For over 40 years, Tapelight products by Tokistar® have provided accent lighting effects in hotels, casinos, residences and many other applications. These versatile products feature low-profile flexible cables, enabling our Tapelight to fit in small niches and conform to any shape. Full dimming of LEDs and incandescent lamps gives you complete lighting control.

Various light sources, including highly efficient LEDs, create a wide range of dramatic lighting effects. LEDs and incandescent lamps operate from low-voltage power supplies and both light sources are easily replaceable. The result is a safe and energy-efficient lighting system, looking perfect every day of the year.

Polycarbonate Sockets are soldered and bonded to cables.

Several LED Choices for greatest efficiency.

Parallel Wiring so Tapelight may be cut to size on site.

Flexible Conductor easily conforms to any shape.

Silicone Caps provide all-environment protection.

Light Sources are easily replaced.

Several LED Choices for greatest efficiency.

Flexible Conductor easily conforms to any shape.
TokiLeds®

TokiLeds are the most durable and energy efficient of all our light sources. Their unique phosphor-colored lens reflects light in all directions, resulting in full-range viewing.

White TokiLeds do an outstanding job of emulating true incandescent light. Our selection includes a variety of color temperatures and brightness levels.

<table>
<thead>
<tr>
<th>Color Temperature</th>
<th>LED Color</th>
<th>Watts/Volts</th>
<th>Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>2400K Warm White</td>
<td>3000K White</td>
<td>6500K White</td>
<td></td>
</tr>
<tr>
<td>3000K White</td>
<td>6500K White</td>
<td>2400K White</td>
<td></td>
</tr>
<tr>
<td>6500K White</td>
<td>3000K White</td>
<td>2400K White</td>
<td></td>
</tr>
</tbody>
</table>

Each LED operates independently for cross-fading effects.

Kinetic TokiLeds include a microchip to create self-actuated flashing or cross-fading effects. Each LED operates independently for a totally random appearance. Kinetic TokiLeds do not require a controller, adding to the system's cost efficiency and reliability. They may also be mixed with static LEDs on the same fixture.

For twinkling effects, the cycle is 0.5 Hz. For faster scintillating effects, the cycle is 4 Hz.

Flashing

For twinkling effects, the cycle is 0.5 Hz. For faster scintillating effects, the cycle is 4 Hz.

Fading

Cross-Fading LEDs smoothly ramp up to full brightness, and gradually fade to off.

Kinetic TokiLeds

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Effect</th>
<th>Color</th>
<th>Watts/Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>KLED-FF</td>
<td>Fast Flash / 4 Hz</td>
<td>3000K White</td>
<td>0.2 W / 8 VDC</td>
</tr>
<tr>
<td>KLED-SF</td>
<td>Slow Flash / 0.5 Hz</td>
<td>3000K White</td>
<td>0.2 W / 8 VDC</td>
</tr>
<tr>
<td>KLED-CF</td>
<td>Cross-Fade</td>
<td>3000K White</td>
<td>0.2 W / 8 VDC</td>
</tr>
</tbody>
</table>

P4 LEDs

P4 Series LEDs do a remarkable job of indirect lighting by focusing a more concentrated amount of light on the reflective surface. For interior applications of indirect lighting, our P4 LEDs are both energy efficient and cost effective.

By combining different colors of LEDs on the same fixture, a wide range of blended colors can be created.

Incandescent Lamps

Traditional incandescent lamps are still a popular choice for many applications. These long-life lamps are available in a choice of brightness levels, and are easily replaceable.

For outdoor applications, our “a” series lamps with protective flange provide all-weather protection.

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**TOKISTAR LIGHTING**

4/5
TLP Series

TLP Series has set an industry standard for interior accent lighting since its introduction. Lamp sockets are soldered and bonded to highly flexible PVC cables for long-term reliability, and fixtures can be trimmed on site for a precise fit.

In exposed applications, TLP Tapelight highlights architectural features and subtle accents on reflective surfaces.

How to Specify

After selecting the most suitable light source for the application, refer to one of these charts with TokiLeds, P4 LEDs, or Incandescent Lamps.

The next step is to select the appropriate socket spacing. For indirect applications, closer spacing provides the most uniform wash of light. Intermediate and wider socket spacing is the best choice for accenting objects with distinct points of light.

