



Driving Your Vision

A division of Endicott Research Group, Inc.

Retrolume LED Retrofit Kit 2x4 LED Kits

2601 Wayne Street, Endicott, NY 13760 • www.ERGLighting.com • 1-800-215-5866



ERGL TROFFER RETROFIT KITS

- Ideal for upgrading your old 2'x4' fixtures to energy saving LEDs.
- ERGL Retrolume systems use your existing linear fluorescent fixtures.
- Quick and easy transition to energy efficient LEDs.
- Effortless installation with our magnetic strip system and dimmable LED driver.
- 100% designed and manufactured in the USA!

TYPICAL ELECTRICAL SPECIFICATIONS AT FIXTURE LEVEL

2X4 LED TROFFER RETROFIT KITS (2FT MODULES)

Kit Number	Color Temp	Fixture Replacement	No. of Modules	Total System Lumens	Total Module Power	Module Efficacy	Driver Efficiency	Input Voltage	Drive Current Per Module	Total System Drive Current
ERGL24L30D	2700K	2-tube fixture	4	2971 lm	26W	115 lm/W	87%	120-277V	225mA	900mA
ERGL24L30D	3000K	2-tube fixture	4	3045 lm	26W	117 lm/W	87%	120-277V	225mA	900mA
ERGL24L30D	3500K	2-tube fixture	4	3169 lm	26W	122 lm/W	87%	120-277V	225mA	900mA
ERGL24L30D	4000K	2-tube fixture	4	3293 lm	26W	127 lm/W	87%	120-277V	225mA	900mA
ERGL24L30D	5000K	2-tube fixture	4	3541 lm	26W	136 lm/W	87%	120-277V	225mA	900mA
ERGL24L50D	2700K	2-tube fixture	4	4565 lm	42W	109 lm/W	87%	120-277V	350mA	1400mA
ERGL24L50D	3000K	2-tube fixture	4	4705 lm	42W	112 lm/W	87%	120-277V	350mA	1400mA
ERGL24L50D	3500K	2-tube fixture	4	4938 lm	42W	118 lm/W	87%	120-277V	350mA	1400mA
ERGL24L50D	4000K	2-tube fixture	4	5171 lm	42W	123 lm/W	87%	120-277V	350mA	1400mA
ERGL24L50D	5000K	2-tube fixture	4	5637 lm	42W	135 lm/W	87%	120-277V	350mA	1400mA



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2X4 LED TROFFER RETROFIT KITS (4FT MODULES)

Kit Number	Color Temp	Fixture Replacement	No. of Modules	Total System Lumens	Total Module Power	Module Efficacy	Driver Efficiency	Input Voltage	Drive Current Per Module	Total System Drive Current
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2X4 LED TROFFER RETROFIT KITS (2-TUBE REPLACEMENT)

ERGL24L30D2	2700K	2-tube fixture	2	3633 lm	26W	140 lm/W	87%	120-277V	450 mA	900 mA
ERGL24L30D2	3000K	2-tube fixture	2	3857 lm	26W	149 lm/W	87%	120-277V	450 mA	900 mA
ERGL24L30D2	3500K	2-tube fixture	2	3919 lm	26W	151 lm/W	87%	120-277V	450 mA	900 mA
ERGL24L30D2	4000K	2-tube fixture	2	3982 lm	26W	154 lm/W	87%	120-277V	450 mA	900 mA
ERGL24L30D2	5000K	2-tube fixture	2	4106 lm	26W	158 lm/W	87%	120-277V	450 mA	900 mA
ERGL24L54D2	2700K	2-tube fixture	2	5633 lm	42W	134 lm/W	87%	120-277V	700 mA	1400 mA
ERGL24L54D2	3000K	2-tube fixture	2	5981 lm	42W	143 lm/W	87%	120-277V	700 mA	1400 mA
ERGL24L54D2	3500K	2-tube fixture	2	6019 lm	42W	144 lm/W	87%	120-277V	700 mA	1400 mA
ERGL24L54D2	4000K	2-tube fixture	2	6057 lm	42W	145 lm/W	87%	120-277V	700 mA	1400 mA
ERGL24L54D2	5000K	2-tube fixture	2	6133 lm	42W	146 lm/W	87%	120-277V	700 mA	1400 mA

2X4 LED TROFFER RETROFIT KITS (3-TUBE REPLACEMENT)

