

## CKM-IR Multi-Piece 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.

### CKM-IR Multi Piece Kits Deliver..

- Low cost components.
- Adjustable to most 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.

### Cost Saving Options

- Consider our CKU series pre-wired conversion kits for substantial installation labor savings, flexible fit, and the P2 guarantee.
- Read on under "Why P2?" for a significant specification savings opportunity.

### Why P2? It's Simple, Our Experience

- Under the correct circumstances we can build custom 8' conversions for less than 1/2 the material cost of unitized or multi-piece conversions. How?
- When you have minimum 500, preferably 1,000 or more, identical fixtures, we will duplicate the existing brackets allowing you to re-use the existing pans. The material cost savings provide exceptional value to your customer and a competitive advantage to you.

### CKM-IR F96 to F32 Conversion Kits



### CKM - IR - 2L - T8 - 1x8 - UW - EA - S8M - UL1 - MP - UE - IS

|       |           |          |           |           |               |               |             |         |                |                  |                  |
|-------|-----------|----------|-----------|-----------|---------------|---------------|-------------|---------|----------------|------------------|------------------|
| CKM   | IR        | 2L       | T8        | 1x8       | UW            | EA            | S8M         | UL1     | MP             | UE               | IS               |
| Model | Unit Type | Lamp Qty | Lamp Type | Fixt Size | Channel Width | Hood Material | Socket Type | Voltage | Ballast Factor | T8 Ballast Grade | Ballast Starting |

#### Standard Callouts

##### Fixture Series

CKM = Multi Piece Kit

##### Unit Type

IR = Basic Industrial Hood

##### Lamp Quantity

1L = 1 Lamps

2L = 2 Lamps

4L = 4 Lamps

##### Lamp Type

T8 = Linear T8 Lamps

#### Standard Callouts

##### Fixture Size

1X8 = 1x8 Nominal

1X4 = 1x4 Nominal

##### Channel Width (1)

UW = Universal Width Adjustable Brackets

C/x.xx = Unitized Channel Specific Width

##### Industrial Hood Material

WA = .020 White Aluminum

EA = .016 Enhanced Aluminum

##### Socket Type

S8M = Shunted for IS T8, Med Socket

N8M = Non-Shunted for

RS T8, Med Socket

#### Ballast Options

##### 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

#### Note

(1) Call out specific widths as follows C/8.25

(2) Ballast factors outside ranges shown to be called out numerically.

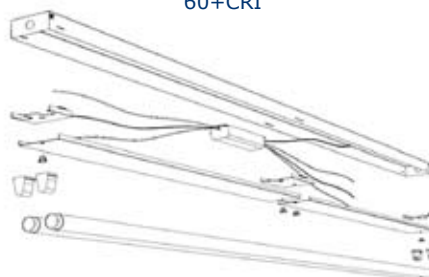
(3) Numeral indicates number ballasts per fixture.

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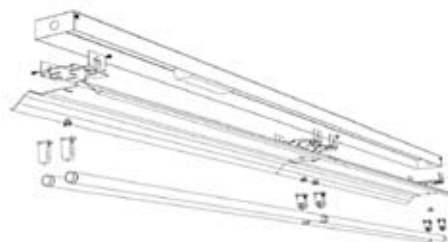
### Kit Includes

- (2) End Brackets
- (1) Center Bracket
- (4) Sockets
- (2) Ballast Pans
- (4) Quarter Turns
- (6) Self Tapping Tech Screws
- Optional Ballast, Disconnect, and Lamps

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



### 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                  |

### 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.