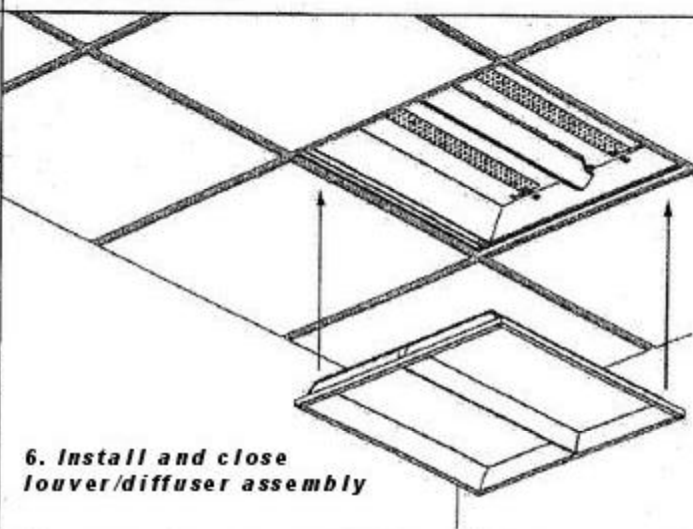
3. Bring electric power cord in through back of
fixture. Using wire nuts, connect cord leads to
LED driver input wires (black/white). Driver
can be connected to 120-277V AC input.



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
louver/diffuser assembly

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

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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 28th 2012

Notes:

Tested in intended orientation
(Downwards)



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

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

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LXT Series

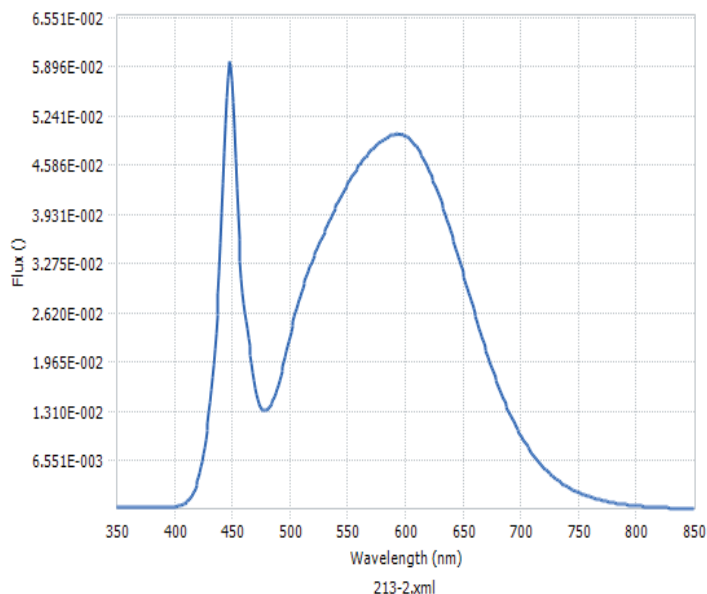
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IESNA LM79-2008 TEST REPORT SUMMARY

Spectral Flux and Chromaticity Diagram

Spectral Flux

▼ SPECTRAL FLUX GRAPH:

