



► FEATURES AND BENEFITS
T5 LIGHTING
ADVANTAGE..... 1



► SPECIFICATIONS
ADVANTAGES
APPLICATIONS..... 2
CUT SHEETS 3



► INSTALLATION
LAMP REPLACEMENT
PARTS AND SERVICE.. 4

T5 lighting TLC series

TECHNICAL SPECIFICATONS
INSTRUCTION SHEET
AND USER GUIDE

Lightweight and easy to install, linkable TLC series commodity fixtures are the perfect solution for your cost driven application .

Features and Benefits

Ballasts:

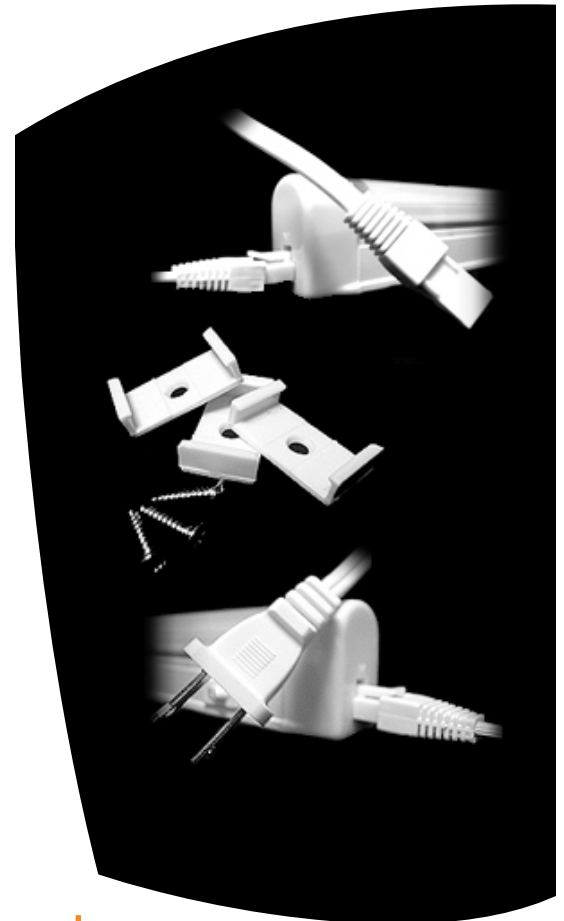
- Designed by TechniLite System to match each lamp, our electronic ballasts are integral to each fixture.
- Available for indoor use.
- Available in 120v.
- End of life shutdown.
- No extra wiring required!

Fixtures:

- Made from aluminum extrusion.
- Available in white.
- Linkable daisy chaining connectivity.
- Designed to TechniLite System's high standards.
- Available in 8w, 13w, 21w and 28w.
- Includes lamp, power cord, connection cord, lens and mounting clips.

Lamps:

- Energy efficient thin fluorescent lighting with the highest lumen output per watt of any fluorescent lamp.
- T5 lamps provide better maintained light output compared to other fluorescent lamps.
- 5/8" diameter T5 lamp is available from all North American manufacturers providing fast and easy replacement.
- Long lamp life with starts as low as -15 degrees C.
- Having a high CRI, lamps are available in 841 cool white colour.



The T5 Lighting Advantage

T5 fluorescent lamps are thinner, more efficient and offer a higher intensity of light output than T8 or T12 lamps and the narrower profile means that the lamps provide designers with better optical control and better energy efficiency. In addition, the lamps are designed to provide maximum light output at an ambient temperature of 95° F rather than the 77° F design point for most other lamps. Those characteristics allow the use of the lamps in more compact fixtures and signs than would otherwise be possible. T5s are often applied in low-profile signs and low-profile light fixtures, such as those used for cove lighting and illuminating display cases. Indirect and indirect/direct fixtures also often feature T5 lamps—the thinness and high intensity of the lamps enable designers to place fixtures farther apart

than is possible with T8 lamps, as well as allowing for thinner signs. T5 lamps offer better lumen-maintenance performance than T8 lamps. The T5 lamps retain about 95 percent of their output after 40 percent of their rated life, compared with less than 90 percent for T8 lamps. The smaller size is an advantage at the end of lamp life as well, since T5s contain less mercury and less glass than T8 lamps.



