ALS®
Advantage Lighting Solutions

AL4 SERIES AREA LIGHT

Client:
Project:
Type:
Quantity:

CONSTRUCTION

Rugged die-cast aluminum housing with hinged, die-cast aluminum door.
Low profile, 3G vibration rated compact design minimizes wind load requirements.
Housing is completely sealed against moisture and dusty.

OPTICS

UV-resistant polycarbonate optics, available in Type III, IV, V distributions.
Full cutoff when mounted with non-adjustable SR Mount or at 0 degrees tilt with adjustable Slipfitter or Trunnion Mount. Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.

ELECTRICAL

70+ CRI Lumileds LED.
-40°C up to 50°C (-40°F up to 122°F) maximum operating temperature.
Long-life 120,000 hr LED at L70 @ 40°C.
Driver operates at 120-277V input, 0-10V dimmable driver, down to 10%.
50/60Hz, <20% THD, 0.9 power factor.
Optional 3000K - made to order. Optional 347/480V input. Optional 10kV surge protection.
Optional dimming sensor for occupancy and ambient light level detection.

SENSORS (OPTIONAL)

SENSOR-BLE-619 Integral PIR ALS Control Bluetooth/on/off/dimming/photosensing.
SENSOR-823 Integral PIR on/off/dimming/photosensing.
SENSOR-820 Integral PIR on/off/dimming/photosensing.
SENSOR-PH-PB-U Integral button style photocell.
SENSOR-PH-PT-U/UD/HD Twist lock dimming/non-dimming photocontrol.
CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.
CONTROL-BLE-SK104-PH ALS Control Bluetooth Fixture Controller.

MOUNTING

Non-adjustable pole mount bracket (SR) suitable for both round and square pole.
Optional slipfitter for 2-3/8" tenon (SF), non-adjustable wall mount (WM), adjustable trunnion mount (TR) and tilt-able pole mount bracket (SRT).

STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

CUSTOM FINISH

Corrosion resistant Black, Graphite Metallic, Gray, Silver, White, Custom RAL#.

CERTIFICATION

IP65 Wet location label standard.
Meets Buy America Act requirements.
IDA compliant: with 3000K color temperature selection.
All luminaires are built to UL1598 standards and bear appropriate cULus labels.
DLC® Premium (DesignLights Consortium Qualified) listed.

WARRANTY

5 year warranty, see Limited Warranty for additional information.



250/300W w/Pole Mount



100W



150 / 180W

SHIPPING DATA

Product	Measurement	Weight
AL4-100	14"L x 11"W x 3"H	9 lb
AL4-150/180	15"L x 12"W x 3"H	9 lb
AL4-250/300	24"L x 13"W x 3"H	17 lb

Advantage Lighting Solutions® - All Rights Reserved
Specifications are subject to change without notice

ALS®
Advantage Lighting Solutions

AL4 SERIES AREA LIGHT

ORDER INFORMATION

EXAMPLE : AL4 100 40 T3 DB UNVD

Fixture	Series	Power & LM	CCT	Distribution	Finish	Input
	AL4					

A SERIES

AL4	Area Light

B POWER & LM

Code	Power	LM	Code	Power	LM
100*	100W	14,200	**250***	250W	35,000
150*	150W	21,000	**300***	300W	42,000
180*	180W	25,000			

***Dialable lumen output consult factory**

C CCT

30*	3000K	**50**	5000K
40	4000K		

***Made to order consult factory for lead time**

D DISTRIBUTION

T3	Type III	**T5**	Type V
T4	Type IV		

E FINISH

Standard

DB	Dark Bronze

Custom Color

CC	**BK**	Black	**GM**	Graphite Metallic	**GR**	Gray
	SV	Silver	**WH**	White	**RAL#**	

F INPUT

UNVD	120-277V, 1-10V Dimmable	**HVLD**	347-480V, 1-10V Dimming

ORDER INFORMATION (CONTINUED)

Mounting		Accessories Options	

G MOUNTING

MOUNT-AL4-SF	Slipfitter	**MOUNT-AL4-TR**	Trunnion Mount
MOUNT-AL4-SR	Square/Round Pole Non-Adjustable	**MOUNT-AL4-WM**	Wall Mount
MOUNT-AL4-SRT	Square/Round Pole Tilt-able		

H ACCESSORIES/OPTIONS

BAA	Assembled in America, Compliant with BAA (COTS)
SHIELD-AL4-A / B / C**	Metal Houseside Glare Shield **A:** 100W, **B:** 150/180W, **C:** 250/300W
SENSOR-BLE-619-L3 / L4*	Integral PIR Bluetooth Daylight Sensor (ALS Control Mobile App) / **L3:** up to 40FT, **L4:** up to 8FT
SENSOR-PH-PB-U*	Button Style Photocell
SENSOR-PH-PT-U / UD / HD*	Twist Lock Photocell / **U:** 120-277V, **UD:** 120-277V, **HD:** 480V input
SENSOR-823-L3 / L4*	Integral PIR On/Off/Dimming/Photosensing / **L3:** up to 40FT, **L4:** up to 8FT
SENSOR-820*	Integral PIR On/Off/Dimming/Photosensing
REMOTE-RC100	Handheld Remote Commissioning Tool for SENSOR-823, 820 Series
SURGE-LSP4-U / H	10kV Inline Surge Protection for Universal Input / **U:** 120-277V, **H:** 480V input
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System
CONTROL-BLE-SK104-PH	Integral Bluetooth Fixture Controller w/Button Photocell (ALS Control Mobile App)

