



LED Recessed T-Bar Modular Ceiling Luminaires

CLL2X2 -x00-TPW-001W



Wide-Range Voltage 100-277VAC — Standard 2ft x 2ft — For Typical Ceilings of 8 to 10 feet

Replaces 64-Watt to 80-Watt Fluorescent T8 or T12 Light Fixtures

FEATURES

- **Lamp Warranty:** 3 Years
- **Easy Installation:** Using Existing T-Bar Recessed 2ftx2ft Module Light Fixtures
- **LEDtronics Designed LEDs:** For Longevity and Optimum Intensity
- **White LED Operating Life:** Up to 50,000+ Hours (5.7+ Years) of Continuous Use
- **Flexible Voltage Range:** Accepts North American 110/120V 50/60Hz, European 220/240V 50/60Hz Voltages, and 277VAC
- **Even Lighting:** High Intensity / No Halation / Glare-Free

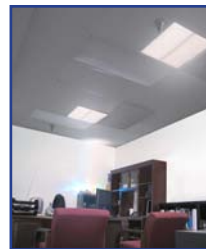
Environment

- **Solid Construction:** 22-gauge Steel Housing with Baked White Polyester Finish and Prismatic Acrylic Lens in 20ga Steel Frame
- **Safety Assurance:** Compliant with Restriction of Hazardous Substances Directive (RoHS)



APPLICATIONS

- Replaces Standard Fluorescent Fixtures
- Office/ Studio/ Workroom Lighting
- Alcove Lighting
- Hallway/ Lobby Lighting
- Schoolroom Lighting
- Closet Illumination



BENEFITS

- **Major Power Savings:** Up to 50% Compared to Fluorescent Lighting Dramatically Reduces Energy Costs
- **Longer Operating Life:** 2 to 3 Times Longer than Fluorescents
- **Solid-State:** High-Shock & High-Vibration-Resistant
- **Instant, Full-Strength Lightup:** No Buzzing / Flickering
- **Radiation-Free:** No Harmful Ultraviolet or Infrared
- **Emissions-Free:** No RFI/EMI/HD Problems Related to Fluorescents in Hospital Radiology Areas, Sensitive Instruments, etc.
- **Harmful Substances-Free:** No Mercury or Other Toxic Metals
- **Lower-Maintenance:** Major Labor Savings Wherever Tubes Are in Difficult-to-Reach Areas
- **Cooler Operation:** Creates Less Heat Compared to Conventional Lighting, Reducing Air-Conditioning Demands
- **Flexible Ambient Temperatures:** Much Better Performance in Cold Freezer-Type Applications

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	CLL2X2-x00-TPW-001W
Emitted Color	Pure White
Color Temperature	5000 Kelvin
Color Rendering Index (CRI)	75
Input Voltage	100-277VAC – 50/60Hz (Tested @ 120VAC)
LED Cathode Temperatures	84.2°F to 93.7°F [29°C to 34.3°C]
Ambient Room Temperatures	~-22°F to ~+122°F [~-30°C to ~+50°C]
Lens/Window	Prismatic Acrylic in 20ga Steel Frame
Housing	22ga Steel w/Baked White Polyester Finish
Mounting Method	Recessed Mounting Between Ceiling T-Bars
Recomm. Mounting Height	8ft to 10ft [2.4m to 3m]
Dimensions	23.75 × 23.75 × 5.00 inches [603.3 × 603.3 × 127.0 mm]
Weight	16.0 lbs [7.26 kg]

CONSTRUCTION

- **Door Frame:** 20-gauge Cold-Rolled Steel, Screwed at Each Corner; T-Hinge, Positive Spring-Loaded Latch
- **Housing:** 22ga Cold-Rolled Steel
- **Finish:** Baked White Polyester, Minimum Reflectance of 86%
- **Lens:** Clear Prismatic Acrylic Standard
- **UL-Compliant:** Housing Construction Meets UL Standards; UL-Rated Power Supply

CUSTOM OPTIONS

[For qualified applications & large-quantity OEM orders]

- Cool White, Warm White
- Special Voltages
- Black Enamel or Anodized Aluminum Finishes

