



TSLL Series | TSLL-D Under Cabinet

Date	Notes
Project	
Type	Qty



Features

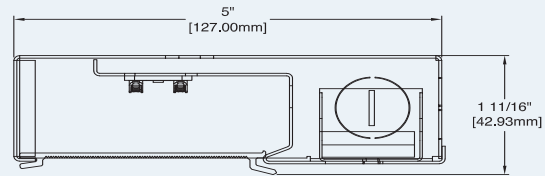
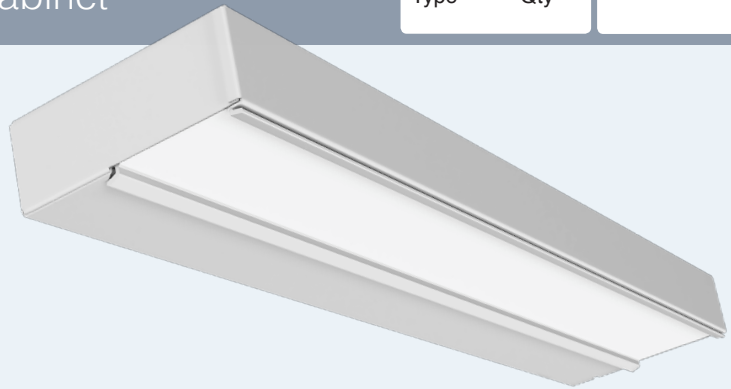
Surface mount task lighting under cabinets and shelves.

LED optimized optics for smooth illumination end-to-end.

Occupancy sensor, rocker switch and convenience outlet options available.

High efficiency programmable driver for custom lumen packages. 0-10V dimming to 1% standard.

High efficacy LEDs in 80 or 90 CRI; two or three channel tunable white; five channel tunable color.



Ordering Guide

MODEL	OPTICS	CCT ¹	LUMENS ²	LENGTH ³	MOUNTING ⁴	FINISH	OPTIONS
TSLL-D					S		
TSLL-D Under Cabinet Direct	FA = Frosted Acrylic	27 = 2700K 80CRI 30 = 3000K 80CRI 35 = 3500K 80CRI 40 = 4000K 80CRI 50 = 5000K 80CRI For 90CRI add '9' prefix. Ex: 940 = 4000K @ 90 CRI TUNABLE WHITE¹ (2-Channel) 2DIM10 = for 0-10V 2DMX = for DMX 2DLM = for DLM TUNABLE WHITE¹ (3-Channel) 3DMX = for DMX 3DML = for DLM TUNABLE COLOR¹ (Lumenetix araya5) LX10 = for 0-10V LXDX = for DMX LXDL = for DLM LXDA = for DALI LXLT = for EcoSystem For RGB and RGB/W options please consult factory.	LO = 660/ft (5W/ft, 128LPW) SO = 890/ft (7W/ft, 128LPW) HO = 1100/ft (9W/ft, 122LPW) Consult factory for additional lumen packages. All values nominal.	2 = 2 ft 3 = 3 ft 4 = 4 ft For other enter row length (e.g. 48 = 48 ft)	S = Surface	W = White CC = Custom Color AMW = Anti-Microbial White	DIMMING DRIVERS DIM10 = 0-10V (1.0%) DIMSR = 0-10V (5.0%) Sensor Ready DIMST = Step Dimming (40%/100%) DALI = DALI (5.0%) LUTRON™ DIMMING DRIVERS LDE1 = Hi-Lume™ 1%-H EcoSystem™ LDE5 = 5-Series 5% EcoSystem™ L3DAE = Hi-Lume™ 1% EcoSystem™ L3DA3W = Hi-Lume™ 1% 3-Wire LTEA2W = Hi-Lume™ 1% 2-Wire FF SENSORS & CONTROLS ESN = Philips™ EasySense OCC = Occupancy Sensor RS = Rocker Switch CO = Convenience Outlet

¹Tunable white, tunable color and RGB/W options detailed on page 3.

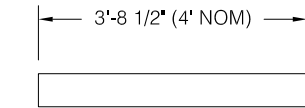
²Delivered Lumens are Standard Output (SO) and Low Output (LO) at 80+CRI 4000K CCT. Use the following multiplier to estimate delivered lumens at other CCTs: 2700K = 0.94, 3000K = 0.96, 3500K = 0.98, 5000K = 1.02. All values nominal. See page 2 for photometry.

³See page 2 for fixture lengths and mounting points.

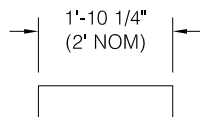
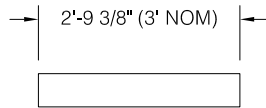


Individual Fixtures

NOMINAL LENGTH	ACTUAL LENGTH
2'	22 1/4"
3'	33 3/8"
4'	44 1/2"

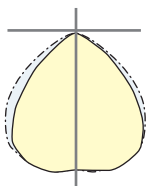


Individual fixtures are fully illuminated from end-to-end. Additional options including occupancy sensor, rocker switch and convenience outlet.



