DAY-O-LITE

Elite Series | ELTL-1

Date	Notes
Project	
Type Qty	

Direct/Indirect

2" [50.77mm]

8" [203.20mm]
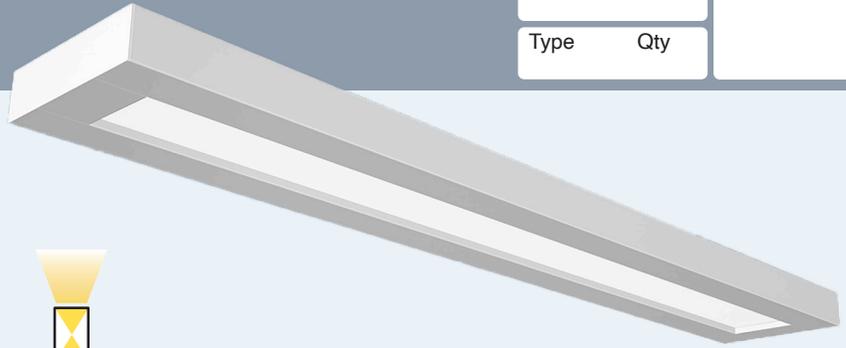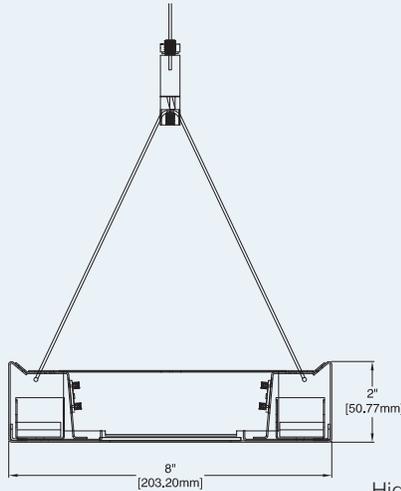
Features

Durable steel housing w/welded end-plates.

LED optimized optics in multiple configurations up and down.

Direct/Indirect performance in a sleek modern design. Ideal for general illumination.

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
ELTL-1-XX	**SI**						
ELTL-1-D 100% Direct ELTL-1-DI 22% Direct 78% Indirect	SI = Satin Ice Acrylic w/clear indirect acrylic dust cover	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 3DML = for DLM 3-Channel Color RGB 4-Channel Color/White RGBW 5-Channel Color/Warm White/Cool White RGBWW	**DIRECT** LO = 820/ft (10W/ft, 82LPW) SO = 1095/ft (14W/ft, 78LPW) **DIRECT/INDIRECT** LO = 1388/ft (10W/ft, 138LPW) SO = 1834/ft (14W/ft, 131LPW) HO = 2275/ft (18W/ft, 126LPW) **DISTRIBUTION** 22% Direct 78% Indirect Consult factory for additional lumen packages. All values are nominal.	4 = 4 ft 6 = 6 ft 8 = 8 ft For other enter row length (e.g. 48 = 48 ft)	ACY = Aircraft Cable (Y) PD = Pendant	W = White CC = Custom Color AMW = Anti-Microbial White AMW finish contains SilverSan™ ionic silver to inhibit the growth of bacteria.	**DIMMING DRIVERS** DIM10 = 0-10V (1%) - **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™ LDE5 = 5-Series 5% 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

[1]Tunable white, RGB, RGBW and RGBWW options detailed on page 4. Not all options integral. Consult factory.

[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 3 for photometry.

[3]See page 2 for actual fixture lengths and suspension locations.

[4]See page 3 for mounting details.

Individual Fixtures & Continuous Rows

NOMINAL LENGTH	ACTUAL LENGTH	SUSP. 1 O.C.	SUSP. 2 O.C.	SUSP. 3 O.C.
4'	4' 1/8"	3' 10"		
8'	8' 1/8"	7' 10'		
12'	12' 1/8"	7' 10"	4'	
16'	16' 1/8"	7' 10"	8'	
20'	20' 1/8"	7' 10"	8'	4'
24'	24' 1/8"	7' 10"	8'	8'

Individual fixtures up to 8' nominal and continuous rows up to 24' nominal and suspension centers are dimensioned as shown below. Continuous rows longer than 8' and patterns including EPC/EMC and sensor locations must be approved prior to manufacturing.
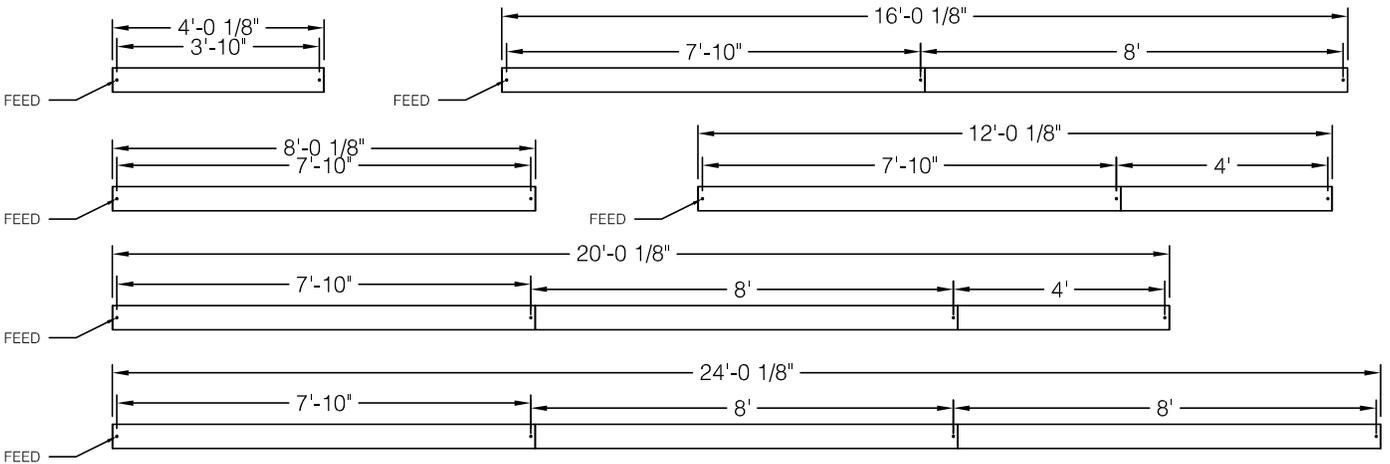

Emergency & Sensor Locations

EPC will control entire length of individual fixtures. Individual fixtures of differing lengths will deliver the same lumens under EPC power (a 4' fixture will deliver the same total lumens over half the length of an 8' fixture). EMC controlled individual fixtures will deliver lumens per foot as originally specified, unless dimmed at time of power loss. Consult factory for EMC dimming override device.

4' Individual

8' Individual

For individual fixtures to 8' EPC/EMC will power entire fixture.

24' Row (3x8')

For continuous rows longer than 8' one EPC/EMC will be located in the feed section (end-left) of the row as shown below.

24' Row (3x8')

If two EPC/EMC's are required their default locations will be in the feed section (end-left) and last section (end-right) as below.

24' Row (3x8')

Custom placement of one or more EPC/EMC's must be clearly identified during ordering.

8' Individual

SENSORS (Integral) for individual fixtures will control entire length of fixture and will be located on feed end of fixture.

24' Row (3x8')

SENSORS for rows by default will control the feed section (end-left) of the row. Sensors can control more than an 8' section within a row. Consult factory for sensor/section options, or for multiple sensors in a continuous row.

Standard Suspensions

Standard suspension options include adjustable self-locking aircraft cables (AC) and rigid pendant stems (PD). AC assembly is 48" x 1/16" with a 5" feed canopy and 2" suspension canopies. 60" 18 gauge power and 22 gauge dimming control SJT feed.

PD assemblies are 5/8" dia. (or 3/8" IP) hollow stem for power feed by others, 24" is standard. Consult factory for longer suspension lengths and other mounting options.

ACY = Aircraft Cable   **PD** = Pendant Stem

Photometry
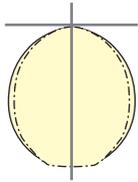
ELTL-1-D-SI-S0-SO-4	ELTL-1-D-SI-S0-SO-4	ELTL-1-DI-SI-40-LO-4	ELTL-1-DI-SI-40-SO-4	ELTL-1-DI-SI-40-HO-4
CCT: 4000K WATTS: 40 LUMENS: 3280 LPW: 82 Distribution: 100% Direct	CCT: 4000K WATTS: 56 LUMENS: 4390 LPW: 78 Distribution: 100% Direct	CCT: 4000K WATTS: 40 LUMENS: 5550 LPW: 138LPW Distribution: 22% Direct 78% Indirect	CCT: 4000K WATTS: 56 LUMENS: 7334 LPW: 131LPW Distribution: 22% Direct 78% Indirect	CCT: 4000K WATTS: 72 LUMENS: 9100 LPW:126LPW Distribution: 22% Direct 78% Indirect
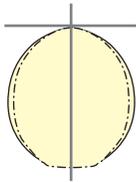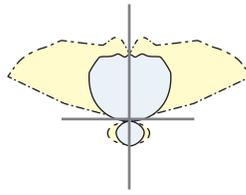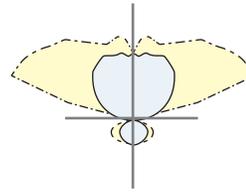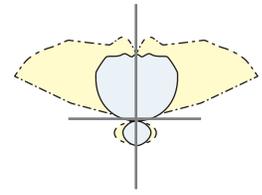
Specifications

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

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

OPTICS: Standard shielding is LED optimized Satin Ice acrylic (SI) direct; clear acrylic dust cover (CA) indirect.

LED LED modules in 80/90 CRI @ 3 SDCM, minimum L70= 50,000 hours. Zhaga complaint, 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: Standard options include adjustable self-locking aircraft cables (AC), and rigid pendant stems (PD). AC assembly is 48" x 1/16" with a 5" feed canopy and 2" suspension canopies. 18 gauge power and 22 gauge dimming control SJT feed.

FINISH   Housing and components finished in baked white enamel. Canopies and pendant stems are white enamel unless otherwise specified. SilverSan™ antimicrobial finish also available.

CERTIFICATION   Luminaires are cETLus listed conforming to UL STD. 1598 and certified to CSA STD C22.2 NO. 250.0. Suitable for dry & damp locations. Union Made in the United States of America. I.B.E.W. RoHS compliant.

Tunable White & Tunable Color

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.