PRECISION PARAGON
EFFICIENCY, ECONOMY, SUSTAINABILITY.

www.P-2.com

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

TKI – Indirect T5 Conversion Kit

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

- Conversion kits of this type generally require the depth of an existing deep cell parabolic fixture.
- This leaves few aesthetic upgrade options for shallow prismatic Troffers.

The TKI is designed to fit into Shallow Grid Troffers as well Deep Cell Parabolic Troffers.

- This delivers the aesthetic upgrade and energy efficiency that facility owners seek, and allows the relighting professional to address the enormous existing inventory of shallow grid Troffers.

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

- Lower cost…
- Reduced labor…
- No landfill of old fixture body.
- Order with 2 ballasts and GTS for instant Hi-Lo Controls.

TKI – Indirect Conversion for Shallow Grid Troffers

Why P2? It's Simple, Our Experience

- Is your project mixed with deep cell parabolic and shallow prismatic Troffers? Don't worry; our adjustable brackets will fit fixtures of varying depths eliminating the need for multiple kit types.

TKI – 2x4 – 2L – T5 – UL1 – PMB – MN – IS

TKI	2x4	2L	T5	UL1	PMP	MN	IS		
Model	Fixt Size	Lamp Quantity	Lamp Type	Voltage	Basket Type	Ballast Factor	Ballast Starting	Other	Other

Fixture Series
TKI = Direct/Indirect Conversion Kit

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

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

Lamp Type
T5 = Linear T5 Lamps
T5H0 = Linear T5HO Lamps

Voltage
UL1 = Universal 120-277
UH1 = Universal 347-480

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

Ballast Factor (2) & (3)
MN = Neutral Power (.97 - 1.04)
HP = High Power (1.15 - 1.20)

Ballast Starting Method (4)
PS = Rapid/Programmed Start
IS = Instant Start

Other
GTS = Hi-Lo Control Single Circuit Toggle Switch (5)

Numeric Footnote
(1) Contact factory for ordering assistance.
(2) Ballast factors outside ranges shown to be called out numerically.
(3) T5HO utlizes neutral power (MN) only.
(4) T5HO uses Rapid/Programmed ballasts only.
(5) Can only be used in conjunction with 2 ballasts.

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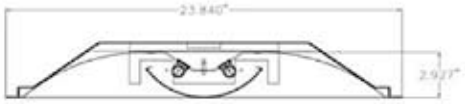
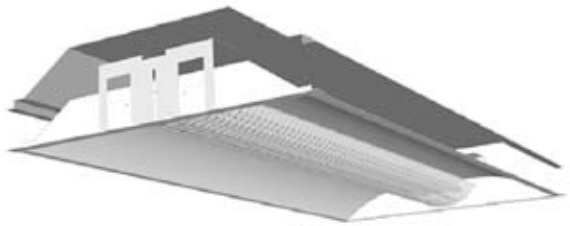
TKI – Indirect T5 Conversion Kit

Conversion Example

Before: Shallow Grid Troffer
3 or 4L40 T12, 115 - 144 Watts
Prismatic Lens

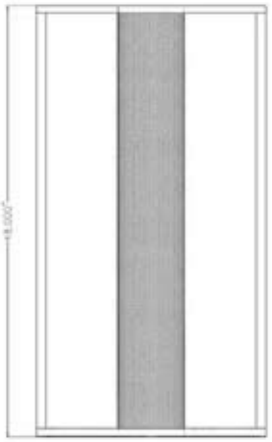
After: 2L28 T5, 63 Watts
Direct/Indirect





Kit Includes

- (1) Pre-Wired Fixture Liner
- (1) Perforated or Slotted Basket
- (1) Opal Acrylic Overlay
- (2) 14" Safety Cables
- (2) Adjustable Socket Bars
- (4) T5 Sockets
- (6) Self Tapping Tech Screws
- (1) Electronic Ballast
- (1) Ballast Disconnect
- (1) Installation Instructions
- T5 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-LP Elec	3	F32T8/741	2,660	7,980	0.77	6,145	72	85
3L32-T8-MP Elec	3	F32T8/741	2,660	7,980	0.87	6,943	80	87
4L40-T12 Mag	4	F40/T12/WM	2,280	9,120	0.88	8,026	144	56
4L32-T8-LP Elec	4	F32T8/741	2,660	10,640	0.77	8,193	96	85
4L32-T8-MP Elec	4	F32T8/741	2,660	10,640	0.87	9,257	107	87

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
1L28-T5 Elec	1	F28T5/841	2,418	2,418	1.00	2,418	32	76
2L28-T5 Elec	2	F28T5/841	2,418	4,836	1.00	4,836	63	77
1L54-T5-HO Elec	1	F54/T5HO/841	4,600	4,600	1.03	4,738	62	76
2L54-T5-HO Elec	2	F54/T5HO/841	4,600	9,200	1.00	9,200	117	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 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.