

# T8LED™ TROFFER CONVERSION KIT



## White-LED Troffer Upgrade Kit

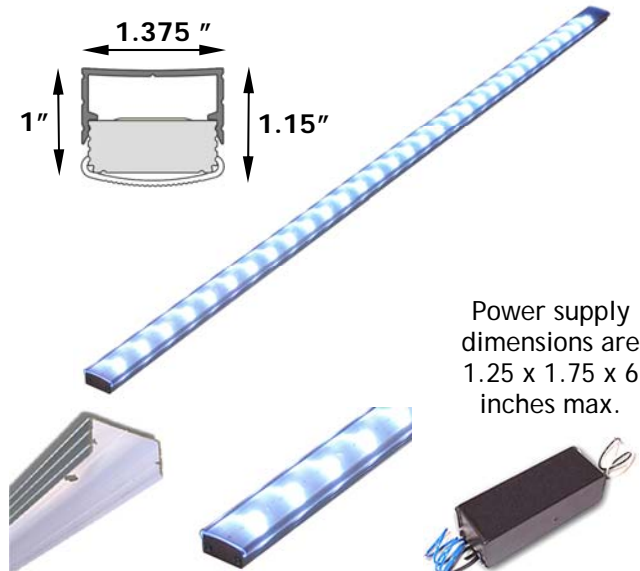
Albeo's T8LED Troffer Conversion Kit changes fluorescent light fixtures into no-maintenance, high-efficiency LED fixtures. Albeo's patent-pending TEMPR™ Technology allows the LEDs to run cooler than fluorescent and last 50% longer with greater light output compared to competing LED bi-pin solutions. The kit provides an ideal solution for gradual transition to LED in office, commercial, industrial, and retail environments as part of existing fluorescent maintenance programs.

**Robust and Innovative Construction**  
TEMPR™ thermal management technology transfers heat from the LED to the extruded aluminum housing, reducing the junction temperature for more light and longer life.

**Optical Advantage**  
Directional LEDs put more light where it's needed, greatly increasing efficiency.

**Best-in-Class LEDs**  
Brightest and highest efficacy LEDs come in a wide range of colors for almost any application.

**Options**  
High value or brightness versions provide solutions for cost or light output priorities, both with energy saving performance.



Power supply dimensions are 1.25 x 1.75 x 6 inches max.

### Electrical System

120 to 277 universal input DC power supply.

### Kit Components

Albeo's T8LED Conversion Kit consists of mounting brackets, LED bars, a power supply, and power cords. The mounting brackets provide a thermal path from the LEDs; the power supply replaces the ballast.

### Warranty

The Albeo T8LED Conversion Kit is guaranteed for five years with proper installation, subject to Albeo's standard terms and conditions.

## Ordering Information

Not all combinations available.

Product Platform	Model	# of LED bars	Length	LED CCT	LED Pitch	Input Voltage	Optics	Mounting	Options	Revision
<b>RK</b>	<b>V</b>	<b>2</b>	<b>K</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>B</b>	<b>0</b>	<b>Rx</b>
<b>RK</b> LED Fluorescent Replacement Kit	<b>V</b> High Value  <b>B</b> High Brightness	<b>2</b> 2 bars <b>3</b> 3 bars	<b>D</b> 19" <b>E</b> 23" <b>K</b> 46"	<b>4</b> 5000°K <b>5</b> 4200°K <b>6</b> 3500°K	<b>0</b> 1 inch (bright) <b>1</b> 1.5 inch (value) <b>3</b> 3 inch (value)	<b>U</b> 110 to 277 V Universal	<b>0</b> Lens <b>1</b> No Lens <b>D</b> Diffuser	<b>B</b> Aluminum Thermal Mounting Bracket	<b>0</b> None	<b>Used to further define product configuration</b>

For more options or custom configurations, please contact sales.

rev. 7.16.09



Industrial Strength LED Lighting

1. 866. 825. 5420

www.albeotech.com

# T8LED™ TROFFER CONVERSION KIT

## White-LED Troffer Upgrade Kit

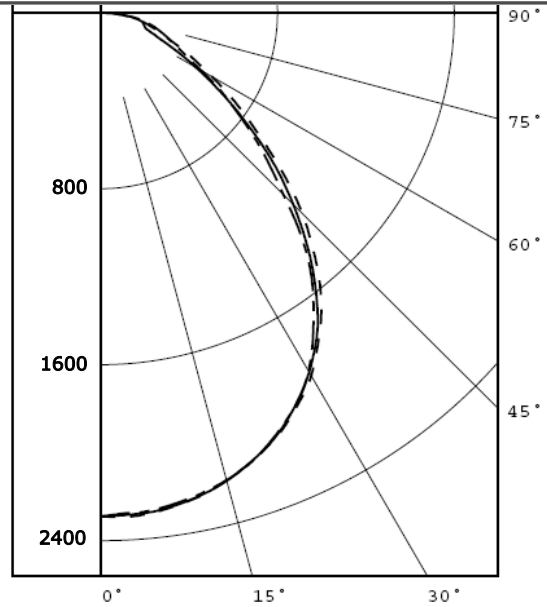
### Optical and Electrical Specifications

All options not listed. Please contact sales for technical specs of other part numbers.

Existing Fixture	Size	Retrofit Part Number	Color	Temp	# of bars	Total LEDs	Total Lumens	Watts
2 lamp	2 x 2	RK-V2D4-111B0-R1B	Daylight	5000 K	2	24	2050	29
	2 x 2	RK-V2D5-111B0-R1B	Cool	4200 K	2	24	1840	29
	2 x 2	RK-V2D6-111B0-R1B	Warm	3500 K	2	24	1620	29
	2 x 4	RK-V2K4-311B0-R2B	Daylight	5000 K	2	30	2565	37
	2 x 4	RK-V2K5-311B0-R2B	Cool	4200 K	2	30	2300	37
	2 x 4	RK-V2K6-311B0-R2B	Warm	3500 K	2	30	2025	37
3 lamp	2 x 2	RK-V3D4-111B0-R0B	Daylight	5000 K	3	36	2600	36
	2 x 2	RK-V3D5-111B0-R0B	Cool	4200 K	3	36	2350	36
	2 x 2	RK-V3D6-111B0-R0B	Warm	3500 K	3	36	2065	36
	2 x 4	RK-V3K4-311B0-R2B	Daylight	5000 K	3	45	3850	55
	2 x 4	RK-V3K5-311B0-R2B	Cool	4200 K	3	45	3445	55
	2 x 4	RK-V3K6-311B0-R2B	Warm	3500 K	3	45	3040	55
4 lamp	2 x 2	RK-V3D4-111B0-R1B	Daylight	5000 K	3	36	3080	44
	2 x 2	RK-V3D5-111B0-R1B	Cool	4200 K	3	36	2750	44
	2 x 2	RK-V3D6-111B0-R1B	Warm	3500 K	3	36	2430	44
	2 x 4	RK-V2K4-111B0-R1B	Daylight	5000 K	2	60	5130	74
	2 x 4	RK-V2K5-111B0-R1B	Cool	4200 K	2	60	4600	74
	2 x 4	RK-V2K6-111B0-R1B	Warm	3500 K	2	60	4050	74

### Photometry

Candela Distribution				
Vertical Angle	Horizontal Angle			Zonal Lumens
	0	45	90	
0	2271	2271	2271	
5	2271	2265	2258	216
15	2182	2185	2182	617
25	2014	2006	2004	927
35	1720	1700	1666	1060
45	1281	1222	1160	946
55	778	713	713	660
65	422	321	390	371
75	229	200	251	230
85	83	89	95	98
90	0	0	0	5128



Results based on RK-V2K4-111B0-R1B assembled into a 2' x 4' troffer.

The T8LED Conversion Kit must be installed by a qualified electrician. It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate the Conversion Kit in such a manner as to comply with all state and local laws, ordinances, regulations, and the American National Standards Institute Safety Code. See installation guide for mounting instructions.

US Patents Pending

Specification subject to change without notice. See website for latest version.