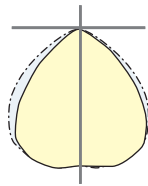
Photometry

TSSL-D-FA-40-LO-4
Frosted Acrylic (FA)



4000K CCT
WATTS: 21
LUMENS: 2691
LPW = 128
Distribution:
100% Direct

TSSL-D-FA-40-SO-4
Frosted Acrylic (FA)



4000K CCT
WATTS: 28
LUMENS: 3588
LPW = 128
Distribution:
100% Direct

Specifications

CONSTRUCTION: Die-formed, 20-gauge, cold rolled steel housing.

REFLECTOR: Highly reflective die-formed steel finished in baked white enamel.

OPTICS: Frosted acrylic is standard.

LEDS: LED modules in 30/35/40 & 50K CCT, 80+ CRI (90 CRI available). Lumen maintenance minimum $L_{70} = 50,000$ hours @ 25 C° ambient temperature. 3 SDCM color consistency. Zhaga™ compliant (Book 7).

ELECTRICAL: Class 2 AOC electronic driver, 120/277V input, PF > 90%, THD < 20 @ 120v. 0-10V dimming to 1%. -20C to +50C operating range. <24dB Class A sound rating. 0-10V dimming is standard.

MOUNTING: All housings are supplied with 7/8" knockouts and key slot mounting holes.

FINISH: Fixture housing and steel components are finished in baked white enamel applied over a five-stage pretreatment process.

CERTIFICATION: Luminaires are cETLus listed conforming to UL STD. 1598 and certified to CSA STD C22.2 NO. 250.0. Suitable for under-cabinet mounting. Dry location only. Union Made in the United States of America. I.B.E.W. RoHS compliant.

Day-O-Lite offers a variety of tunable white and tunable color options for a range of human centric applications and budgets. It is recommended that a recognized authority on the benefits and best practices of tunable white be consulted prior to specification. As a rule, fewer channels will provide a basic level of performance for budget conscious applications. Conversely, an increased number of channels, a wider CCT range, higher CRI and more precise color consistency may be more appropriate depending on the application and desired results.

HOW TO SPECIFY

Select from the various channel/control options below and insert desired **Ordering Code** into the **COLOR TEMP** column of the Ordering Guide on page 1. No need to add a dimming option as the codes include the chosen protocol.

2-CHANNEL TUNABLE WHITE OPTIONS

2700K - 6500K CCT range
 1000L/ft LED modules @ 4000K
 80+ CRI w/3SDCM color accuracy
 10W/ft. nominal power

Ordering Codes

2DIM10 for 0-10V control
2DALI for DALI control
2DMX for DMX control
2LTQ for Lutron Quantum control
2SNS for control via Signify SNS sensors (requires wireless control by others)

LEGRAND BLANCO MULTI-CHANNEL OPTIONS

Blanco-2

Blanco-2 mixes two channels of white LEDs to approximate the blackbody curve for tunable white applications. CCT and intensity may be adjusted with controls by others.

3000K-5000K CCT range
 1000L/ft LED modules @ 4000K
 90+ CRI w/2SDCM color accuracy
 10W/ft. nominal power

Ordering Codes

B2DLM for DLM control
B2DIM10 for 0-10V control
B2DMX for DMX control

Blanco-3

Blanco-3 mixes three channels of white LEDs across a wider range of color temperatures for more demanding tunable white applications. CCT and intensity may be adjusted with controls by others.

2700K-6500K CCT range
 1000L/ft. LED modules @ 4000K
 90+ CRI w/SDCM color accuracy
 10W/ft. nominal power

Ordering Codes

B3DLM for DLM control
B3DIM10 for 0-10V control
B3DMX for DMX control

LUMENETIX ARAYA5 TUNABLE COLOR

araya5 by Lumenetix mixes five colors of LEDs for advanced tunable color that closely matches the black body locus for the most demanding human centric applications. CCT and intensity may be controlled via 0-10V, DALI, DLM and Lutron EcoSystem controls. CCT, intensity, hue and saturation may be controlled via DMX controls. Ideal for use in hospitals, therapy and recovery centers, and assisted living facilities.

On board Bluetooth low energy (BLE)
 1650K-8000K CCT range w/90+ CRI
 Dimming form 100% to 1% or 0.1%
 Gradients of saturated color and hue from 1-100%
 2SDCM - thermal/optical feedback for color accuracy

Ordering Codes

LX10 for 0-10V control
LXDX for DMX controls
LXDL for DLM controls
LXLT for Lutron EcoSystem controls
LXDA for DALI controls

RGB & RGB/W TUNABLE COLOR

RGB = Red, green, blue color mixing LEDs
 RGB/W = Red, green, blue w/white of chosen CCT
 Dimming form 100% to 1%.
 90+ CRI w/3SDCM color accuracy
 10W/ft. nominal power

Ordering Codes

RGB for DMX control
RGB27 for DMX control w/2700K white
RGB30 for DMX control w/3000K white
RGB35 for DMX control w/3500K white
RGB40 for DMX control w/4000K white
RGB50 for DMX control w/5000K white
RRB65 for DMX control w/6500K white

Day-O-Lite makes no claims as to the psychological or physiological efficacy of the white color tuning options offered herein.