

## CKU-IR Pre-Wired F96 Conversion Kits

### Eliminate Costly F96 Lamps

- Short life, 12,000 hours.
- Low color rendering (60+) in typical CW/WW models.
- Energy hogs, 50-60 lumens per watt.
- Steep lumen depreciation.
- Difficult to stock 8' items, maintenance headache.

### CKU-IR Pre-Wired Units Deliver...

- Labor saving pre-wired installation.
- Flexibility to fit various channel widths.
- Modern T8 efficiency, 80-90 lumens per watt.
- High T8 color rendering (80+) with most common lamp types.
- Excellent lumen maintenance 90%+ at end of life.

### The P2 Guarantee

- Buy our CKU-IR "B" width unit in White Aluminum for 100% of your project.
- For any fixtures that the CKU-IR "B" width does not fit, we will manufacture custom conversion kits to replace them or restock them with no restocking charge.

### 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.
- A common successful retrofit is from 2-lamp cross section F96 Slimline (126 watts and 8,360 design lumens) to 1-lamp cross section F32T8 with HP ballast (73 watts and 6,440 design lumens).

### CKU-IR F96 to F32 Conversion Kits



### Kit Includes

- (1) 8' Single Unit Pre-Wired Kit
- (1) Ballast
- (4) Sockets
- (1) Ballast Disconnect
- (2) Safety Cables
- (1) Ground Cable
- (8) Self Tapping Tech Screws
- (1) P2 Guarantee
- Optional Lamps

### CKU - IR - 2L - T8 - 1x8 - A - EA - UL1 - MP - UE - IS

CKU	IR	2L	T8	1x8	A	EA	UL1	MP	UE	IS
Model	Unit Type	Lamp Qty	Lamp Type	Fixt Size	Channel Width	Hood Material	Voltage	Ballast Factor	T8 Ballast Grade	Ballast Starting

#### Fixture Series

CKU = Unitized Conversion Kit

#### Unit Type

IR = Basic Industrial Hood

#### Lamp Quantity

1L = 1 Lamps  
2L = 2 Lamps  
4L = 4 Lamps

#### Channel Width

A = Unitized Univ Width 'A' for 3.5-4.25" Channel  
B = Unitized Univ Width 'B' for 4.0-5.3875" Channel  
C/x.xx = Unitized Channel Specific Width 'C' (1)

#### Note

- (1) Call out specific widths as follows C/8.25
- (2) Ballast factors outside ranges shown to be called out numerically.
- (3) Numeral indicates number ballasts per fixture.

#### Lamp Type

T8 = Linear T8 Lamps

#### Fixture Size

1X8 = 1x8 Nominal  
1X4 = 1x4 Nominal

#### Unitized Body/Reflective Material

UWA = Unitized .032 White Aluminum  
EA = Enhanced Aluminum  
Specular Liner 93-94%

#### Voltage (3)

UL1 = Universal 120-277

#### Ballast Factor (2)

LP = Low Power (.75 - .78)  
MP = Mid Power (.85 - .88)  
MN = Neutral Power (.97 - 1.04)  
HP = High Power (1.15 - 1.20)

#### T8 Ballast Grade

ST = Standard Grade  
UE = Ultra Efficient T8

#### Ballast Starting Method

PS = Rapid/Programmed Start  
IS = Instant Start

## CKU-IR Pre-Wired F96 Conversion Kits

Before: F96T12/ES = 123 Watts  
12,000 Hours, 70% Lumen Maint  
60+CRI



After: F32T8/LP = 96 Watts  
30,000 Hours, 90% Lumen Maint  
80+CRI



Wired CKU Assembly



### Fixture Construction

- A, B and C width units provide flexibility to accommodate multiple existing channel widths.
- Attaches to existing socket brackets.
- Includes dual safety cables for one person installation and secure attachment to existing channel.
- Ballast disconnect standard on all wired units.
- Heavy Duty .032 White Aluminum
- Made in the USA: Hudson WI, Gainesville FL, Orange County CA.

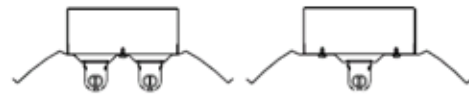
2-Lamp Cross-X

1-Lamp Cross-X

A) Fits 3.5–4.25"  
Shown on 4.0"  
Existing Channel



B) Fits 4.0–5.3875"  
Shown on 5.25"  
Existing Channel



C) Engineered to  
Order up to 12"  
Shown on 12.0"  
Existing Channel



### Existing System

Existing Lamp / Ballast System	Lamp Quantity & Type	Mean Lumens Per Lamp	Mean Lumens Per Fixture	Ballast Factor	Net Lumens Per Fixture	Input Watts	Net Lumens Per Watt
1L96-T12 Mag	1 F96/T12/ES	4,750	4,750	0.88	4,180	76	55
2L96-T12 Mag	2 F96/T12/ES	4,750	9,500	0.88	8,360	126	66
1L96-T12HO Mag	1 F96/T12HO/ES	6,950	6,950	0.95	6,603	125	53
2L96-T12HO Mag	2 F96/T12HO/ES	6,950	13,900	0.93	12,927	210	62

### Re-Lighting Options

Proposed Lamp / Ballast System	Lamp Quantity & Type	Mean Lumens Per Lamp	Mean Lumens Per Fixture	Ballast Factor	Net Lumens Per Fixture	Input Watts	Net Lumens Per Watt
2L32-T8-LP Elec	2 F32T8/841	2,800	5,600	0.77	4,312	48	90
4L32-T8-LP Elec	4 F32T8/841	2,800	11,200	0.77	8,624	96	90
2L32-T8-MP Elec	2 F32T8/841	2,800	5,600	0.87	4,872	53	92
4L32-T8-MP Elec	4 F32T8/841	2,800	11,200	0.87	9,744	107	91
2L32-T8-MN Elec	2 F32T8/841	2,800	5,600	1.04	5,824	64	91
2L32T8-HP Elec	2 F32T8/841	2,800	5,600	1.15	6,440	73	88
4L32T8-HP Elec	4 F32T8/841	2,800	11,200	1.15	12,880	147	88
2L54-T5-HO Elec	2 F54/T5HO/841	4,600	9,200	1.00	9,200	117	79
2L54-T5-HO Elec	4 F54/T5HO/841	4,600	18,400	1.00	18,400	234	79

### 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 (25c T8 and 35c T5) 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.