



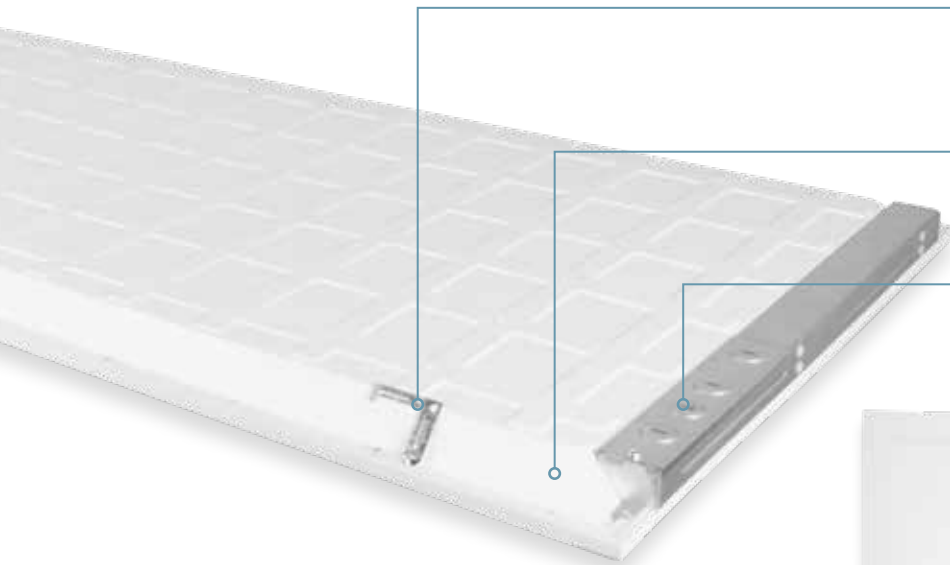
NICOR[®] | T7C
LED Backlit Troffer

T7C

The T7C is a spec-grade Troffer that will exceed quality and performance for most commercial spaces. The T7C LED Troffer features a pre-mounted driver and a maintenance-free, fully sealed chamber with a seamless aluminum frame. The fixture utilizes a precision-engineered, textured diffuser to deliver maximum lumen output and optimal uniformity without revealing hot spots or shadowing. Available in 3000K, 4000K, and 5000K correlated color temperatures (CCT). Now with DLC 5.1 Premium certification, ensuring top of the line quality and performance. The T7C is the perfect lighting solution for offices, hospitals, and other commercial spaces.



