

Models [CLA-22]

LiveLight Series
Non-Dimming



Product Description. CLARIS LED Retrofit Kits are designed for quick and easy replacement of fluorescent tubes within existing troffers. LED Living Technology's Retrofit Kit solution is revolutionary by design and the most flexible LED retrofit solution of its kind. Kits feature up to 67% power consumption reduction when compared with fluorescents. Employing patent-pending Rapid ThermaFuse Technology, Claris LED Retrofit Kits pioneer in speed and ease of installation. Uniquely modular kit design allows project-specific kit customization. Environmentally friendly; contains no hazardous materials.

KEY FEATURES¹

Color Temperature Options	3000K, 4000K, 5000K
Input Power Options (W)	22W, 44W <i>(Kits are modular & can be built upon)</i>
Efficacy (lm/W) of strips	Up to 130 lm/W
Efficacy of Kit with Diffuser ²	90 lm/W
CRI (Color Rendering Index)	84
Lumen Output	2090, 4180 lm
Rated Lifetime	60,000 hrs minimum
# Strip Options	2, 3, 4, 6, 8
Strip Dimensions	21.3" x 1"
Strip Weight	0.11 lbs

PROJECT NAME
ORDERING #

CLA-22-3-UNV-DW-2K-NB-24A
Replacement for 3 Lamp 2'x4'

CLA-22-2-UNV-CW-1K-OF-22A
Replacement for 2 Lamp 2'x2'
Parabolic/Egg Crate.



Kit	Compatible Housing	Watts	Efficacy of Kit*	Lumen Output
CLA-22-2-UNV-XX-1K	2'x2', 1'x4'	22	114 lm/W	2500
CLA-22-3-UNV-XX-1K	2'x2', 1'x4'	22	123 lm/W	2700
CLA-22-4-UNV-XX-1K	2'x2', 1'x4'	22	130 lm/W	2860
CLA-22-2-UNV-XX-2K	2'x2', 1'x4'	44	114 lm/W	5000
*CLA-22-2-UNV-XX-2K	2'x4'	44	114 lm/W	5000
*CLA-22-3-UNV-XX-2K	2'x4'	44	123 lm/W	5400
*CLA-22-4-UNV-XX-2K	2'x4'	44	130 lm/W	5720



*DLC Qualified model configuration

Kit Ordering:

Example: **CLA-22-3-UNV-DW-2K**

Model # Root	Watts	Electrical	LED Color Temp	Qty. of Kits per Housing
CLA	22-2 - 22W, 2 Rapid Thermafuse Strips 22-3 - 22W, 3 Rapid Thermafuse Strips 22-4 - 22W, 4 Rapid Thermafuse Strips	UNV - 120-277 VAC (On/Off)	WW - Warm White 3000K* DW - Daylight White 4000K CW - Cool White 5000K*	1K - Single Kit 2K - Doubled Kit

*Contact factory for lead time regarding: Warm White & Cool White LED Color Options

Lens/Diffuser Ordering:

Example: **CLA-NB-OP-24A**

Root	Nea Isotropic Lens	Additional Lens	Lens Size ²
CLA	NB - Nea Beam-Shaping Isotropic Lens Blank - Do NOT include Nea Isotropic Lens	OP - Opalescent Diffuser (rigid) TP - Traditional Prismatic Diffuser OF - Opalescent Film (non-rigid) (For Parabolic/Egg-Crate Conversion Only)	22A - 22 1/4" X 22 1/8" 22B - 22 3/4" X 22 3/4" 14A - 46 1/2" X 10 1/2" 14B - 47 3/4" X 11 3/4" 24A - 46 1/2" X 22 1/4" 24B - 47 3/4" X 23 3/4" XXX - CUSTOM

RATINGS



1598C
8750



BUY AMERICAN

Tested to ANSI LM-79 and LM-80 standards

¹LED Living Technology maintains a tolerance of +/- 10% on lumen output and power measurements and +/- 2 on CRI measurements.

²22A & 22B refer to standard 2'x2' Troffer Housing Dimensions. 24A and 24B refer to standard 2'x4' Troffer housing dimensions. 14A and 14B refer to standard 1'x4' housing dimensions.

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ELECTRICAL PERFORMANCE

Controllability	Input Voltage	Driver Efficiency	Operating Temp.	Protections	Frequency Range	Total Harmonic Distortion (THD)	Power Factor
On/Off	120-277 VAC	81%	-30 - +50°C	Short Circuit/Overload/Over Voltage/Withstand Voltage/Over Temp.	47 ~ 63Hz	< 15%	.99 nominal

CONTROLS

Standard: On/Off

WARRANTY

5 Year Limited Warranty



ADDITIONAL SPECIFICATIONS

Lumen Maintenance

Minimum Lumen Maintenance 97% at 10,000 hrs.
L70 at 168,000 hrs
*based on IESNA IES-LM-80-08, and In-Situ test reports relative standards UL 1598-2008.

Optics

LED Optimized Precision Diffusers - Optical components used together for user visual comfort, and optimized diffusion.

Isotropic Diffuser for Prismatic Acrylic Lens

.030" thick beam shaping lens is placed on top of existing acrylic or polycarbonate prismatic lens for glare management.

Opalescent Film for Parabolic Conversion

.010" thick, Frosted Polycarbonate Film UL94 V-0; Light Transmission 90%
*Lightweight diffuser is placed on top of existing louver for eye comfort and improved diffusion.

Mounting

Claris LED Retrofits are UL approved for installation into 1x4, 2x2, 2x4, 1x6, & 1x8 recessed troffers 6" deep or less.

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

Components of Retrofit Kit are installed in existing housing, with LED boards aligned with tombstones, and driver mounted underneath existing ballast cover plate.

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.

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.

RATINGS

RoHS
compliant



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and LM-80 standards

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