PRECISION PARAGON
EFFICIENCY, ECONOMY, SUSTAINABILITY.

www.P-2.com

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

TKS – Indirect T8 Conversion Kit

Facility owners want Indirect, Louvered, or Architectural full distribution options to modernize their Troffers.

- Many existing Troffers lack sufficient internal clearance to accommodate both the conversion kit and a full length T8 lamp.
- Prior to the TKS, such obstructed fixtures required conversion kits which utilize the 46" T5 lamp or complete new T8 fixtures to accomplish the conversion to indirect.

The TKS provides an attractive, low cost, indirect T8 conversion by bringing the luminaire below the grid.

- This delivers the aesthetic upgrade and energy efficiency that facility owners seek, and allows the relighting professional the flexibility to address virtually any existing luminaire which resides in a 24" x 48" grid.

Convert instead of replacing fixtures on your re-lighting project;

- Lower cost…
- Reduced labor…
- No landfill of old fixture body.
- Order with step-dim ballast and GTS for instant Hi-Lo Controls.

TKS – Indirect surface mount conversions convert virtually any 2x4 grid troffer.

Why P2? It's Simple, Our Experience

- We think outside the box. When faced with a dimensional challenge P2 innovated to create an indirect surface mount style kit that gives customers what they want.

TKS – 2x4 – 2L – T8 – UL1 – PMB – MP – UE – IS

TKS	2x4	2L	T8	UL1	PMB	MP	UE	IS	
Model	Fixt Size	Lamp Quantity	Lamp Type	Voltage	Basket Type	Ballast Factor	T8 Ballast Grade	Ballast Starting	Other

Fixture Series
TKI = Direct/Indirect Conversion Kit

Fixture Size
2X4 = 2x4 Nominal
2x2 = 2x2 Nominal (1)

Lamp Quantity
3L = 3 Lamps
2L = 2 Lamps
1L = 1 Lamp

Lamp Type
T8 = Linear T8 Lamps

Voltage
UL1 = Universal 120-277

Basket Type
PMB = Perforated Metal Basket
SMB = Slotted Metal Basket

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

Other
GTS = Hi-Lo Control Single Circuit Toggle Switch (3)

Numeric Footnote
(1) Contact factory for ordering assistance.
(2) Ballast factors outside ranges shown to be called out numerically.
(3) Can only be used in conjunction with a step dim ballast or 2 standard ballasts

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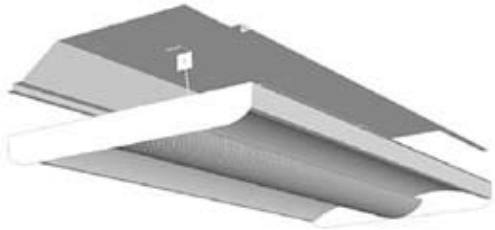
TKS – Indirect T8 Conversion Kit

Conversion Example

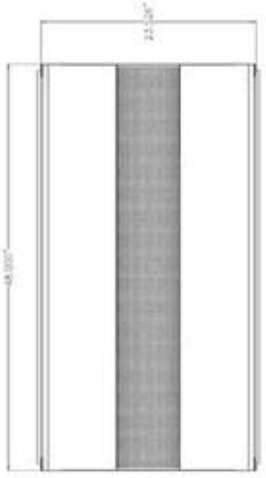
Before:
Shallow Prismatic or Deep Cell Troffer
3L or 4L40 T12,
115 - 144 WattsPrismatic Lens

After: 2L32 T8, 53 Watts
Surface Indirect



Kit Includes

- (1) Pre-Wired Fixture Liner
- (1) Perforated or Slotted Basket
- (1) Opal Acrylic Overlay
- (2) 14" Safety Cables
- (2) End Plates
- (2) Mounting Brackets
- (2) Ball Chain Caps
- (2) Ball Chain Pins
- (2) 12" Ball Chain
- (4) T8 Sockets
- (4) Self Tapping Tech Screws
- (1) Electronic Ballast
- (1) Ballast Disconnect
- (1) Installation Instructions
- T8 Lamps Optional



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
3L40-T12 Mag	3	F40/T12/WM	2,280	6,840	0.88	6,019	115	52
3L32-T8-MP Elec	3	F32T8/741	2,660	7,980	0.87	6,943	80	87
4L32-T8-MP Elec	4	F32T8/841	2,800	11,200	0.87	9,744	107	91
4L40-T12 Mag	4	F40/T12/WM	2,280	9,120	0.88	8,026	144	56

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
3L32-T8-LP Elec	3	F32T8/841	2,800	8,400	0.77	6,468	72	90
2L32-T8-MP Elec	2	F32T8/841	2,800	5,600	0.87	4,872	53	92
3L32-T8-MP Elec	3	F32T8/841	2,800	8,400	0.87	7,308	80	91
2L32T8-HP Elec	2	F32T8/841	2,800	5,600	1.15	6,440	73	88
3L32T8-HP Elec	3	F32T8/841	2,800	8,400	1.15	9,660	109	89

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 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.