

CKL - LED Strip Conversion Kits

- Convert your existing strips from fluorescent to LED with the CKL.
 - Typical strips with F96 T12s have low color rendering (60+) and short life (12000 hours)
 - Existing strips are often energy hogs with an efficacy around 50-60 lumens per watt.

- CKL LED Kits Deliver...
 - Labor saving pre-wired installation
 - High efficiency of 92-98 lumens per watt
 - High color rendering (80+)
 - TM-21 reported L70 of over 51,000 hours
 - Contoured frosted acrylic diffuser
 - Optional occupancy sensor (sold separately) for additional savings

- Why P2? It's Simple, Our Experience
 - We have seen that due to the poor lumen maintenance and low CRI inherent to F96T12 light sources, you can often do a better re-lighting job with fewer design lumens.
 - Contact the factory for photometric support to get the most out of your delivered light.

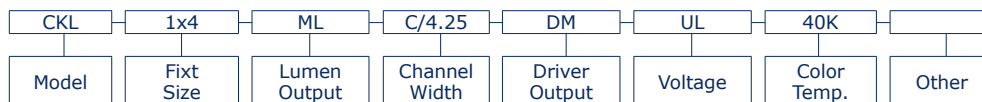
CKL - F96 or F32 Strip LED Conversion Kits



Kit Includes

- (1) 4' or 8' Single Unit Pre-Wired Kit
 - (1) LED Driver
 - (1) LED Engine
 - (1) Driver Disconnect
 - (1) Lens
 - (2) Safety Cables
 - (1) Ground Cable
- (4) Self Tapping Tech Screws

CKL - 1x4 - ML - C/4.25 - DM - UL - 40K



Fixture Series
CKL = LED Conversion Kit

Fixture Size
1x4 = 1x4 Nominal
1x8 = 1x8 Nominal

Lumen Output
XL = Extra Low Wattage, 31W
LW = Low Wattage, 51W
ML = Medium Lumen Output, 74W
HL = High Lumen Output, 96W

Channel Width
C/x.xx = Channel Width 'C' (1)

Driver Output
F = Fixed Output
DM = 0-10V Dimming (2)
BL = Bi-Level (3)

Voltage
UL = Universal 120-277

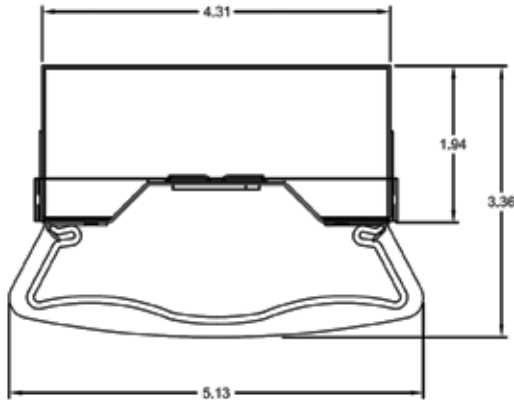
Notes
(1) Call out specific widths as follows C/8.25
(2) Must be ordered in conjunction with lighting controls. Contact factory for assistance.
(3) Bi-level driver may be controlled by occupancy sensor or A/B switching.
(4) Other accessories available. Contact factory for more information.

Color Temperature
35K = 3500K
40K = 4000K
50K = 5000K

Other (4)
LSP = Lighting Surge Protector (270 Joules)



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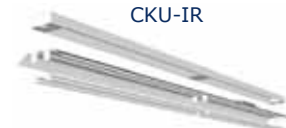
Conversion Kit Construction

- Attaches to sides of existing channel.
- Includes dual safety cables for one person installation and secure attachment to existing channel.
- Driver disconnect standard on all wired units.
- Heavy Duty .032 White Aluminum
- Made in the USA. Hudson WI, Gainesville FL, Orange County CA.

Want Fluorescent?

We have several options for retrofitting your old T12 fixtures to T8 or T5 lamps.

Check out the CKU-IR, CKU-BC, CKM-IR and CKM-BC cutsheets to learn more!



Existing System

Existing Lamp / Ballast System	Lamp Quantity & Type	Mean Lumens Per Lamp	Mean Lumens Per Fixture	Ballast Factor	Approx. Fixture Efficiency	Delivered Lumens Per Fixture	Input Watts	Net Lumens Per Watt
2L40-T12 Mag	2 F40/T12/WM	2,280	4,560	0.88	0.75	3,010	72	42
1L96-T12 Mag	1 F96/T12/ES	4,750	4,750	0.88	0.75	3,135	76	41
2L96-T12 Mag	2 F96/T12/ES	4,750	9,500	0.88	0.75	6,270	126	50
1L96-T12HO Mag	1 F96/T12HO/ES	6,950	6,950	0.95	0.75	4,952	125	40
2L96-T12HO Mag	2 F96/T12HO/ES	6,950	13,900	0.93	0.75	9,695	210	46
2L32-T8-MP Elec	2 F32T8/841	2,800	5,600	0.87	0.75	3,654	53	69
2L32T8-HP Elec	2 F32T8/841	2,800	5,600	1.15	0.75	4,830	73	66

Re-Lighting Options

Proposed System	Lamp Quantity & Type	CRI	CCT	Driver Factor	Approx. Fixture Efficiency	Delivered Lumens Per Fixture	Input Watts	Net Lumens Per Watt
CKL-1X4-XL	1 1X4 XL Engine	>80	4500K	1.00	1.00	2,900	31	94
CKL-1X4-LW	1 1X4 LW Engine	>80	4500K	1.00	1.00	5,019	51	98
CKL-1X4-ML	1 1X4 ML Engine	>80	4500K	1.00	1.00	6,872	72	95
CKL-1X4-HL	1 1X4 HL Engine	>80	4500K	1.00	1.00	8,781	95	92
CKL-1X8-XL	1 1X8 XL Engine	>80	4500K	1.00	1.00	5,800	62	94
CKL-1X8-LW	1 1X8 LW Engine	>80	4500K	1.00	1.00	10,038	102	98
CKL-1X8-ML	1 1X8 ML Engine	>80	4500K	1.00	1.00	13,744	144	95
CKL-1X8-HL	1 1X8 HL Engine	>80	4500K	1.00	1.00	17,562	190	92

General Notes

- Lamp/ballast system values shown are a general reference intended to supply a quick comparison of several common lamp/ballast systems, the associated energy consumption, and net lumen output.
- Fixture efficiencies and layout are not comprehended in the table, but will determine the usefulness of the system.
- Values shown are based on normal operating temperatures and at 277 volts.
- There are many operating variables that affect system output, in addition to rating variances from brand to brand.
- All T8 electronic ballast values shown are based on Ultra Efficient (aka 3rd Generation) T8 ballasts.
- All T5 and T8 lamp values shown are for basic grade lamps. Extended life and higher lumen lamps types are available.
- In addition to those shown there are a wide variety of systems to choose from, each with distinct features and cost points.
- Please consult the lamp/ballast manufacturer's catalogs for the detailed information required to model your system.