- ▶ SPECIFICATIONS
- ▶ ADVANTAGES
- ▶ APPLICATIONS

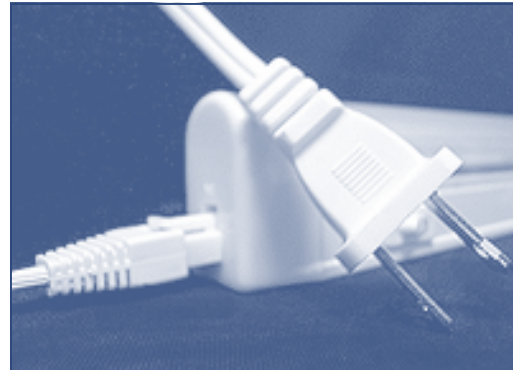
Specifications TLC series

SPECIFICATIONS

| | |
|--------------------------|------------------------------------------------------------------------------------------------|
| Fixture Type | T5 – Straight – Avg. nominal lengths (inches) 13, 22, 36, 47 for both standard and high output |
| Number of Lamps | 1 lamp |
| Line Voltage | 120V |
| Power Factor | Normal |
| Sound Rating | < Class A noise level |
| Starting Temperature | meets lamp rating |
| High Frequency Operation | > 25 KHz |
| Input Frequency | 60 Hz |
| Transient Protection | yes |
| End of Life Protection | yes |
| EMI filter / | |
| RFI Noise Suppression | yes |
| Thermal Protection | Designed in circuit |

APPLICATIONS

- under cabinet lighting
- ceiling lighting—valance lighting
- cash wraps
- trade shows and exhibits
- commercial spaces
- wall wash
- display lighting



ADVANTAGES

- Electronic technology
- Chip controlled circuit
- End of lamp life circuit protection
- UL and cUL listed
- 100% of ballasts tested for acceptable parameter range / input amps/ lamp amps and frequency and 10 starts
- Ballast life 100,000 hours
- 1 year ballast warranty (entire fixture replaced)
- Cool run, long life, electronic ballast and T5 lamps save you up to 30% over conventional fluorescent, lowering your maintenance costs
- Daisy chain linking
- Variety of sizes ranging from 13"- 4' saving you space and money
- Ease of installation, saving you time and money
- Peace of mind, our 1.800.730.5853 toll free help and info line provides instant site to manufacturer help, saving you time and money



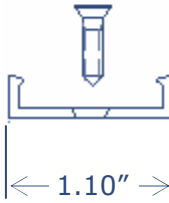
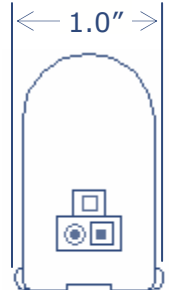
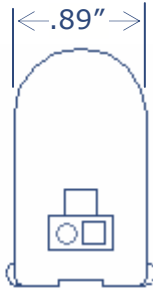
- ▶ CUT SHEET
- WATTAGES
- HERTZ
- AMPS

Specifications

TLC series

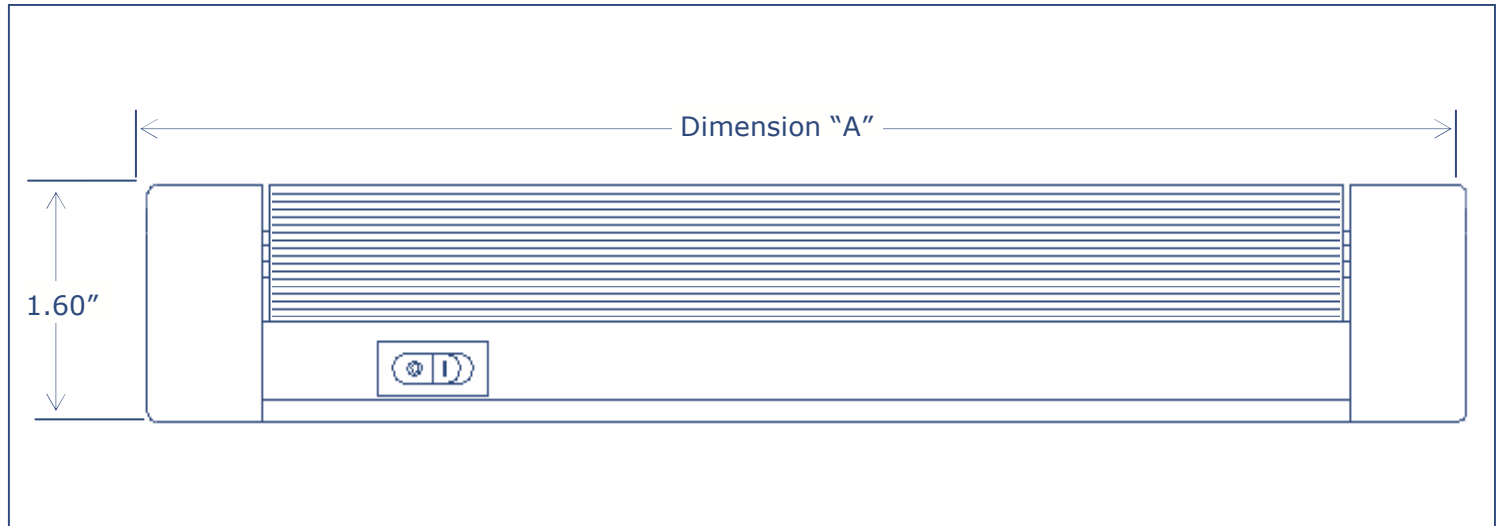
CUT SHEET

| Wattage | amps | (hertz 60 Hz) length |
|---------|------|--------------------------|
| 8w | 0.15 | 13" |
| 13w | 0.23 | 22" |
| 21w | 0.34 | 35.125" |
| 28w | 0.47 | 46.875" |



| Wattage | Dimension "A" |
|---------|---------------|
| 8w | 13" |
| 13w | 22' |
| 21w | 35.125" |
| 28w | 46.875" |