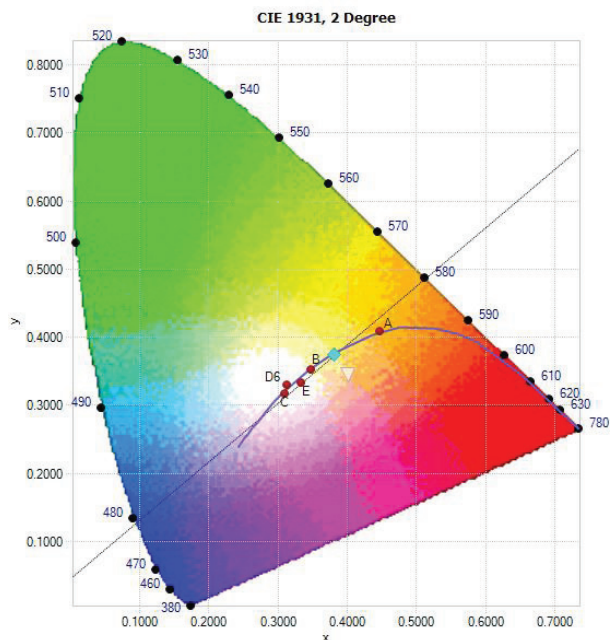


Spectral response of the Radiant Flux

(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 %

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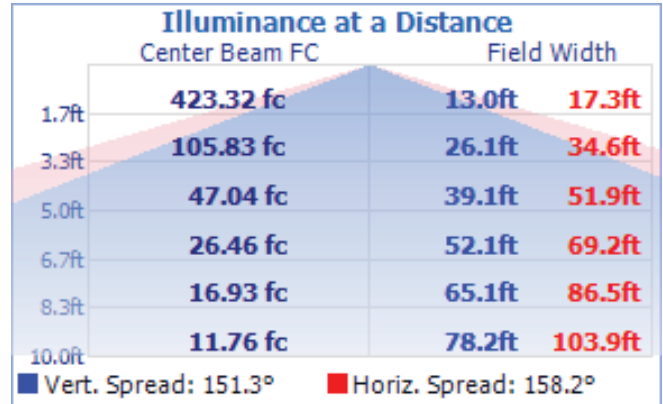
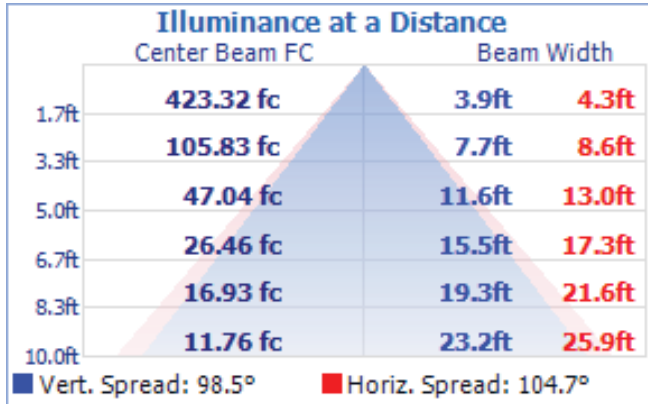
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IESNA LM79-2008 TEST REPORT SUMMARY

Test Results – Illuminance Plots

The following images depict the illuminance characteristics of the luminaire.

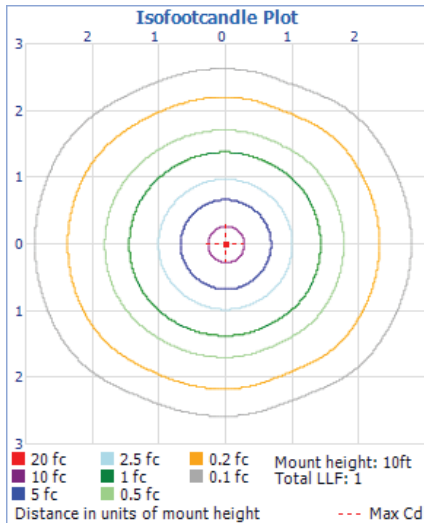


Beam Angle = 98.5°

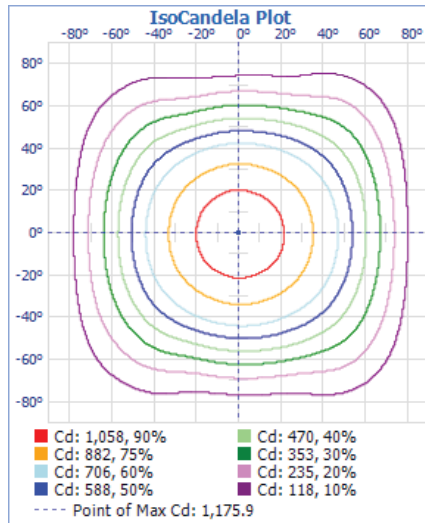
Field Angle = 151.3°

Test Results – Candela Plots

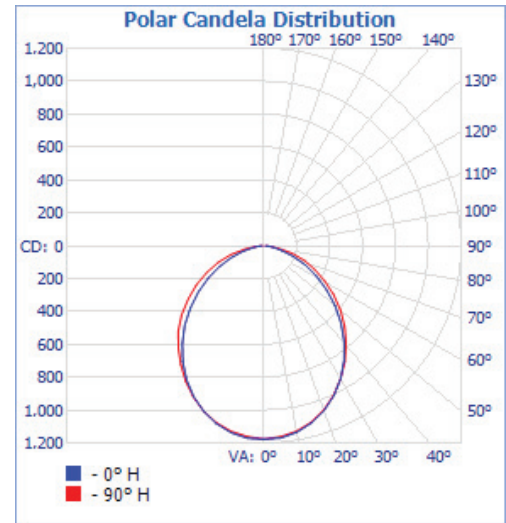
The following images depict the luminous intensity distribution characteristics of the luminaire:



Isofootcandle Plot



IsoCandela Plot



Polar Candela

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

Catalog Number:

Notes: