

# LINEAR LED KITS

## 2x2 AND 2x4 INDOOR TROFFERS

# FUTURE FIT

LED KITS

### DESCRIPTION

UL 1598C Classified LED retrofit kit. Includes the following components:

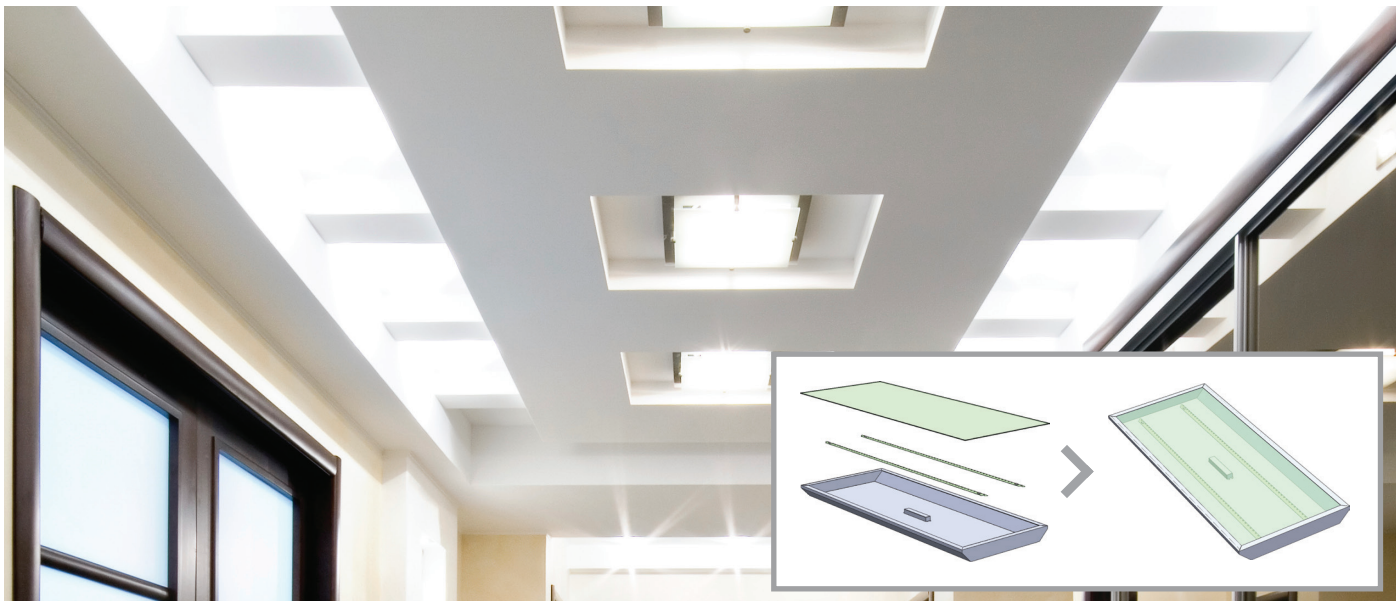
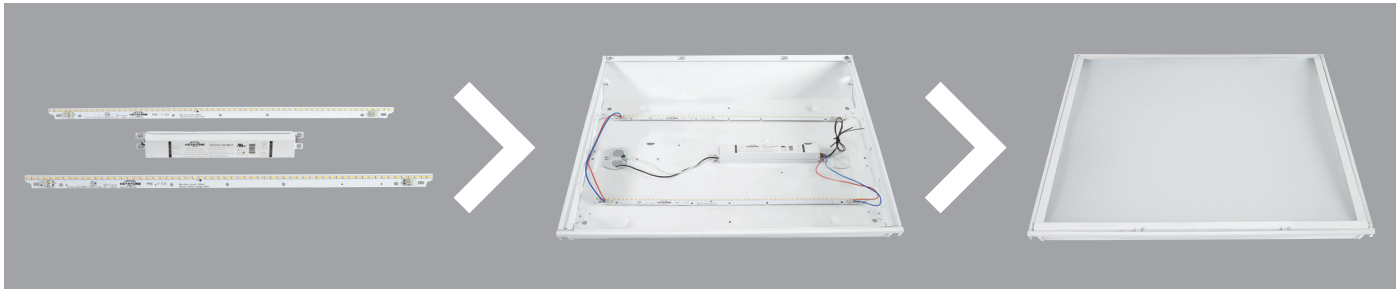
- (1) LED Driver • (2) LED Modules • Mounting Accessories (Jumper Wires, Tek Screws with Rubber Grommets, Power Quick-Disconnect)



### APPLICATION

Upgrade indoor troffer fluorescent-style luminaires to an LED solution. Suitable for after-market or OEM installation. (OEM must have UL LED Luminaire General Coverage file.)

### TYPICAL FIXTURE APPLICATION



### SYSTEM FEATURES

#### Module Features

- For Use in Class 2 Lighting Systems
- Highly Reflective White Soldermask
- Low Profile WAGO Push Connectors
- UL Recognized Components
- Single-Sided CEM3 Substrate
- 3-Step MacAdam Color Binning
- LM80 Tested LEDs by Samsung
- Beam Angle: 120°
- Reported Life Expectancy: L70 > 36,000 hours at Tc <85°C
- Calculated Life Expectancy: L70 = 93,000 hours at Tc <85°C
- Maximum Board Temperature at Tc Point: 85°C

#### Driver Features

- 120-277V Input, High Power Factor, 0-10V Dimming
- UL 8750 Recognized Component LED Power Unit
- Meets FCC Part 15 Class B (Consumer) Limit for EMI
- Over Current, Short Circuit, and Open Circuit Protection
- Class 2 Output
- Type 1 Outdoor, Suitable for Dry and Damp Locations
- Up to 194°F/90°C Maximum Case Temperature
- THO: <20%

Specifications subject to change. Last revised on 2.23.18

# LINEAR LED KITS

## 2x2 AND 2x4 INDOOR TROFFERS

### PERFORMANCE SPECIFICATIONS

#### 2x4, 4000 LUMEN LINEAR

Dimming Type: 0-10V

**KIT CONTENTS:**

Driver: (1) KTLD-40-UV-1100-VDIM-L9

Module: (2) KTLM-1080-L6-8xx-81B

Mounting Hardware and Accessories

| Color Temp | Input Voltage | LED Retrofit Kit Catalog Number | No. of Modules | Total System Drive Current | Drive Current per Module | Total System Lumens | Total Module Power | Module Efficacy | Driver Efficiency | Total System Power | Total System Efficacy |
|------------|---------------|---------------------------------|----------------|----------------------------|--------------------------|---------------------|--------------------|-----------------|-------------------|--------------------|-----------------------|
| 3500K      | 120-277V      | KT-RKIT-24-4000-835-VDIM        | 2              | 1100mA                     | 550mA                    | 3820                | 30W                | 127 lm/W        | 82%               | 36.5W              | 105 lm/W              |
| 4000K      | 120-277V      | KT-RKIT-24-4000-840-VDIM        | 2              | 1100mA                     | 550mA                    | 3860                | 30W                | 129 lm/W        | 82%               | 36.5W              | 106 lm/W              |
| 5000K      | 120-277V      | KT-RKIT-24-4000-850-VDIM        | 2              | 1100mA                     | 550mA                    | 4000                | 30W                | 133 lm/W        | 82%               | 36.5W              | 110 lm/W              |

#### 2x4, 5000 LUMEN LINEAR

Dimming Type: 0-10V

**KIT CONTENTS:**

Driver: (1) KTLD-40-UV-1100-VDIM-L9

Module: (2) KTLM-1080-L6-8xx-99B

Mounting Hardware and Accessories

| Color Temp | Input Voltage | LED Retrofit Kit Catalog Number | No. of Modules | Total System Drive Current | Drive Current per Module | Total System Lumens | Total Module Power | Module Efficacy | Driver Efficiency | Total System Power | Total System Efficacy |
|------------|---------------|---------------------------------|----------------|----------------------------|--------------------------|---------------------|--------------------|-----------------|-------------------|--------------------|-----------------------|
| 3500K      | 120-277V      | KT-RKIT-24-5000-835-VDIM        | 2              | 1100mA                     | 550mA                    | 4680                | 36W                | 130 lm/W        | 82%               | 44W                | 106 lm/W              |
| 4000K      | 120-277V      | KT-RKIT-24-5000-840-VDIM        | 2              | 1100mA                     | 550mA                    | 4800                | 36W                | 133 lm/W        | 82%               | 44W                | 109 lm/W              |
| 5000K      | 120-277V      | KT-RKIT-24-5000-850-VDIM        | 2              | 1100mA                     | 550mA                    | 5000                | 36W                | 139 lm/W        | 82%               | 44W                | 114 lm/W              |

#### 2x2, 4000 LUMEN LINEAR

Dimming Type: 0-10V

**KIT CONTENTS:**

Driver: (1) KTLD-40-UV-1100-VDIM-L9

Module: (2) KTLM-1080-L2-8xx-81B

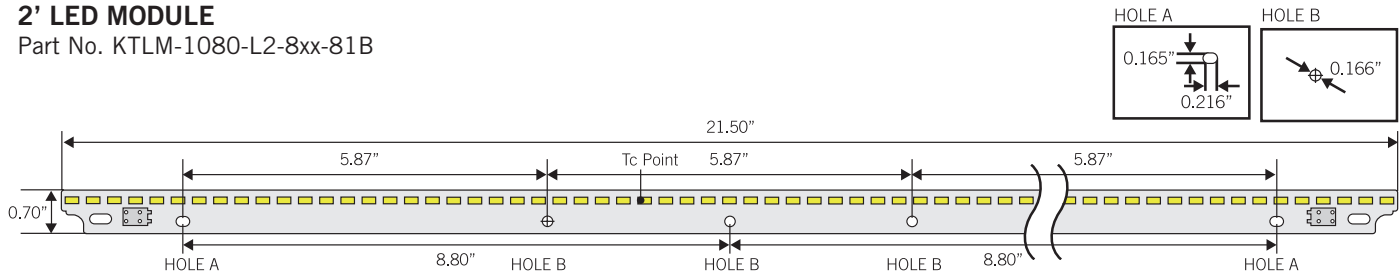
Mounting Hardware and Accessories

| Color Temp | Input Voltage | LED Retrofit Kit Catalog Number | No. of Modules | Total System Drive Current | Drive Current per Module | Total System Lumens | Total Module Power | Module Efficacy | Driver Efficiency | Total System Power | Total System Efficacy |
|------------|---------------|---------------------------------|----------------|----------------------------|--------------------------|---------------------|--------------------|-----------------|-------------------|--------------------|-----------------------|
| 3500K      | 120-277V      | KT-RKIT-22-4000-835-VDIM        | 2              | 1100mA                     | 550mA                    | 3820                | 30W                | 127 lm/W        | 82%               | 36.5W              | 105 lm/W              |
| 4000K      | 120-277V      | KT-RKIT-22-4000-840-VDIM        | 2              | 1100mA                     | 550mA                    | 3860                | 30W                | 129 lm/W        | 82%               | 36.5W              | 106 lm/W              |
| 5000K      | 120-277V      | KT-RKIT-22-4000-850-VDIM        | 2              | 1100mA                     | 550mA                    | 4000                | 30W                | 133 lm/W        | 82%               | 36.5W              | 110 lm/W              |

### PHYSICAL SPECIFICATIONS

#### 2' LED MODULE

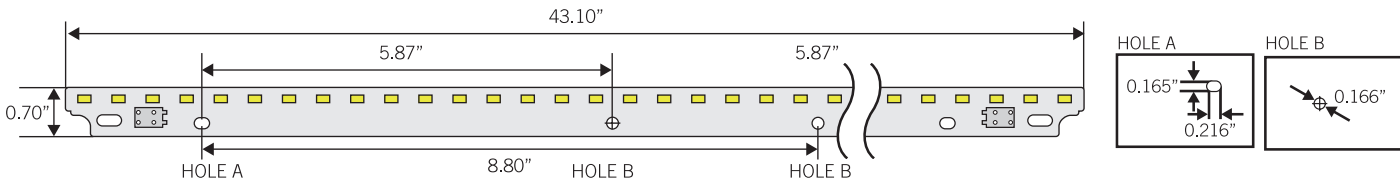
Part No. KTLM-1080-L2-8xx-81B



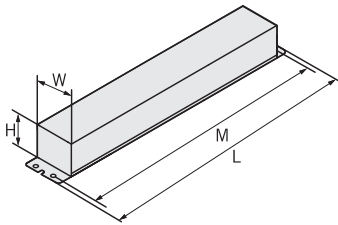
#### 4' LED MODULES

Part No. KTLM-1080-L6-8xx-81B and Part No. KTLM-1080-L6-8xx-99B

Note: LEDs on modules below are to show placement only.



#### LED DRIVER



|          |       |
|----------|-------|
| LENGTH   | 9.57" |
| WIDTH    | 1.13" |
| HEIGHT   | 1.07" |
| MOUNTING | 8.90" |

### ORDERING INFORMATION

| Order Code                  | Packaging Style       | Package Quantity | Item Status |
|-----------------------------|-----------------------|------------------|-------------|
| KT-RKIT-24-4000-8xx-VDIM-BP | Bulk Packaged         | 20               | Quick Ship  |
| KT-RKIT-24-4000-8xx-VDIM-IP | Individually Packaged | 1                | Quick Ship  |
| KT-RKIT-24-5000-8xx-VDIM-BP | Bulk Packaged         | 20               | Quick Ship  |
| KT-RKIT-24-5000-8xx-VDIM-IP | Individually Packaged | 1                | Quick Ship  |
| KT-RKIT-22-4000-8xx-VDIM-BP | Bulk Packaged         | 20               | Quick Ship  |
| KT-RKIT-22-4000-8xx-VDIM-IP | Individually Packaged | 1                | Quick Ship  |

### CATALOG NUMBER BREAKDOWN

## KT-RKIT-24-4000-840-VDIM

**1** **2** **3** **4** **5** **6** **7**

**1** Keystone Technologies

**2** Retrofit Kit

**3** Nominal Size: 24 = 2'x 4' Troffer; 22 = 2'x 2' Troffer

**4** Nominal Lumens

**5** CRI: 8 = 800 Series

**6** CCT: 35 = 3500K, 40 = 4000K; 50 = 5000K

**7** Dimming Type: VDIM = 0-10V Dimming

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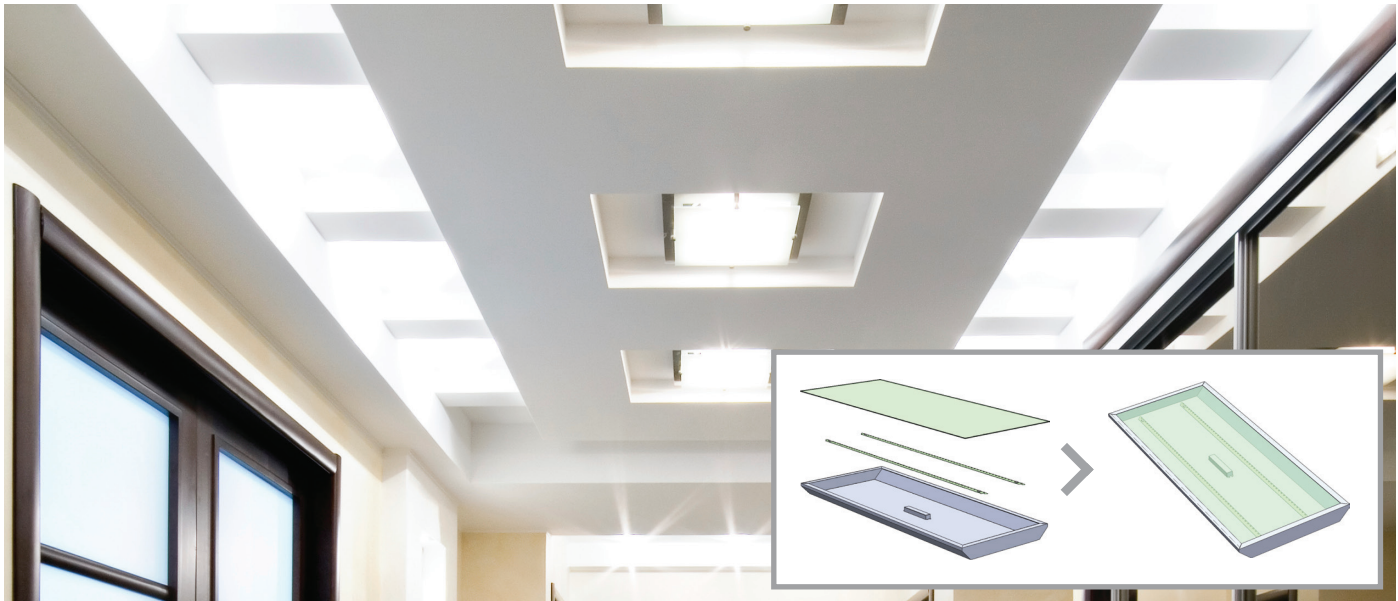
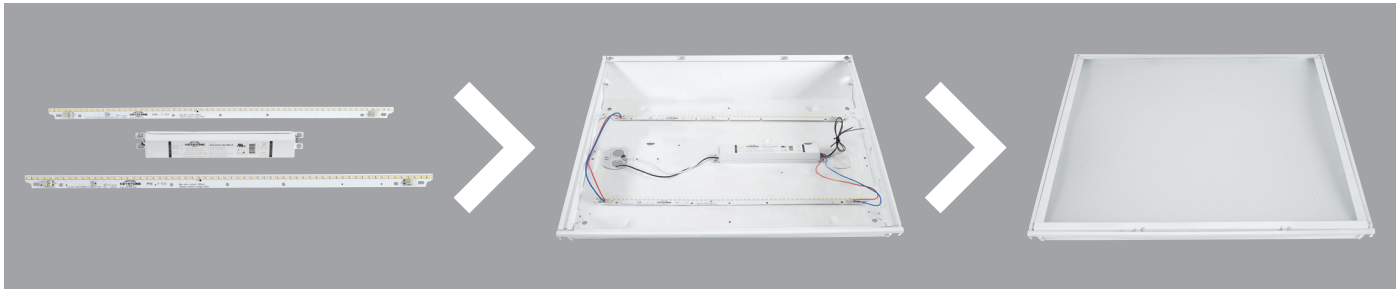
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Module: (2) KTLM-1080-L6-8xx-81B

Mounting Hardware and Accessories

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|------------|---------------|---------------------------------|----------------|----------------------------|--------------------------|---------------------|--------------------|-----------------|-------------------|--------------------|-----------------------|
| 3500K      | 120-277V      | KT-RKIT-24-4000-835-VDIM        | 2              | 1100mA                     | 550mA                    | 3820                | 30W                | 127 lm/W        | 82%               | 36.5W              | 105 lm/W              |
| 4000K      | 120-277V      | KT-RKIT-24-4000-840-VDIM        | 2              | 1100mA                     | 550mA                    | 3860                | 30W                | 129 lm/W        | 82%               | 36.5W              | 106 lm/W              |
| 5000K      | 120-277V      | KT-RKIT-24-4000-850-VDIM        | 2              | 1100mA                     | 550mA                    | 4000                | 30W                | 133 lm/W        | 82%               | 36.5W              | 110 lm/W              |