Specifications

- **Light Sources** include incandescent lamps and LEDs
- **Polycarbonate Sockets** with flammability rating UL 94V-0
- **Flexible Conductors** are plated copper and rated 6.5 amps
- **Sockets** are soldered and ultrasonically bonded to cable
- **Insulation** is flexible PVC with flammability rating UL 94 HB

Sizes and Lengths

- **TLP - 80 - WW**
- **TLP - 80 - P4IW**
- **TLP - 80 - 101**

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Note: In accordance with Class 2 requirements, incandescent fixtures must not exceed 96 Watts.
LS Series Tapelight is the ideal choice for exterior applications and projects with heavier loads. UV-stabilized cables with larger conductors extend operating life and minimize voltage drop. These features offer many benefits in large-scale perimeter lighting and indirect drop. Next, decide on cable color and the suitable socket spacing. For indirect applications, closer socket spacing provides a more uniform wash of light. When accenting with distinct points of light, wider socket spacing is the best choice. For perimeter lighting on buildings viewed from greater distances, 6” or 12” spacing are the most popular selections. Specifications include incandescent lamps and LEDs. Polycarbonate Sockets with flammability rating UL 94V-0. Silicone Caps provide protection in all environments. Sockets are soldered and ultrasonically bonded to cable. Flexible Braided Conductors are plated copper and rated 12 amps. Insulation is UV-stabilized flexible PVC with flammability rating UL 94 HB. TokiLeds are available in clear and brown. Lamps as the light source, and refer to the appropriate chart. Light Sources include incandescent lamps and LEDs. Polycarbonate Sockets with flammability rating UL 94V-0. Silicone Caps provide protection in all environments. Sockets are soldered and ultrasonically bonded to cable. Flexible Braided Conductors are plated copper and rated 12 amps. Insulation is UV-stabilized flexible PVC with flammability rating UL 94 HB. TokiLeds are available in clear and brown. Light Sources include incandescent lamps and LEDs. Polycarbonate Sockets with flammability rating UL 94V-0. Silicone Caps provide protection in all environments. Sockets are soldered and ultrasonically bonded to cable. Flexible Braided Conductors are plated copper and rated 12 amps. Insulation is UV-stabilized flexible PVC with flammability rating UL 94 HB. TokiLeds are available in clear and brown. Lamps as the light source, and refer to the appropriate chart. How to Specify
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**TLW Series**

Nothing adds interest to an environment like an eye-catching display of colorful and animated lighting.

TLW Series provides four-channel chasing effects with LEDs or BB-301 Bi-Bulb® incandescent lamps. With the introduction of TokiLeds, lighting designers now have even more choices in creating such stunning effects.

Tokiistar’s TLW Series uses three wires instead of five to achieve a perfectly linear placement of light sources.

**Specifications**

- **Light Sources** include incandescent lamps and LEDs
- **Polycarbonate Sockets** with flammability rating UL 94V-0
- **Flexible Conductors** are plated copper and rated 5 amps
- **Sockets** are soldered and ultrasonically bonded to cable
- **Insulation** is flexible PVC with flammability rating UL 94 HB

**How to Specify**

Select TokiLeds or our incandescent Bi-Bulb as the light source. Any combination of colored LEDs can be mixed on the same fixture.

When selecting socket spacing, consider that not all lamps are illuminated at the same time. In a light-chase mode, every 4th lamp is on. In a shadow-chase mode, three out of every four lamps are on.

TLW Series Tapelight requires the use of our TC-400BB Bi-Bulb® Controller. Each controller features a variety of patterns and speed control. These units can operate independently of each other, or they may be linked together to sequence all lights in unison. The TC-400BB may accept a 24 VAC input for controlling our BB-301 incandescent lamps, or a 12 VAC input for controlling TokiLeds.

Dimensions: 1-1/2” x 4-3/4” x 6-1/8”

**Capacity for Class 2 Operation:**

BB-301 0.8 Watt/24VAC Lamps: 120 pieces - Total 96 Watts
TokiLeds 0.15 Watt/12VAC LEDs: 400 pieces - Total 60 Watts
TokiLeds 0.30 Watt/12VAC LEDs: 200 pieces - Total 60 Watts

**Capacity for Non-Class 2 Operation:**

BB-301 0.8 Watt/24VAC Lamps: 400 pieces - Total 320 Watts
TokiLeds 0.15 Watt/12VAC LEDs: 960 pieces - Total 144 Watts
TokiLeds 0.30 Watt/12VAC LEDs: 480 pieces - Total 144 Watts

**Sizes and Lengths**

To minimize voltage drop and keep conductors safely within their rating, do not exceed the maximum lengths shown for each independent length of Tapelight.

