ALS
Advantage Lighting Solutions

TLKIT SERIES TUBE LIGHT LINEAR STRIP KIT

Client:
Project:
Type:
Quantity:

CONSTRUCTION
2-Foot and 4-Foot compact design, machine stamped aluminum housing with semi-gloss White finish.

OPTICS
End-to-end frosted polycarbonate (PC) lens.
Seamless end-to-end connection with optional flexible jumper connector for corner and curved application.

ELECTRICAL
Delivered 160lm/W efficacy LEDs offer 80+ color rendering index (CRI),
L70 >50,000 hours expected life.
Driver operates at 120-277V input, 0-10V dimmable down to 10% w/ AUX 12V output.

MOUNTING
Designed for direct wire or as a portable luminaire with use of power cord.
Bypass socket, tombstones and ballast, simple and reliable retrofit solution for T5, T8 and T12 fixtures.

STANDARD FINISH
Semi-gloss White finish, suitable for damp location.

CERTIFICATION
Damp location label standard.
All luminaires are built to UL1598 standards and bear appropriate cETlus labels.
DLC® Premium (DesignLights Consortium Qualified).

WARRANTY
5 year warranty, see Limited Warranty for additional information.

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TLKIT SERIES TUBE LIGHT LINEAR STRIP KIT

ORDER INFORMATION					EXAMPLE: TLKIT 2L2 40 SM UD25
Fixture	Series	Size	CCT	Mounting	Input
	TLKIT		**40**	**SM**	
Accessories Options					

A SERIES

TLKIT	Tube Light Linear Strip Kit

B SIZE

CODE	SIZE	POWER	LUMEN
2L2	2x2	Field Selectable 10 / 15 / 20 / 25W	1,600 / 2,400 / 3,200 / 4,000lm
2L4	2x4	Field Selectable 25 / 30 / 35 / 45W	4,000 / 4,800 / 5,600 / 7,200lm

C CCT

40	4000K

D MOUNTING

SM	Snap-on magnetic surface mount clip (pair)

E INPUT

UD25	25W MAX Selectable Output Driver 120-277V Input 0-10V Dimming w/ AUX 12V For 2FT Strip
UD45	45W MAX Selectable Output Driver 120-277V Input 0-10V Dimming w/ AUX 12V For 4FT Strip

F ACCESSORIES/OPTIONS

| AIA	Assembled in America, compliant with BAA (COTS)
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System
EMB-H08170*	90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output
EMB-H18170*	90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output
SENSOR-ANT-7*	Integral Microwave Bi-Level Motion Sensor
SENSOR-BLE-7*	Integral Microwave Bluetooth Wireless Bi-Level Motion Sensor (ALS Control Mobile App)
REMOTE-RC100	Handheld Remote Commissioning Tool for SENSOR-ANT (1 per job)

*see page 5 for sensor and emb spec

TLKIT SERIES TUBE LIGHT LINEAR STRIP KIT

DIMENSIONS

Model	L1	L2
TLKIT-2L2	21.02" (534mm)	11.06" (281mm)
TLKIT-2L4	44.37" (1127mm)	12.40" (315mm)
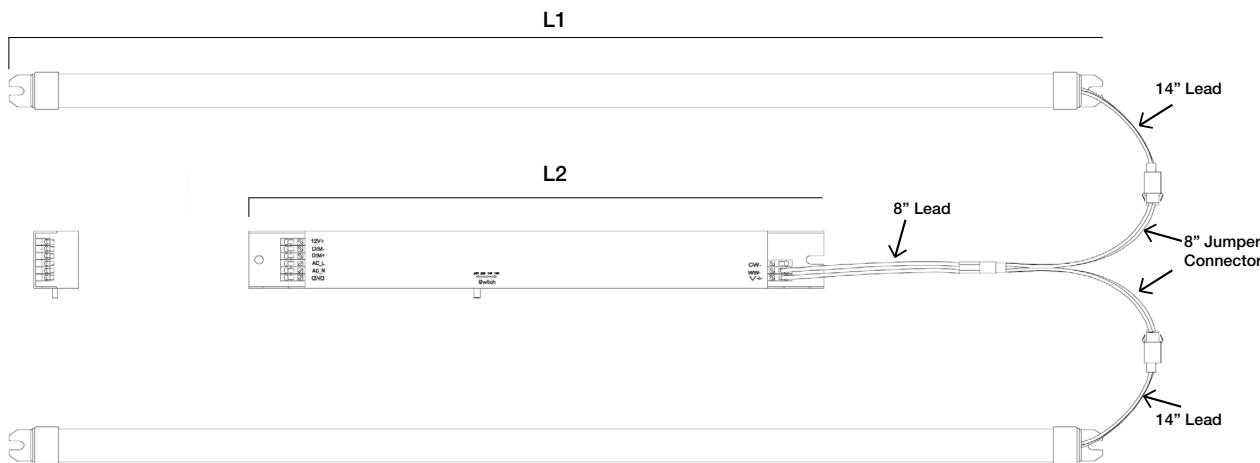
Model	W1	W2	H1	H2
TLKIT-2L2	1.22" (31mm)	0.79" (20mm)	0.87" (22mm)	0.75" (19mm)
TLKIT-2L4	1.22" (31mm)	0.79" (20mm)	0.87" (22mm)	0.75" (19mm)

Driver Cross Section
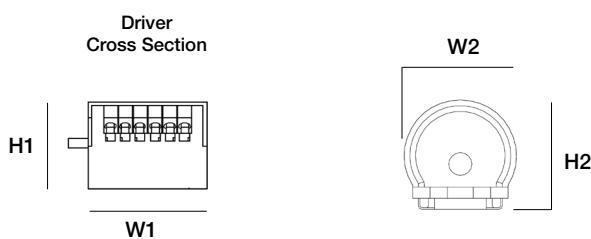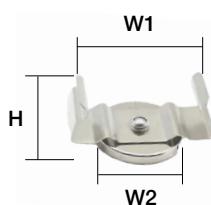
MOUNTING

Snap-on magnetic surface mount clip (pair)
W1: 1.08" (27mm)
W2: 0.79" (20mm)
H: 0.40" (10mm)

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DLC CODE

Part Number	DLC Product ID	DLC Class
TLKIT-2L2-40-SMUD25-[MO, Blank]	S-GZ4GZW	Premium
TLKIT-2L4-40-SMUD45-[MO, Blank]	S-8K52J0	Premium

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SENSOR SPEC

| Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-BLE-7 (see page 7 for detail)	Microwave	up to 13FT	17FT radius	12V DC	Bluetooth Mesh On/Off/Dimming Motion Daylight Sensing	ALS Control Bluetooth Mobile App
SENSOR-ANT-7	Microwave	up to 12FT	17FT radius	10V DC	On/Off/Dimming Motion Daylight Sensing	REMOTE-RC100
CONTROL-LVFA (see page 6 for detail)	-	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App

SENSOR-BLE-7
SENSOR-ANT-7

CONTROL-LVFA

EMB SPEC

Model	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
EMB-H08170	90mins	100-347VAC	170VDC	8W	0°C ~ 50°C 32°F ~ 122°F	Factory or Field Install
EMB-H18170	90mins	100-347VAC	170VDC	18W	0°C ~ 50°C 32°F ~ 122°F	Factory or Field Install

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CONTROL-AVI-LVFA SPEC

Status LEDs & Config Button
Quick and easy validation of wiring and network

Direct Connect™ Sensor Port
Simple and cost-effective addition to Avi-on sensors

Terminal Blocks & Mounting Tabs
Faster, easier and lower cost installation eliminating connectors

