

# SILESCENT® S100LP2

## Light

SUPER EFFICIENT, SOLID STATE LIGHTING

## Line Voltage Phase Control



### About

Use the S100LP2 Line Voltage LED down light in commercial/office, industrial, residential, institutional and government applications where down lighting of any type is required. Its' high lumen output is suited in/for ceiling applications where you would normally use/specify 5", 6" or even 8" down lights. Use to replace existing inefficient fixtures having an outer diameter up to 10 inches. The S100LP2 is available in 5 lamp temperatures from warm white (2700K) to cool white (5000K). Combined with multiple lensing options allows the designer/specifier to get just the right volume and color of light exactly where they need it. Used 12 hours per day the S100LP2 has an approximate lifetime of 22+ years. Multiple patents secured.

### Features & Benefits

- High efficacy - Low power consumption with high lumen output
- Ease of installation – Reduces labor & wiring costs
- Significantly lower ongoing MRO costs – eliminates replacing lamps and ballasts for years
- Phase Control dimmable – Compatible with most phase control dimming dim switches
- Serial number control – assures (should a failure happen) a replacement light can be matched to existing installed lights.
- Long 100,000 hour lamp life (w/ only 30% lumen degradation over lifetime)
- Ultra low plenum – Fixture height is just ¾"
- Safer - Instant on/off – no warm-up time, even in cold weather
- Manufactured in USA, exceeds NAFTA domestic product requirements with >80% domestic content
- Green is not just a word at Silescent, we live and breathe it:
- All fixtures are manufactured with up to with up to 80% recycled content and RoHS compliant
- Contain no mercury
- Give off no UV or IR radiation
- Designed to have the smallest environmental footprint – Ship 5 S100LP2's to one CFL down light
- Shipped in 100% recycled packaging
- Robust thermal management – Protects luminaire for both sustained and lifetime performance - reduces heat impact on HVAC
- Advanced Intelligent Driver (AID) – is designed as an integral component and protects both led and driver from failure
- Virtually unlimited aesthetic options – combine thermal rings and lens types to get the look and feel you need
- Hi CRI meets Energy Star Criteria for luminaries

### Applications (New Construction or Remodel)

Banks, Schools, Auditoriums, Universities, Retail Stores, Awning / Eves & Canopies, Building Entrances, Hospitality, Hallways, Lobbies, Condos, Co-Ops and Apartment Complexes, Offices, Conference Rooms, Restaurants, Museums, Elevators, Soffits & Eves, Cruise Ships, General Marine, Wall Washing and Grazing as well Low Plenum, and High Ceiling Applications.



Suitable for covered ceiling mount only.

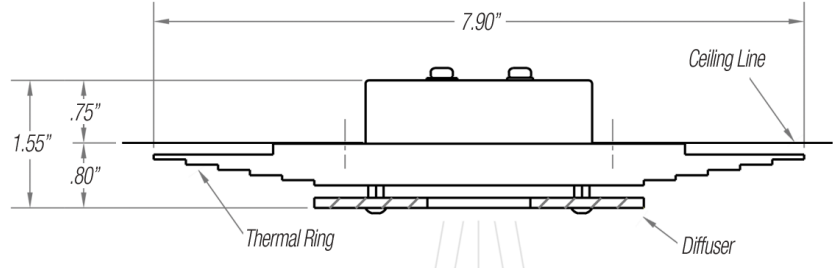
**Silescent® S100 LP2 Performance**

**CCT & Relative Performance**

CCT	27K (2700K)	30K (3000K)	35K (3500K)	40K (4000K)	50K (5000K)
<b>WATTAGE</b>	15	15	15	15	15
<b>LUMENS</b>	650	675	700	750	900
<b>EFFICACY</b>	43	45	47	50	60
<b>(COLOR RENDERING INDEX: 80 CRI)</b>					
<b>POWER FACTOR ALL KELVINS: 0.91</b>					

**S100 LP2 - Ultra Low Profile Light and Fixture**

Figure 1 (Drawing Not to Scale)



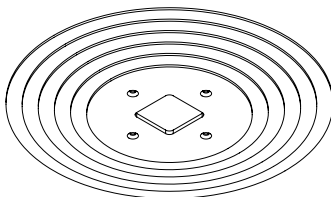
**Thermal Ring Styles**

The Silescent® S100 LP2 Lights have optional thermal rings to present aesthetic choices in both shapes and finishes. Allowing the same efficient benefits throughout your project with a different look where

desired. Additionally, with the illustrated versions shown here you can order custom shapes and finishes as well. Contact your lighting distributor for details.