**Lighting Controller / TC-400BB**

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**Note:** In accordance with Class 2 requirements, incandescent fixtures must not exceed 96 Watts.
Accessories

Mounting Devices
Tokistar offers a wide variety of mounting devices. The proper selection is determined by the surface Tapelight is attached to. In addition to the devices shown, construction adhesives capable of adhering well to PVC may be used.

Bracket and Staples
Brackets and staples provide secure mounting. The proper quantity and positioning is determined by the specifics of each application. When turning corners, a device should be used at the start of each bend.

Adhesive Tape
Adhesive tapes work best on smooth surfaces. The WFT-32 roll is for use with TLP and TLW Series Tapelight. The WFL-108 and WFL-20 rolls are exterior-grade adhesive tapes for use with LS Series Tapelight.

Mounting Track
The RC-S is a semi-rigid polycarbonate track which can be securely mounted in place with screws to any surface. This provides a smooth surface to apply adhesive tapes on, and ensures perfect linear integrity.

Panel Fastener
The SH-02 metal fasteners are used to securely lock sockets in place for panel mounting. Tapelight sockets are pushed through the hole in the panel from behind, and the fastener is pressed in place from above.

Cord Protectors and End Caps
Cord Protectors are required to insulate the lead wire soldered to the beginning of each Tapelight, and End Caps are attached to the end.

Decorative Channels
Decorative Channels provide added appeal in high-visibility applications. Tapelight is installed to the base with adhesive tape and the clear cover snapped in place. These channels may be used with all TokiLeds, TB-101 and BB-301 incandescent lamps.

Silicone Caps
Silicone caps provide protection to LS Series Tapelight for exterior use. When incandescent lamps are used in harsh environments, the WP-101C and WP-105C caps provide an additional measure of protection.
LED Drivers

LD8-40
Tokistar’s LD8-40 is a 40 Watt Class 2 LED Driver used to convert an AC input into an 8 VDC output. It may be operated from a wide range of input voltages. The enclosure is suitable for wet locations.

Specifications
- Input Range: 100-240 VAC
- Frequency Range: 50/60 Hz
- Output: 8 VDC (Adjustable +5% / -30%)
- Max. Output Current: 1.5A
- Max. Output Power: 40W
- Protection: Overload, Overcurrent, Short Circuit
- Operating Temperature: -30ºC to +60ºC

LED Dimmers

LC Dimming System
This proprietary Dimming System provides full-range dimming of Tapelight LEDs. The system components connect with CAT’s cable. Up to 25 dimmer packs may be connected in series if the total length of all CAT’s cable does not exceed 165 feet from the wall dimmer to the last dimmer pack. CAT’s cables are included with units.

Part #: LC-DMR
The remote wall dimmer has a rotary dial and on/off switch. Power to the wall dimmer is provided from the LED Driver powering the first Dimmer Pack.

Part #: LC-1CH-DP
Each dimmer pack receives an 8VDC input from an LED Driver and sends a 0-8VDC output to the fixture. Logic input and output is communicated through CAT’s cable. Dimensions: 1-1/2” x 3-1/2” x 4/116”

DMX Dimming System
Tokistar’s LC-I-CH-MULTI Dimmer Pack is compatible with industry standard dimmers working on DMX or 0/1-10 VDC protocol. In the manual mode, a preset light level can be set without the use of an external dimmer. In the DMX mode, the dimmer pack is addressable.

Part #: LC-I-CH-MULTI
Max. Load: 40Watts @ 8 VDC
- Environmental Rating: Dry Location/IP20
- Dimensions: 3/4” x 1-3/4” x 3-1/2”
- Weight: 0.25 lbs
- Listing: ETL Listed/Ce Certified
- Operating Temperature: 0ºC to +50ºC

Transformers

Class 2 Transformers
In some areas, local codes may require Tapelight be operated from Class 2 Transformers with inherent secondary circuit protection.

Primary input is 120VAC/60 Hz. Transformers with multiple outputs are enclosed within a Rainproof Type 3R Enclosure.

Non-Class 2 Transformers
Tokistar’s T12 and T24 Series Transformers come in a wide range of sizes from 100 to 1,200 Watts. Primary input is 120VAC/60 Hz, and secondary outputs have inherent circuit protection. These transformers are enclosed within a Rainproof Type 3R Enclosure.

Consult factory for transformers with input voltages not shown.

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- Environmental Rating: Dry Location/IP20
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- Operating Temperature: 0ºC to +50ºC

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