FEATURES



Integral Grid-Tie Clips

Attached grid clip with wire-tie holes provided for seismic requirements

Safe Handling

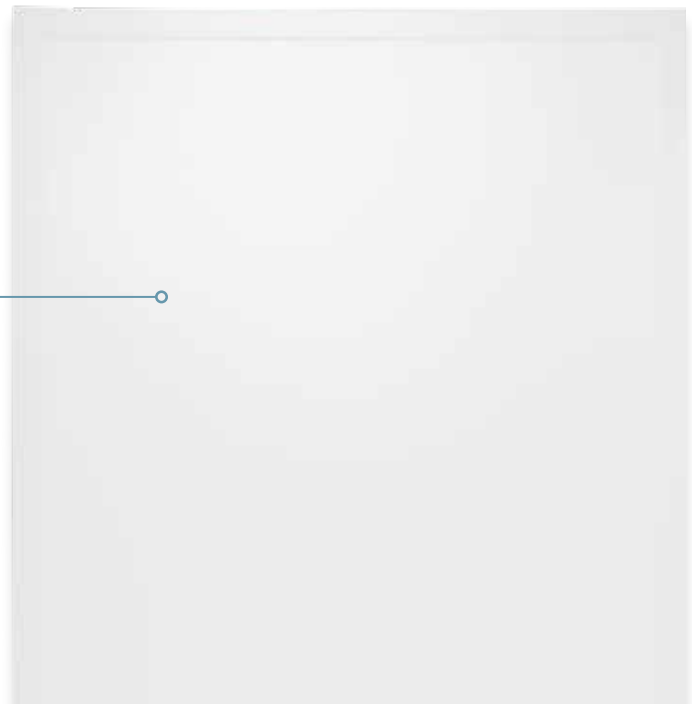
Smooth formed sides for safe handling

Fast Installation

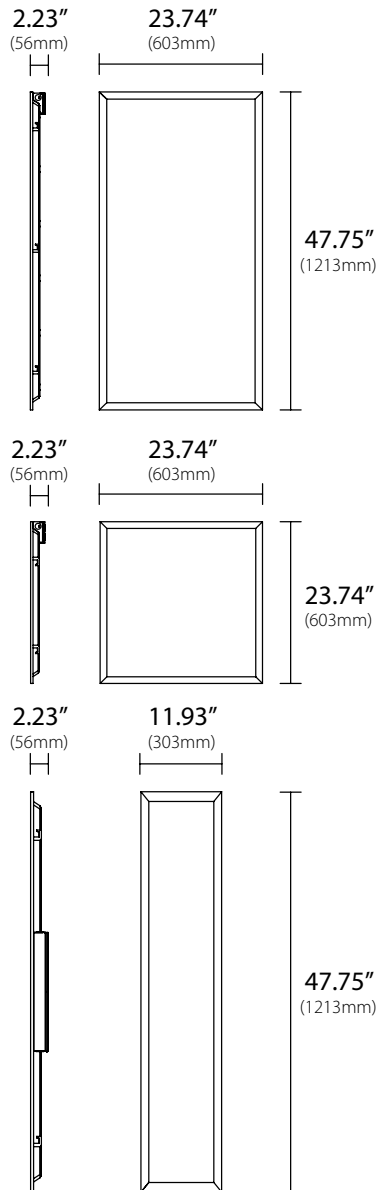
Features an integral driver for easy installation

Light Uniformity

No visible diodes, hot-spots, or shadows providing high uniformity and reduced glare



Product Information



Construction

- Extruded aluminum frame with powder coat finish
- Durable stamped housing
- High efficiency, maintenance-free LED chamber
- Smooth formed sides for safe handling

Optical System

- Internal batwing distribution lenses
- High reflectivity internal coating
- Precision engineered polystyrene diffuser
- No visible diodes, hot-spots, or shadows providing high uniformity, and reduced glare
- 80 CRI for good color definition in public places

Electrical

- Input voltage of 120-277VAC
- Full-range dimming via 1-10VDC controls
- Power factor > 0.9
- THD < 20%
- Luminaire surge protection level designed to withstand up to 2.5kV ring wave per ANSI C82.77-5-2017 requirements for Indoor Hard-wired and Indoor Portable Luminaires
- Operating temperature range: 4°F to 104°F (-20°C to 40°C)

Mounting and installation

- Single cover plate with access to both line and low voltage connections
- Emergency battery backup available
- Integral grid tie clips with wire holes provided for seismic requirements
- Surface mount installation with an optional adapter
- Drywall installation with an optional adaptor
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel

Listings

- cULus 1598 Listed for damp locations
- Certified for direct contact with insulation (IC-Rated)
- DLC 5.1 Premium listed
- RoHS Compliant
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- TM-21 Reported L70(9k) life >54,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

Warranty

- 5-year limited system warranty standard
- Warranty does not cover product failure due to an over-voltage event (power surge.)

Photometric Data (3500K)

Performance Data	T7C14	T7C22	T7C24
Input Voltage (VAC)	120-277	120-277	120-277
System Level Power (W)	27.4	34.6	46.2
Delivered Lumens (Lm)	3558	4494	5638
System Efficacy (Lm/W)	129.9	129.9	122.0
Correlated Color Temp (K)	3485	3512	3495
Color Rendering Index (CRI)	84	83	83
Beam Angle (0)	112.0°	112.2°	112.4°
Beam Angle (90)	113.0°	113.3°	112.7°
Spacing Criteria (0)	1.28	1.26	1.28
Spacing Criteria (90)	1.28	1.26	1.26

Ordering Information

Ex. T7C14HU35E1

Series	Size	Voltage	CCT's	EM (Optional)
T7C	14 (1' x 4')	HU (120-277V)	35 (3500K)	E1 (EMB045)
	22 (2' x 2')		40 (4000K)	E2 (EMB080)
	24 (2' x 4')		50 (5000K)	

Accessories

(Sold Separately)

	T7C14	T7C22	T7C24
Surface Mount Kit	TPE10SK14	TPE10SK22	TPE10SK24
Surface Mount Kit for E1/E2	SK14M10WH	SK22M10WH	SK24M10WH
Flange Kit	TPE10FK14	TPE10FK22	TPE10FK24

Recommended Dimmers*

Lutron NTSTV	Cooper SF10P
Lutron DVSTV	Legrand RH4FBL3PW

*Not a complete list. Check compatibility before installation



Warehouse Locations

Albuquerque, NM
Atlanta, GA
Buford, GA
Detroit, MI
Folcroft, PA

Houston, TX
Roseville, CA
Syracuse, NY
Van Nuys, CA

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