Internal Antenna
Improved performance and eliminates risk of accidentally cutting a hanging wire
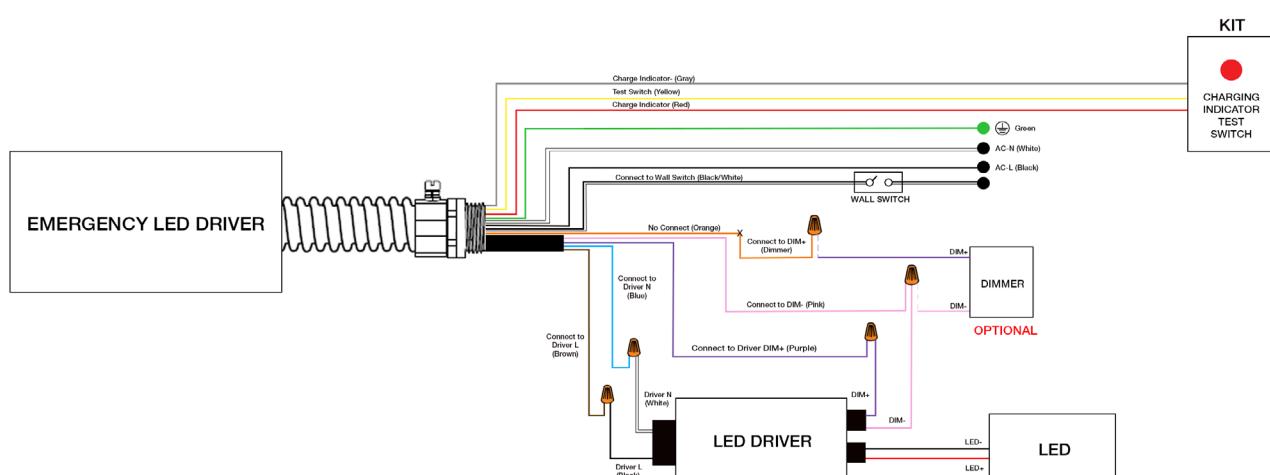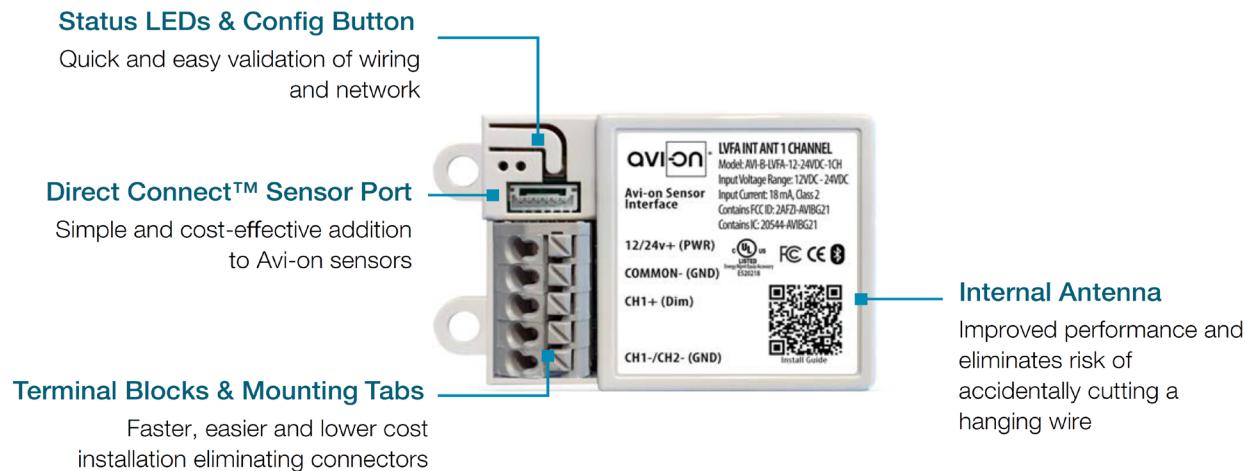
SPECIFICATIONS

INPUT VOLTAGE:	12-24VDC
CURRENT:	15mA without a Sensor
	19mA with a DC PIR Sensor
	48mA with a DC Microwave Sensor
0-10V DIMMING:	12-24VDC
SIZE:	2.30in x 1.43in x 0.75in
	(58.2mm x 36.4mm x 19mm)
MOUNTING:	Removable mounting tabs
WEIGHT:	0.45 oz (16g)
OPERATING TEMP:	-22°F to +158°F (-30°C to + 70°C)

