PRECISION PARAGON
EFFICIENCY, ECONOMY, SUSTAINABILITY.

www.P-2.com

(714) 386-5550 CA
(715) 381-2971 WI
(352) 692-5900 FL

CKM-BC 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-BC 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.

CKM-BC F96 to F32 Conversion Kits

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 ½ 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 – BC – 2L – T8 – 1x8 – UW – WA – S8M – UL1 – MP – UE – IS

CKM	BC	2L	T8	1x8	UW	WA	S8M	UL1	MP	UE	IS
Model	Unit Type	Lamp Qty	Lamp Type	Fixt Size	Channel Width	Ballast Cover	Socket Type	Voltage	Ballast Factor	T8 Ballast Grade	Ballast Starting

Standard Callouts

Fixture Series
CKM = Multi Piece Kit

Unit Type
BC = Basic Ballast Cover

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

Ballast Cover Material
WA = .020 White 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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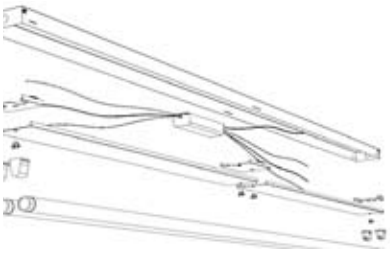
CKM-BC Multi-Piece F96 Conversion Kits

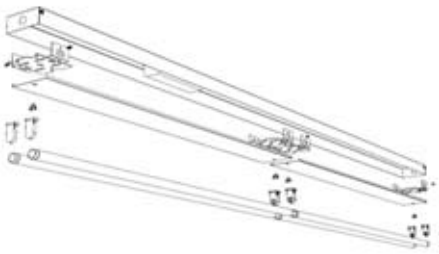
Kit Includes

- (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.