

SILESCENT® S100DD2

Light

SUPER EFFICIENT, SOLID STATE LIGHTING

Low Voltage Digital Control



About

Use the S100DD2 Low 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 S100DD2 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 S100DD2 has an approximate lifetime of 23 years. Multiple patents pending.

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
- Digital Control - allows greater control of the light and its' corresponding light output
- Calibrated light output and serial number control – assures (should a failure happen) a replacement light can be matched to existing installed lights – no color variation.
- Extra 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
- Are designed to have the smallest environmental footprint – Ship 5 S100D'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
- Fully compatible with renewable energy sources - solar and wind systems
- Advanced Intelligent Driver (AID) – is designed as an integral component of the fixture and protects both led and driver from potential failure
- Virtually unlimited aesthetic options – combine thermal rings and lens types to get the look and feel you need
- Wet location listed
- 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, Wet Location and High Ceiling Applications.



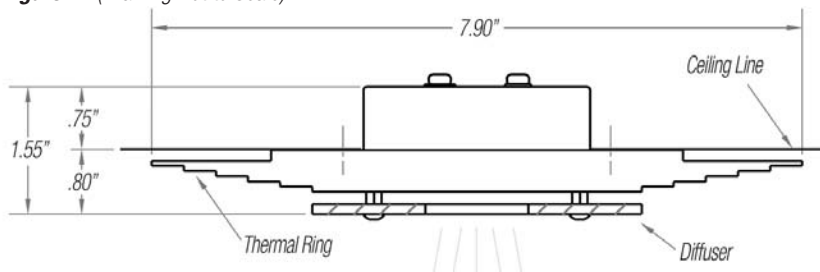
Silescent® S100 DD2 Performance

CCT & Relative Performance

CCT	27K (2700K)	30K (3000K)	35K (3500K)	40K (4000K)	50K (5000K)
WATTAGE	16	16	16	16	16
LUMENS	650	675	700	750	900
EFFICACY	41	42	44	47	56
(COLOR RENDERING INDEX: 80 CRI)					

S100 DD2 - Ultra Low Profile Light and Fixture

Figure 1 (Drawing Not to Scale)



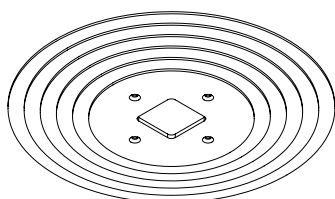
Thermal Ring Styles

The Silescent® S100 DD2 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.

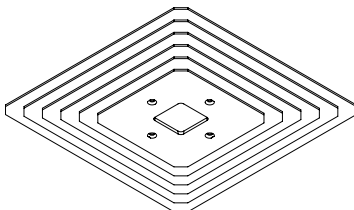
Round - 8 Inch

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



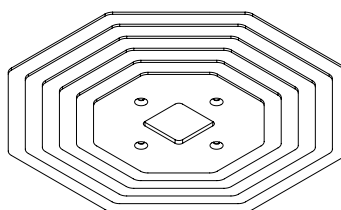
Square - 8 Inch

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



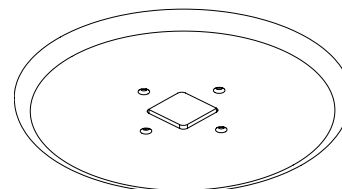
Octagonal - 8 Inch

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): 10.5 – 30 VDC
Nominal Voltage (Vin): 12 or 24 VDC
Max. Current Draw: 1.27 Amps @11VDC
Ambient Temp.: <35°C

Manufacturer's Information

Rated Life: 100,000 Hours
Warranty: 5 Years

Submit Orders to:

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Note: Specifications and dimensions subject to change without notice.