#### 2x4, 5000 LUMEN LINEAR

Dimming Type: 0-10V

**KIT CONTENTS:**

Driver: (1) KTLD-40-UV-1100-VDIM-L9

Module: (2) KTLM-1080-L6-8xx-99B

Mounting Hardware and Accessories

| Color Temp | Input Voltage | LED Retrofit Kit Catalog Number | No. of Modules | Total System Drive Current | Drive Current per Module | Total System Lumens | Total Module Power | Module Efficacy | Driver Efficiency | Total System Power | Total System Efficacy |
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#### 2x2, 4000 LUMEN LINEAR

Dimming Type: 0-10V

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Driver: (1) KTLD-40-UV-1100-VDIM-L9

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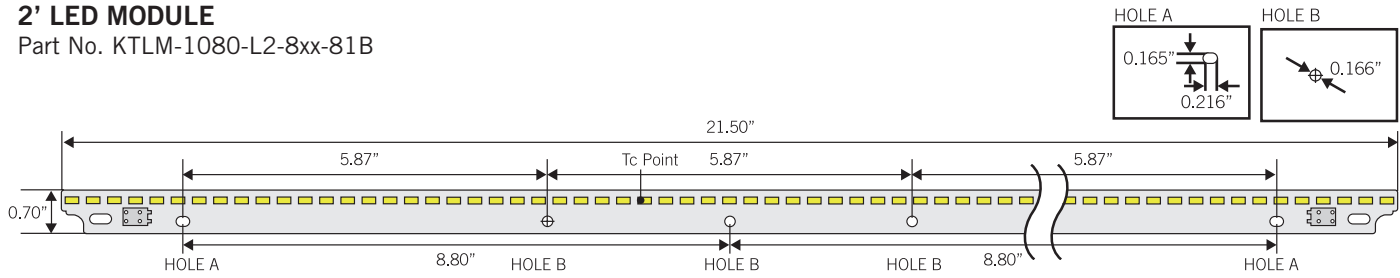
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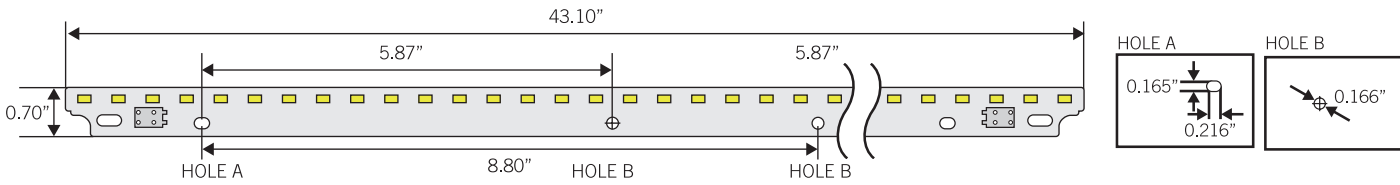
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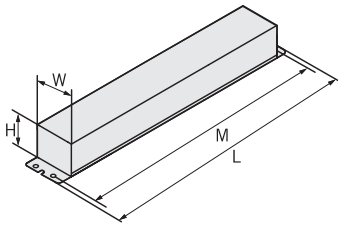
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| KT-RKIT-24-5000-8xx-VDIM-BP | Bulk Packaged         | 20               | Quick Ship  |
| KT-RKIT-24-5000-8xx-VDIM-IP | Individually Packaged | 1                | Quick Ship  |
| KT-RKIT-22-4000-8xx-VDIM-BP | Bulk Packaged         | 20               | Quick Ship  |
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