

# GEN2 CLARIS LED Upgrade Retrofit Kit

Fluorescent Replacement  
2'x2' Troffers

BUY AMERICAN.



ORDER # / **G2C22D2L40**

**REPLACES**

2 Lamp Fluorescent (T8 or T12)

**CONSISTS OF DLC QPL CROSSOVER**

G2CLA-16-2-D-40-1K-22

**HOUSINGS**

2'x2'

0-10V Dimmable



DLC Qualified Product Listed



UL Classified Conversion Kit (1598C, 8750)  
[UL housings maintain their UL rating with the kit installed]



Buy American



RoHS Compliant (No Hazardous Materials)



10 year warranty



**QUICK SHIP PROGRAM**

**LED Living Technology**  
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## KEY FEATURES

Color Temperature Options	4000K
Input Power Options (W)	16W
Efficacy (lm/W) of kit	144lm/W
CRI (Color Rendering Index)	86
Lumen Output	Up to 2300 lumens
LED Driver Lifetime	60,000 hrs min.
LED Calculated Lifetime	L80 @ 220,000 hrs
# Strip Options	2
Strip Dimensions	21.3" x 1"
Strip Weight	0.11 lbs

## LED Living Technology's GEN2 CLARIS LED Retrofit Kit

is the next generation in energy efficient LED upgrades for linear fluorescent troffers. Payback has never made more sense with 62-80% energy savings over T8 and T12 lamps, and virtually maintenance free operation for 24 years at 3,120 hours per year. Retrofit kits ordered through the Quickship Program benefit from a fast turnaround of 1-5 business days to ship.\*

### CONTROLS

**Standard:**  
0-10V Dimmable

### WARRANTY



7 Years LED Power Supply,  
10 Years all other components.

## ELECTRICAL PERFORMANCE

MODEL	DIMENSIONS	CONTROL COMPATIBILITIES							PROTECTIONS	THD (TOTAL HARMONIC DISTORTION)	POWER FACTOR	AMBIENT OPERATING TEMPERATURE
		10%	0-10V	Ω	PWM	TRIAC (120V)	ELV	Lutron 3-Wire				
G2C22D2L40	L 163mm x W 43mm x H 32mm L 6.41in x W 1.69in x H 1.26in	10%	✓	✓	✓				Short Circuit/Over Current [95-108%] Over Voltage [28 ~ 35V]/Over Temp.	<20%	>.9	-40°F (-40°C) ~ 122°F 50°C

## ADDITIONAL SPECIFICATIONS

### Lumen Maintenance

Minimum Lumen Maintenance 80% at 220,000hrs.

\*based on IESNA IES-LM-80-08, IES-LM-79-08, and In-Situ test reports relative standards UL 1598-2008.

### Mounting

5-10 minute install. Housing maintains its UL rating with the kit installed (UL1598C).

Fluorescent lamps and ballasts are removed, housing is cleaned with a 70% min. alcohol solution.

LED Strips in LED Upgrade Retrofit Kit are installed in existing housing with thermally conductive adhesive reinforced with **permanent rare earth magnets**, LED Power supply is mounted underneath existing ballast cover plate. Plug and play design.

*Please refer to installation guide for complete installation instructions. Retrofit Housings will retain UL listing if complete Claris LED Retrofit kit is installed utilizing provided installation guide.*

### Optics

To order, add line item LENS22 for Prismatic Overlay, or qty 2 per LED kit SL21 Frosted Snap On Lens covers.

#### LENS22 - Prismatic Upgrade Applications

Description: This .033" thick acrylic film diffuser overlays over existing Prismatic 2x2 A12 lenses. With beam shaping isotropic diffusion, individual LED hot spots are beam shaped into one continuous line for additional eye-comfort.

#### SL21 -

#### Parabolic / Open Housing Applications

Description: Diffusion installs literally with a snap, with LED Living Technology's new and exclusive snap on frosted lenses. Designers will find an increased area of diffusion, as the LEDs and snap on diffuser are mounted directly to the back of the housing, effectively eliminating unsightly dark shadowing.



SL21 - Parabolic  
Snap on Lens Cover

### Thermal Management

LED Boards 21.3" x 1" and LED High Performance Drivers are equipped with Rapid Thermafuse Technology: thermally conductive industrial strength adhesive for recycling existing housing as effective heat sink material.

### Photometry

Please contact LED Living Technology representative for Photometry of your specific kit configuration. Photometrics are tested to IESNA LM-79-08 standards.

### Environmental Sustainability

LED Living Technology's Claris LED Retrofit Kit is engineered to minimize accessory components and recycle existing troffer housings. Systems offer the highest level of performance with the lowest carbon footprint. Arsenic is NOT used in Claris LED boards; no mercury; no hazardous materials; 100% RoHs compliant.



DESIGNED &  
MANUFACTURED IN  
PENNSYLVANIA



\*<50 pcs 1-5 ship business days  
>50 pcs 1-10 ship business days  
New Accounts may be delayed.

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