RADIO FREQUENCY:	2.4GHz
WIRELESS STANDARD:	BLE 4.2 with Mesh
POINT TO POINT RANGE*:	80ft with obstructions
	350ft unobstructed
SECURITY:	AES 128-bit encryption for device to device communication
	AES 256-bit encryption for device to cloud communication
WARRANTY:	5 years; 10 years optional
REGULATORY:	FCC: 2AFZI-AVI1010 B
	IC: 20544-AVI1010 B
	BQB: D031801, DID: 86303
	UL 916, 2043 (Plenum Rated)

*When communicating through the mesh, range is essentially unlimited (5000ft+)

WIRING DIAGRAM

Fixture adapter powered by LED driver auxiliary output

Fixture adapter connected to LED driver and using power supply

ALS CONTROL

SENSOR-BLE-7 BLUETOOTH MICROWAVE SENSOR

Client:
Project:
Type:
Quantity:
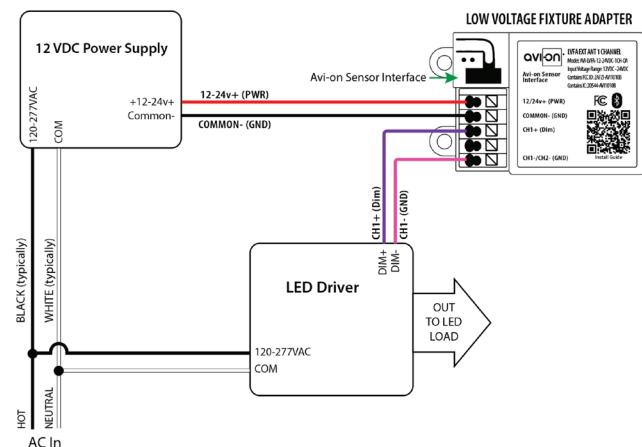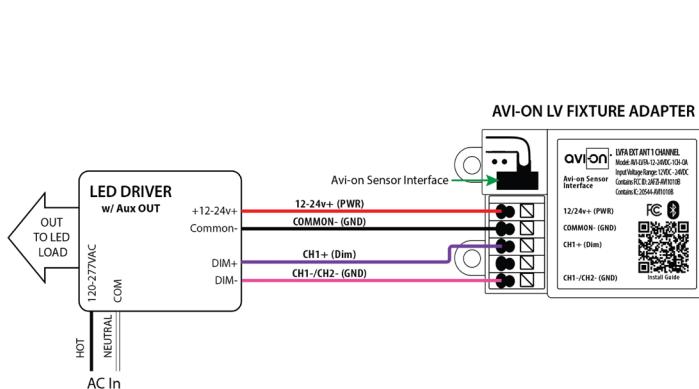
FEATURE

- **Installation:** Factory Install - Integral to Fixture
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Hold time, High-Low setting, continuous Bi-level dimming, Code-compliant manual-on or auto-off capability
- **Sensor:** Motion (Occupancy/Vacancy/Manual)
- **Room and Zone Control:** Zoning and Grouping control, Scheduling

SPECIFICATIONS

SENSOR TYPE:	Microwave	**COMMISSIONING RANGE:**	50FT
WIRELESS STANDARDS:	Bluetooth SIG Mesh	**BLUETOOTH RANGE:**	Integral antenna up to 164FT
INPUT VOLTAGE:	10-14VDC, >50mA	**DETECTION ANGLE:**	360°
CONTROL OUTPUT:	0-10V	**MOUNTING HEIGHT:**	Up to 13FT
OPERATING TEMP:	-40°F ~ +158°F (-40°C ~ +70°C)	**WARRANTY:**	5 years
		IP RATING:	IP20

DIMENSIONS

	L	W
	3.70" (94mm)	0.73" (18.5mm)

COVERAGE PATTERNS

Height of Installation 8 ~13FT

Detection Range
MAX: 17FT   MAX: 17FT
Height of Installation 8FT

Detection Angle
360

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