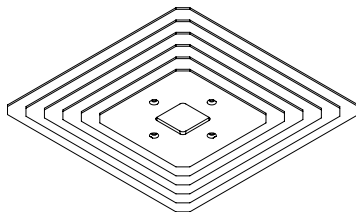
**Round - 8 Inch**

Style Code "S01" - Modular  
Style Code "N01" - Integrated



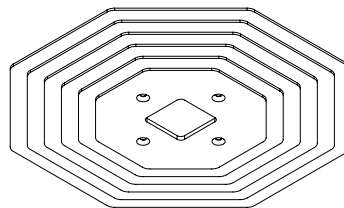
**Square - 8 Inch**

Style Code "S02" - Modular  
Style Code "N02" - Integrated



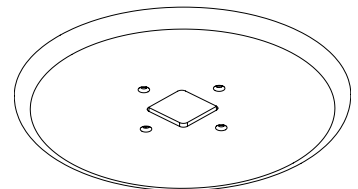
**Octagonal - 8 Inch**

Style Code "S03" - Modular  
Style Code "N03" - Integrated



**Dish - 8 Inch**

Style Code "S04" - Modular  
Style Code "N04" - Integrated



**Finish Options**

Style Code "C01" - Powder Coat, White (Standard Finish); "C02" - Powder Coat, Beige (Special Order Optional Finish); "Cxx" Other colors available by Special Order.  
Style Code "Pxx" Plated, Options include: Bright Polished Gold, Bright Polished Silver, Anodized Matte Gold or Silver

**Electrical Information**

Operating temperature: -40°C to +75°C  
Operating Voltage (Vin): 103.5 - 126.5 VAC  
Nominal Voltage (Vin): 115 VAC  
Max. Current Draw: .145A @ 103.5 VAC  
Ambient Temp.: <35°C

**Manufacturer's Information**

Rated Life: 100,000 Hours  
Warranty: 5 Years

**Submit Orders to:**

**Silescent® Lighting Corporation** 954.766.8448  
1417 SW 1st Avenue 877.766.8448  
Fort Lauderdale, FL 33315 Fax: 954.206.0071  
www.silescent.com

Note: Specifications and dimensions subject to change without notice.



# Installation Instructions

**(120 VAC Triac Dimmable Light)**

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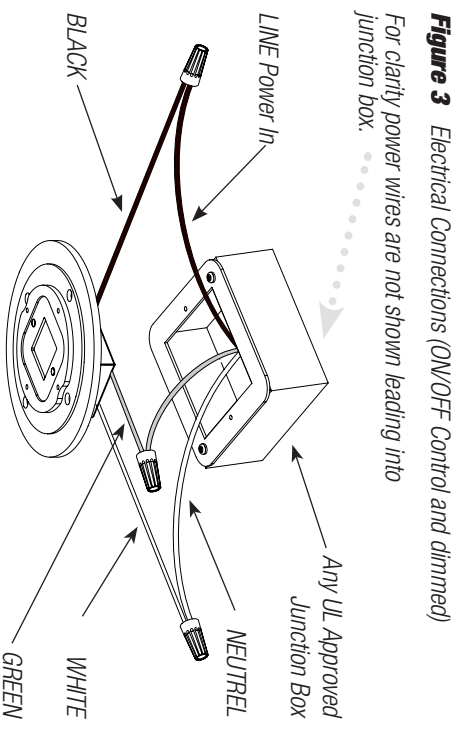
*SILESCENT™ Lighting & SILESCENCE™ Light Technology - Patented by INTELTECH*

## Electrical Installation (continued)

**4.** Locate the light fixture base with the three wires protruding from the back, connect GREEN wire to the safety ground.

**Note:** The wires are strain relieved and will support the light as required during installation. Use the three wire nuts provided or a UL Listed equivalent.

