

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GENERATION BRANDS LLC

Petitioner

v.

LIGHTING SCIENCE GROUP CORP.

Patent Owner

IPR Trial No.: To Be Assigned

**DECLARATION OF DARYL SODERMAN IN SUPPORT OF
PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO.
8,201,968**

I, Daryl Soderman, declare as follows:

1. I am the co-founder and President of Silescent Corporation, a Florida-based lighting company that designs, manufactures and sells lighting fixtures, including low-profile luminaires with light-emitting diode ("LED") light sources. I am over the age of 18, am fully competent to make this affidavit, and make this declaration on personal knowledge.

2. Silescent has designed, manufactured, and sold LED lighting fixtures since 2002.



3. Attached as Exhibit 1 is a true and accurate copy of the Silescent S100 LP2 Product Sheet and Installation Guide. Both were made available to the public at least as early as June 2009.

4. As part of our business, we distributed such installation guides and specification sheets, including Exhibit 1, to customers, typically along with the product or product samples.

5. I note that the Silescent S100 LP2 was designed to be powered by AC line voltage. It included an LED driver with an AC/DC power conditioner located in the box on top of the light fixture base, as shown in Figures 1 and 3 of the LP2 Product Sheet. Per the documents, the power conditioner fit within “Any UL Approved Junction Box,” including a standard 4-inch junction box or equivalent (or 4” can).

6. I am a joint inventor of U.S. Patent No. 7,980,736 filed November 13, 2007, and issued July 19, 2011 (‘736 Patent). The Silescent S100 LP2 is a commercial embodiment of the ‘736 Patent.

Signed under the penalty of perjury this 15th day of July, 2016

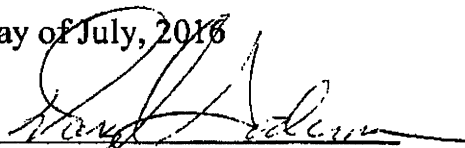

Daryl Soderman

EXHIBIT 1

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.

*"...900 Lumens @ just 15 watts
... a 100,000 hour life...!"*

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

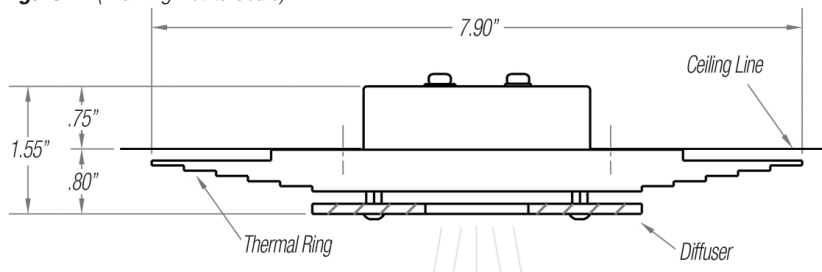
CCT & Relative Performance

CCT	27K (2700K)	30K (3000K)	35K (3500K)	40K (4000K)	50K (5000K)
WATTAGE	15	15	15	15	15
LUMENS	650	675	700	750	900
EFFICACY	43	45	47	50	60

(COLOR RENDERING INDEX: 80 CRI)
POWER FACTOR ALL KELVINS: 0.91

S100 LP2 - Ultra Low Profile Light and Fixture

Figure 1 (Drawing Not to Scale)



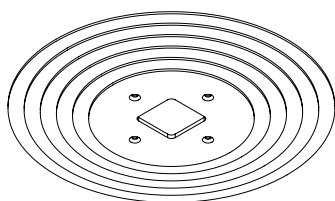
Thermal Ring Styles

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.

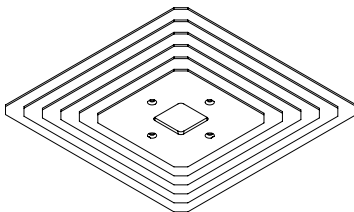
Round - 8 Inch

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



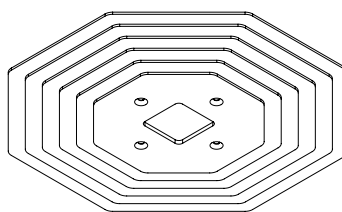
Square - 8 Inch

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



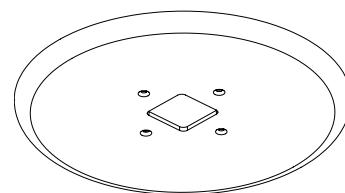
Octagonal - 8 Inch

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.

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