EACH POWER CONNECTION
REQUIRES 1 1/2" ADDER





Use and Care TLC series

INSTALLATION

Tools required: measuring tape, pencil, level, electric drill with 1/8" bit & counter sink, #1 Phillips screwdriver

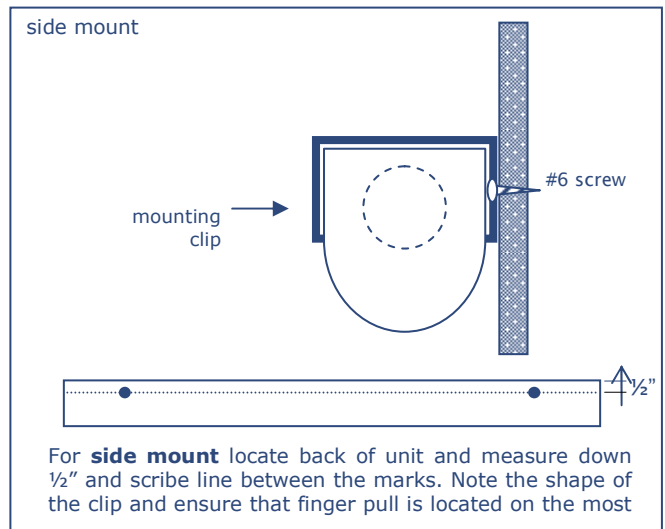
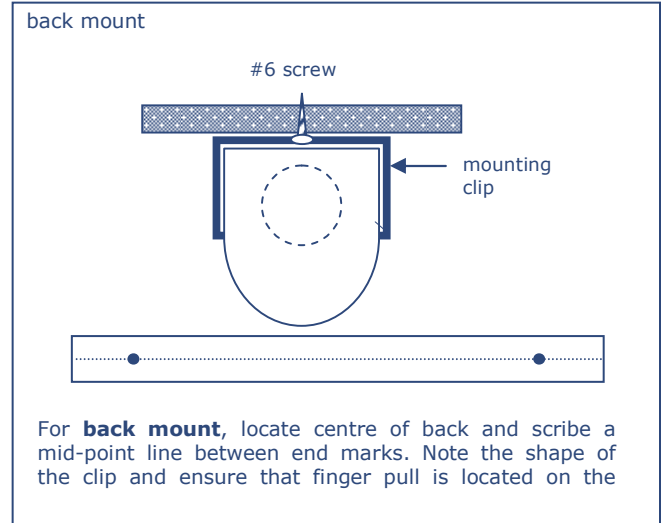
note: If you are installing into plaster or drywall then you will need a 3/16" drill bit and minimum 2 rawl plugs for #6 wood screws.

1. Locate and mark ends of desired location on wall or ceiling.
2. Install the mounting clips by using a #6 screw 1" to 6" from each end marked on the scribed line. Note: If surface is hardwood or metal you will need to pre-drill with 1/8" drill bit and counter-sink to allow room for underside of flathead screw.
3. Make sure power is turned off.
4. Remove lens by squeezing and pulling from one end to the other end. Remove lamp by rotating 90°.
5. Attach power / fixture cords.
6. Insert fixture into spring clips bottom first. (you will hear the snap action as the springs grab the fixture)
Note: Be sure to place the fixture in line with end marks, and location of power in and switch.
7. Replace lamp by rotating 90°. To replace lens, place lens flush against one end of fixture. Begin applying pressure at one end and continue applying pressure horizontally along fixtures until lens is snapped in completely.
8. Plug cord into wall receptacle.
9. Turn power on.
10. To remove fixture simply unsnap the spring clip with your finger or screwdriver, and pull out.

PARTS AND SERVICE

We pride ourselves in our commitment to quality and reliability in all of our products, and all our TechniLite fixtures are warranted to be free of defect in workmanship.

Ballasts are not designed to be replaceable, replacement of whole fixture is required. Replacement lamps are readily available and can be ordered directly from TechniLite Systems by calling 1.800.730.5853.



LAMP REPLACEMENT

Ensure power is off, and then remove lamp by rotating it 90°, unlocking it from the fixture. Replace lamp with same wattage, and lock into place by rotating the lamp 90°.