

## 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.

Combined with LED Array and drives, this series offers state-of-the-art lighting performance, energy efficiency and reduced maintenance.

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 surface commercial applications such as offices, hospitals, schools, etc.

### 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 with shroud

#### DIRECT OPTICAL COMPONENT

High reflectance optical engine

#### DIFFUSER SURROUND

Linear ribbed acrylic lens with Lumieo

#### REFLECTOR

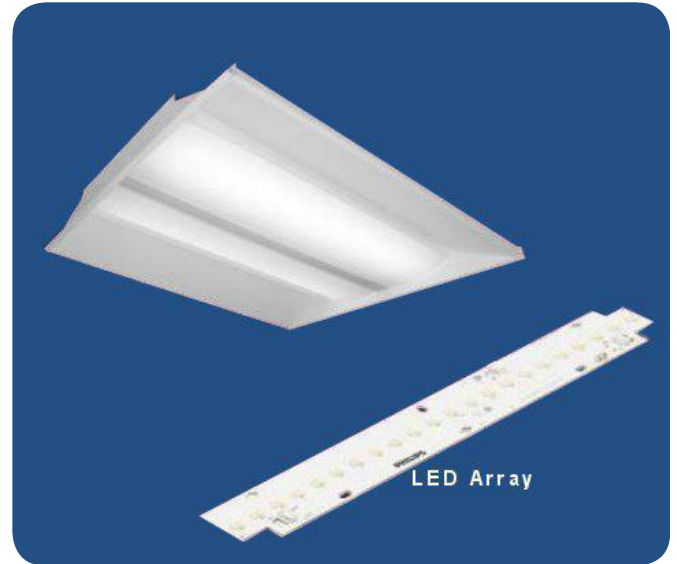
High reflectance white reflector

#### LUMINAIRE TYPE

Surface 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
SHLXT224MV	23.8" x 23.8" x 2.9"	2-F24T5HO
SHLXT254MV	23.8" x 47.8" x 2.9"	2-F54T5HO
SHLXT22L44W3025L40K	23.8" x 23.8" x 2.9"	192 LEDS, 44W, 3025 Lumens, 4000K
SHLXT24L88W6050L40K	23.8" x 47.8" x 2.9"	384 LEDS, 88W, 6050 Lumens, 4000K

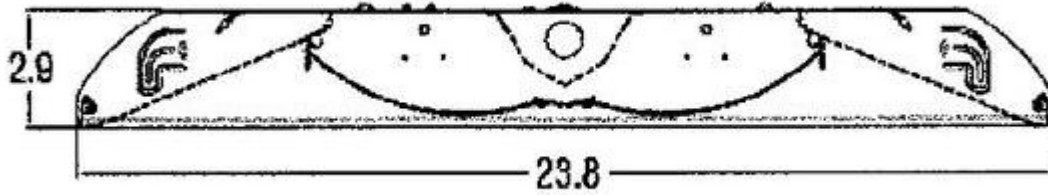
Remove "SH" for recessed version.

# SHLXT Series

Surface Mount 2x2/2x4 LED/FLUOR



## END PROFILE



Texas Fluorescents  
2055 Luna Rd. Suite 142 Carrollton, TX 75006  
Phone: 972-247-3171 Fax: 972-247-0200  
www.texasfluorescents.com Email: sales@texasfluorescents.com

Catalog Number:
Notes:

## IESNA LM79-2008 TEST REPORT SUMMARY

### Summary of Key Test Results

Model# SHLXT22L44W3025L40K  
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>

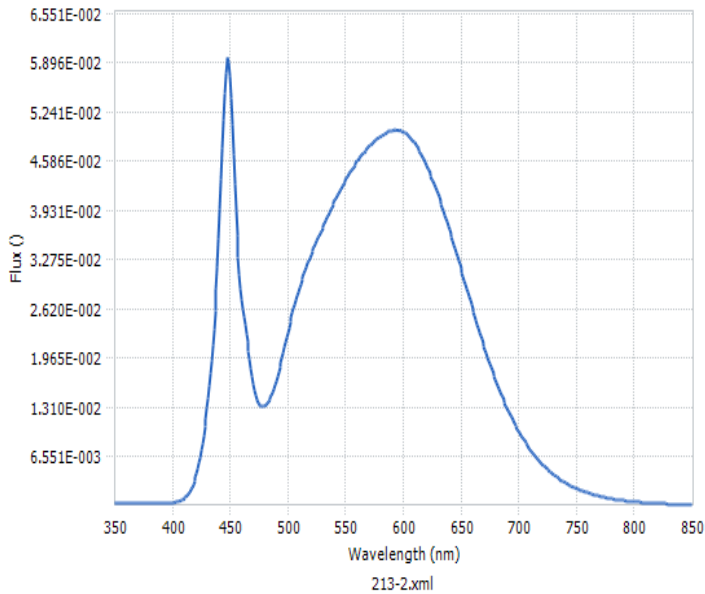
The above results are recorded / derived from measurements in accordance with LM79-08

## IESNA LM79-2008 TEST REPORT SUMMARY

### Spectral Flux and Chromaticity Diagram

#### Spectral Flux

▼ SPECTRAL FLUX GRAPH:

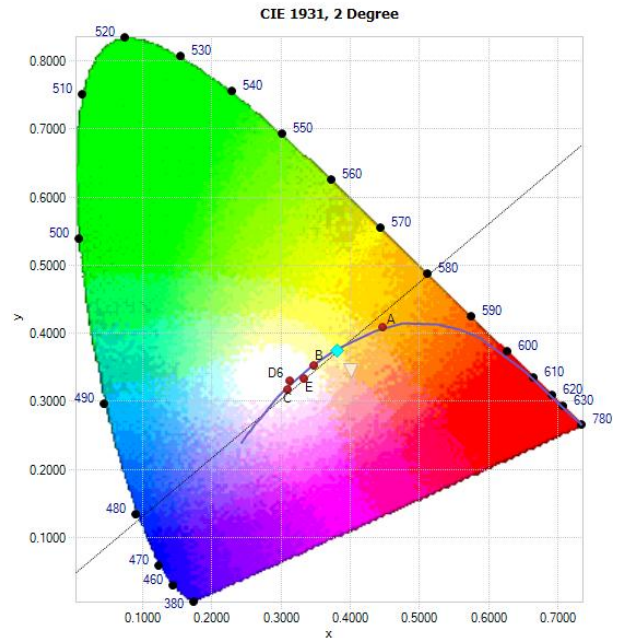


Spectral response of the Radiant Flux

(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.

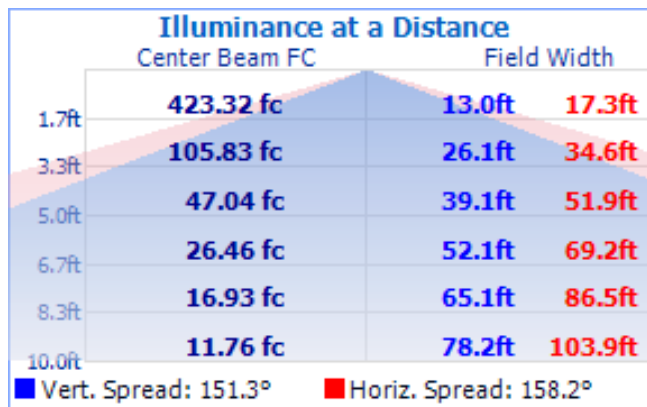
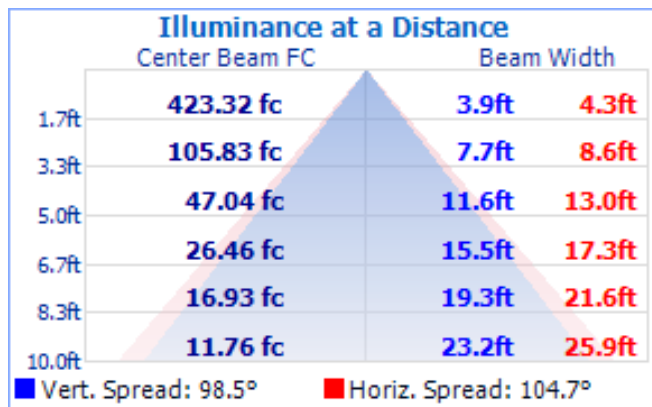
### Zonal Lumen Summary

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.

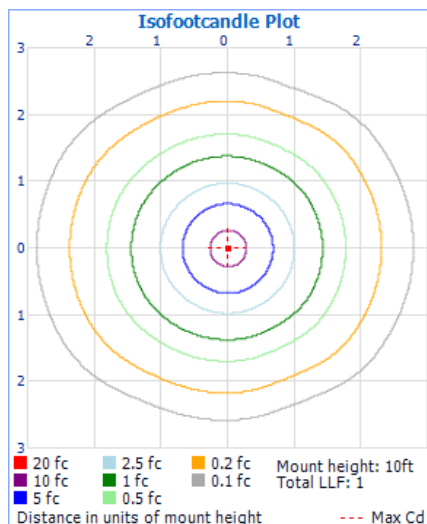


Beam Angle = 98.5°

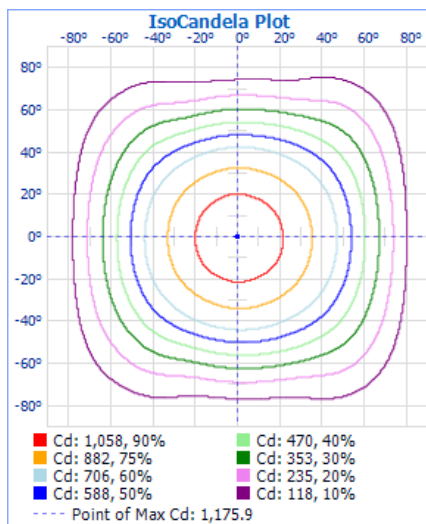
Field Angle = 151.3°

### Test Results – Candela Plots

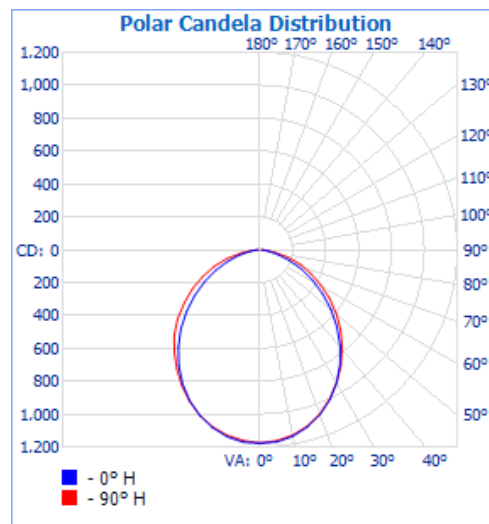
The following images depict the luminous intensity distribution characteristics of the luminaire:



Isofootcandle Plot



Isocandela Plot



Polar Candela

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