**5.** Connect the line power lead to the BLACK wire and the NEUTREL power lead to the WHITE wire. If you connect the wires backwards the light will work but not as efficiently. (See Figure 3,)



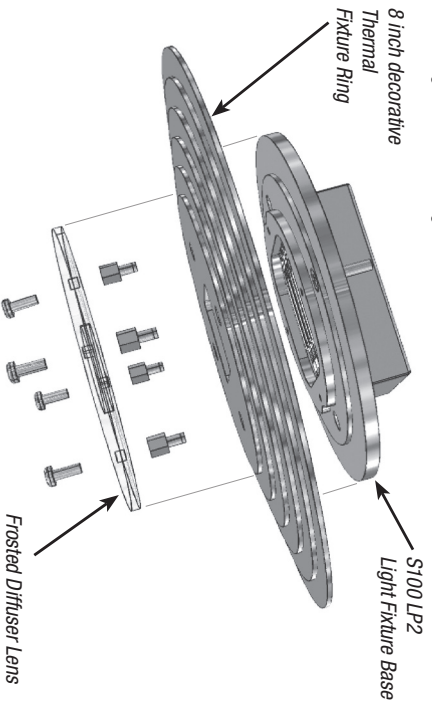
**Figure 3** Electrical Connections (ON/OFF Control and dimmed)

For clarity power wires are not shown leading into junction box.

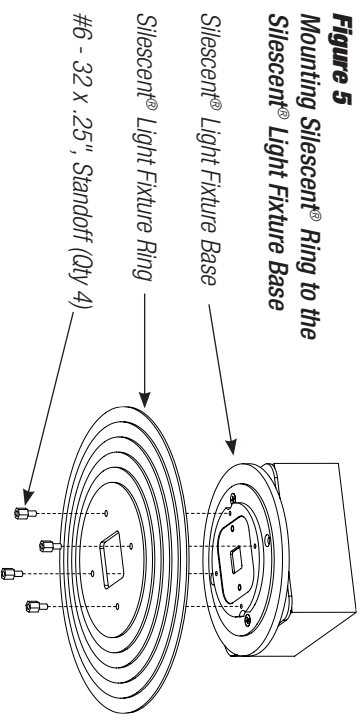
## Mechanical Installation

### Composite View - Silescent® S100 LP2

Illustrating the modular integration of fixture.



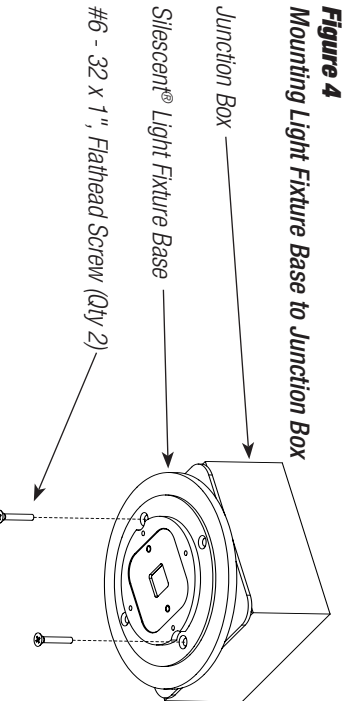
After the base has been secured to the adaptor plate, attach the Silescent® Light Fixture Ring (item 3) to the base (item 2) using the four (4) provided #6-32 x .25 female standoffs (item 4) as shown in Figure 5. Note: Be careful not to over tighten fasteners.



**Figure 5** Mounting Silescent® Ring to the Silescent® Light Fixture Base

### 1. Attach the light fixture Base Assembly to the junction box:

After completing the electrical connections, align the light fixture base (item 2) to the adaptor plate (item 1) so that two opposing mounting holes align with the ceiling box mounting provisions. Using two (2) of the provided mounting screws (item 8), secure the base to the ceiling box as shown in Figure 4 below. Do not over tighten fasteners.

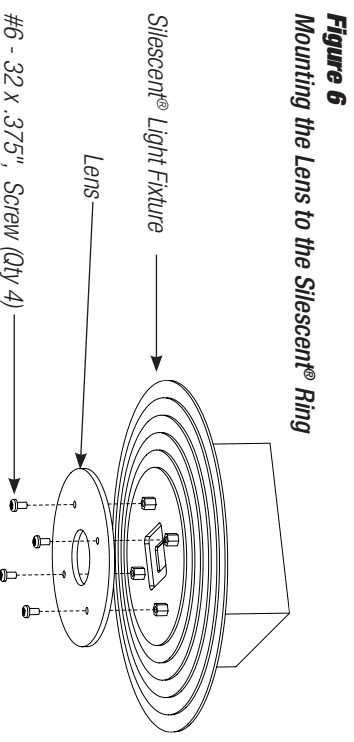


**Figure 4**

### Mounting Light Fixture Base to Junction Box

### 3. Attach the Lens to the Ring:

After installing the Fixture Ring (item 3), align the Lens (item 5) onto the Ring and secure in place using the four (4) provided #6-32 x .5" screws (item 6) as illustrated in Figure 6. Note: Do not over tighten the screws.



**Figure 6** Mounting the Lens to the Silescent® Ring