ERGL24L30D3	2700K	3-tube fixture	3	2997 lm	21W	143 lm/W	87%	120-277V	225 mA	675 mA
ERGL24L30D3	3000K	3-tube fixture	3	3182 lm	21W	152 lm/W	87%	120-277V	225 mA	675 mA
ERGL24L30D3	3500K	3-tube fixture	3	3233 lm	21W	154 lm/W	87%	120-277V	225 mA	675 mA
ERGL24L30D3	4000K	3-tube fixture	3	3285 lm	21W	156 lm/W	87%	120-277V	225 mA	675 mA
ERGL24L30D3	5000K	3-tube fixture	3	3387 lm	21W	161 lm/W	87%	120-277V	225 mA	675 mA
ERGL24L54D3	2700K	3-tube fixture	3	4647 lm	32W	145 lm/W	87%	120-277V	350 mA	1050 mA
ERGL24L54D3	3000K	3-tube fixture	3	4934 lm	32W	154 lm/W	87%	120-277V	350 mA	1050 mA
ERGL24L54D3	3500K	3-tube fixture	3	4966 lm	32W	155 lm/W	87%	120-277V	350 mA	1050 mA
ERGL24L54D3	4000K	3-tube fixture	3	4997 lm	32W	156 lm/W	87%	120-277V	350 mA	1050 mA
ERGL24L54D3	5000K	3-tube fixture	3	5060 lm	32W	158 lm/W	87%	120-277V	350 mA	1050 mA

2X4 LED TROFFER RETROFIT KITS (4-TUBE REPLACEMENT)

ERGL24L30D4	2700K	4-tube fixture	4	3508 lm	26W	135 lm/W	87%	120-277V	225 mA	900 mA
ERGL24L30D4	3000K	4-tube fixture	4	3825 lm	26W	148 lm/W	87%	120-277V	225 mA	900 mA
ERGL24L30D4	3500K	4-tube fixture	4	3871 lm	26W	149 lm/W	87%	120-277V	225 mA	900 mA
ERGL24L30D4	4000K	4-tube fixture	4	3917 lm	26W	151 lm/W	87%	120-277V	225 mA	900 mA
ERGL24L30D4	5000K	4-tube fixture	4	4009 lm	26W	155 lm/W	87%	120-277V	225 mA	900 mA
ERGL24L54D4	2700K	4-tube fixture	4	5632 lm	42W	134 lm/W	87%	120-277V	350 mA	1400 mA
ERGL24L54D4	3000K	4-tube fixture	4	5932 lm	42W	142 lm/W	87%	120-277V	350 mA	1400 mA
ERGL24L54D4	3500K	4-tube fixture	4	6003 lm	42W	143 lm/W	87%	120-277V	350 mA	1400 mA
ERGL24L54D4	4000K	4-tube fixture	4	6074 lm	42W	145 lm/W	87%	120-277V	350 mA	1400 mA
ERGL24L54D4	5000K	4-tube fixture	4	6217 lm	42W	148 lm/W	87%	120-277V	350 mA	1400 mA



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PERFORMANCE FEATURES

- Upgrade existing linear 2'x4' fixtures
- Driver Power: Up to 54 watts
- CRI: >83
- CCT: 2700K, 3000K, 3500K, 4000K, 5000K
- Made in the USA
- Input Voltage: 120-277V
- LM-80 qualified LEDs
- Warranty: 7-years
- Mounting: existing linear fluorescent fixture

ADDITIONAL TOOLS NEEDED:

- Wire snips
- Safety Goggles
- Dust cloth

Diffusers & Lenses:

Nea Beam-Shaping Isotropic Lens is packaged separately. Opalescent Film for parabolic conversion, Opalescent Lens, and Prismatic Diffusers are ordered and shipped separately.

INSTALLER NOTES:

IMPORTANT: During installation, **be careful not to touch the LEDs**, at the risk of damaging them.

- Kit components should be verified prior to mounting to ensure that placement of parts reflect correct cable lengths.
- Placement of Light Engine Sticks must be carefully determined prior to mounting, placing sticks in the middle of cells to allow maximum light output.
- A set of labels with Part Number, Order Number and Date Code are included in the packaging and must be adhered to the luminaire in compliance with UL standards once installation is complete.
- Installation requires application of the Luminaire Modification Label provided in your kit, as per UL. This label includes the statement: "This fixture has been modified and can no longer operate the originally intended lamp." This label should be applied to the mounting surface of the troffer housing during installation (see FINISH INSTALLATION).

Installation Instructions can be found at www.ERGLighting.com