Date		Notes
Project		
Type	Qty	

Direct
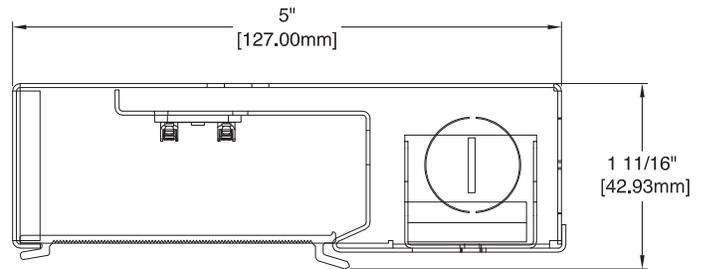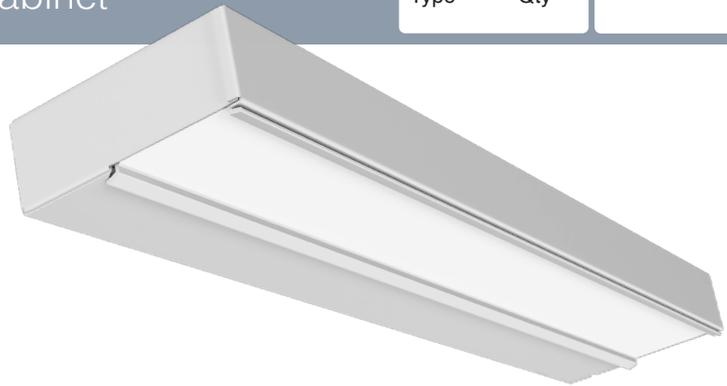
Features

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.

5"
[127.00mm]

1 11/16"
[42.93mm]

Ordering Guide

MODEL	OPTICS	CCT[1]	LUMENS[2]	LENGTH[3]	MOUNTING	FINISH	OPTIONS[4]
TSLL-D	**FA**				**S**		
TSLL-D Under Cabinet Direct	FA = Frosted Acrylic	27 = 2700K 80CRI 30 = 3000K 80CRI 35 = 3500K 80CRI 40 = 4000K 80CRI 50 = 5000K 80CRI 90 CRI add "9" Ex: 940 = 4000K @ 90 CRI **TUNABLE WHITE & COLOR[1]** 2-Channel White 2DIM10 = for 0-10V 2DALI = for DALI 2DMX = for DMX 2PSQ = for Lutron 2SNS = for Signify 2CAS = for Casambi 3-Channel White 3DLM for DLM 3-Channel Color RGB 4-Channel Color/White RGBW 5-Channel Color/Warm White/Cool White RGBWW	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.	1 = 12 in 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%) - **Standard** DIMSR = 0-10V (5.0%) Sensor Ready DIMST = Step Dimming (40%/100%) DALI = DALI (5.0%) **LUTRON™ DIMMING DRIVERS** LDE1 = Hi-Lume™ 1% EcoSystem™ L3DA3W = Hi-Lume™ 1% 3-Wire LTEA2W = Hi-Lume 1% 2-Wire 120V **SENSORS & CONTROLS** ESN = Philips™ EasySense DAY = Daylight Harvesting OCC = Occupancy Sensor CAS = Casambi Bluetooth control VDO = Vive Sensor by Lutron **EMERGENCY** EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Emergency Battery Pack EPC7 = 7W Emergency Battery Pack EPC10 = 10W Emergency Battery Pack EPC12 = 12W Emergency Battery Pack **OTHER*** RS = On/Off Rocker Switch PC = On/Off Pull Switch CO = Convenience Outlet *Above options for 120V only.

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

[2]Delivered 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.

[3]See page 2 for fixture lengths and mounting points.

[4]Not all options integral to fixture. Consult factory.

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Individual Fixtures

NOMINAL LENGTH	ACTUAL LENGTH
1'	12"
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.
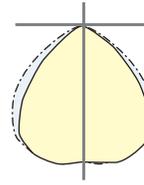
Photometry

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

TSLL-D-FA-40-SO-4
Frosted Acrylic (FA)
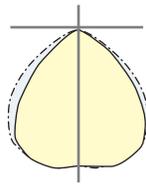
4000K CCT
WATTS: 21
LUMENS: 2691
LPW = 128
Distribution:
100% Direct

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). L_{70} = 50,000 hours @ 25 C° ambient temperature. 3 SDCM color consistency. Zhaga™ compliant (Book 7); field replaceable.

DRIVER: Standard driver is Class 2 AOC 0-10V to 1%, 120/277V input, PF > 90%, THD < 20 @ 120V. Additional dimming protocols available. All drivers prewired from factory for connection to control system (by others), field replaceable.

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
2PSQ	for Lutron Quantum control
2SNS	for control via Signify SNS sensors
2CAS	for control via Casambi BLE wireless devices

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

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/2SDCM color accuracy

10W/ft. nominal power

Ordering Codes

B3DLM   for DLM control

RGB & RGBW TUNABLE COLOR

RGB = Red, Green, Blue color mixing LEDs

RGB/W = Red, Green, Blue + White of chosen CCT

Dimming form 100% to 1%.

90+ CRI w/3SDCM color accuracy

10W/ft. nominal power

Notes:

RGB requires an RGB DMX or DALI controller (by others)

RGBW requires an RGBW DMX or DALI controller (by others)

All channels on one driver is standard, if isolating the White from the RGB channels is desired please consult factory.

RGB and RGBW are not recommended for tunable white applications.

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
RGB65	for DMX control w/6500K white

Add Suffix **DAL** for DALI Control to codes above.

5-CHANNEL TUNABLE WHITE AND COLOR

RGBWW = Red, Green, Blue, Warm White, Cool White.

Consult factory for RGBWW tunable white/color options.

[1]Some options may not be integral to fixture. Please consult factory.

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