Part Number	Replaces Standard...	Max. Ft. Candela	Total Lumens	Energy Used	Input Current	Efficacy	Power Factor	Beam Angle
CLL2X2-400-TPW-001W	2'x2' Fluorescent 64W Unit	688 cd	1,840 lm	24.3 W	203mA	75.7 lm/W	1.00	105°
CLL2X2-800-TPW-001W	2'x2' Fluorescent 80W Unit	1,079 cd	2,753 lm	35.8 W	301mA	76.9 lm/W	0.99	102°

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THE FUTURE OF LIGHT



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PHOTOMETRICS

CLL2X2-400-TPW-001W

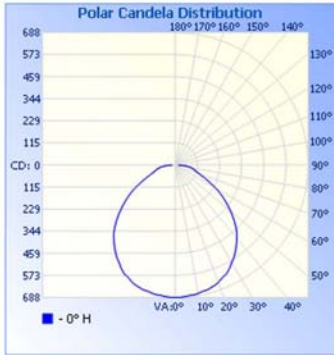
Luminaire Photometric Report

Filename: CLL2X2-400-TPW-001W
 Manufacturer: LEDTRONICS -
 Luminaire: STANDARD LENS, 24.3W, 120VAC
 Luminaire Cat: CLL2X2-400-TPW-001W
 Lamp: LUMEN RATING: 1840.5Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 1840.5
 Max Candela: 688.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 9-8-09

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	539.2	29.3%	29.3%
0-40	878.4	47.7%	47.7%
0-60	1,492.2	81.1%	81.1%
60-90	348.3	18.9%	18.9%
0-90	1,840.5	100%	100%
0-180	1,840.5	100%	100%

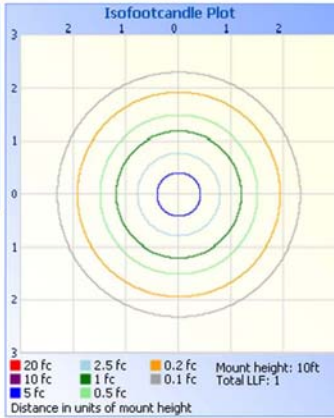
Total Efficiency: 100%



Illuminance at a Distance

Center Beam FC	Beam Width
1.7ft	247.68 fc
3.3ft	61.92 fc
5.0ft	27.52 fc
6.7ft	15.48 fc
8.3ft	9.91 fc
10.0ft	6.88 fc

Beam Spread: 104.6°



CLL2X2-800-TPW-001W

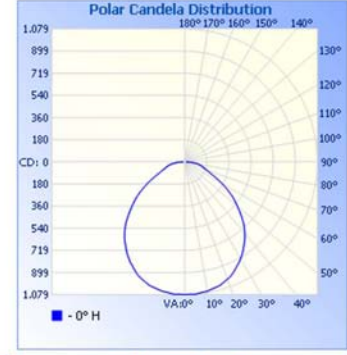
Luminaire Photometric Report

Filename: CLL2X2-800-TPW-001W
 Manufacturer: LEDTRONICS -
 Luminaire: STANDARD LENS, 35.8W, 120VAC
 Luminaire Cat: CLL2X2-800-TPW-001W
 Lamp: LUMEN RATING: 2753.0Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 2753
 Max Candela: 1,079.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 9-3-09

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	842.7	30.6%	30.6%
0-40	1,366.4	49.6%	49.6%
0-60	2,282.7	82.9%	82.9%
60-90	470.3	17.1%	17.1%
0-90	2,753.0	100%	100%
0-180	2,753.0	100%	100%

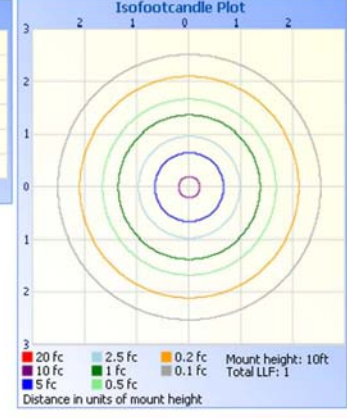
Total Efficiency: 100%



Illuminance at a Distance

Center Beam FC	Beam Width
1.7ft	388.44 fc
3.3ft	97.11 fc
5.0ft	43.16 fc
6.7ft	24.28 fc
8.3ft	15.54 fc
10.0ft	10.79 fc

Beam Spread: 101.6°



DIMENSIONS