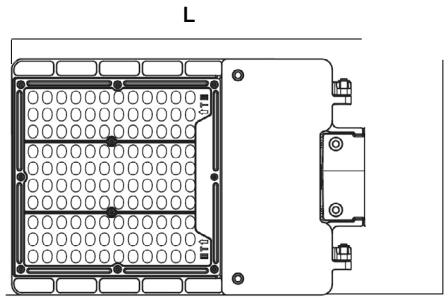
**see page 5 for Shield spec

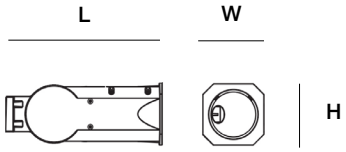
*see page 8 for Sensor spec

AL4 SERIES AREA LIGHT

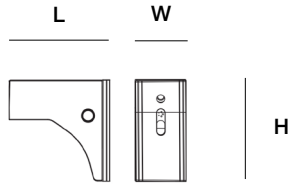
DIMENSIONS

Model	L	W	H
AL4-100	12.63” (321mm)	9.25” (235mm)	2.46” (63mm)
AL4-150 / 180	14.11” (358mm)	11.69” (297mm)	2.46” (63mm)
AL4-250 / 300	22.40” (569mm)	12.12” (308mm)	2.46” (63mm)
Bracket - SF	10.00” (254mm)	3.35” (85mm)	3.35” (85mm)
Bracket - SR	8.45” (176mm)	3.55” (90mm)	6.97” (177mm)
Bracket - SRT	9.25” (235mm)	3.55” (90mm)	6.97” (177mm)
Bracket - WM	8.17” (208mm)	5.98” (152mm)	7.99” (203mm)
Bracket - TR	5.93” (151mm)	5.43” (138mm)	1.97” (50mm)

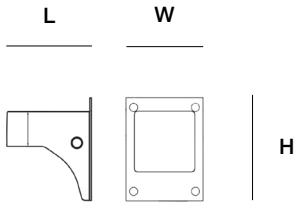




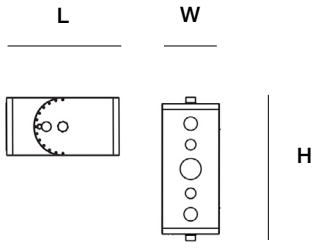
SF (Slipfitter)



SR / SRT (Square/Round)

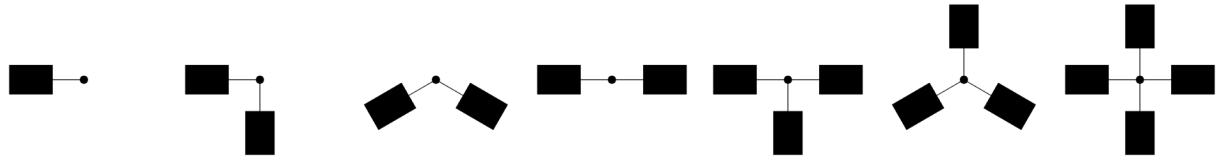


WM (Wall Mount)



TR (Trunnion Mount)

EPA (ft^2)



Mounting Option	Single	2 @ 90°	2 @ 120°	2 @ 180°	3 @ 90°	3 @120°	4 @90°
100W	0.275	0.527	0.732	0.616	0.958	0.984	0.958
150W / 180W	0.311	0.634	0.646	0.622	0.934	0.970	0.934
250W / 300W	0.410	0.723	0.992	0.886	1.199	1.305	1.197

Advantage Lighting Solutions® - All Rights Reserved
Specifications are subject to change without notice

SHIELD SPEC



SHIELD-AL4-A
Matching Finish Metal Houseside Shield

For AL4-100W (1:1)



SHIELD-AL4-B
Matching Finish Metal Houseside Shield

For AL4-150 / 180W (1:1)



SHIELD-AL4-C
Matching Finish Metal Houseside Shield

For AL4-250 / 300W (1:1)

ALS®
Advantage Lighting Solutions

AL4 SERIES AREA LIGHT

PERFORMANCE DATA

SYSTEM WATTS	DIST.TYPE	4000K			5000K		
		LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING
100W	III	14427	147	B3-U0-G2	14239	144	B2-U0-G2
	IV	14141	144	B3-U0-G3	13994	142	B3-U0-G3
	V	14368	146	B4-U0-G2	14204	144	B4-U0-G2
150W	III	21231	144	B3-U0-G3	21093	143	B3-U0-G3
	IV	20787	141	B3-U0-G3	20699	140	B3-U0-G3
	V	20973	143	B4-U0-G2	20910	142	B4-U0-G2
180W	III	25886	143	B3-U0-G3	25927	143	B3-U0-G3
	IV	25796	142	B3-U0-G3	25885	143	B3-U0-G3
	V	25809	142	B4-U0-G3	26053	143	B4-U0-G3
250W	III	35794	141	B4-U0-G4	35144	140	B4-U0-G4
	IV	35366	140	B4-U0-G4	34999	139	B4-U0-G4
	V	35411	140	B5-U0-G3	34847	138	B5-U0-G3
300W	III	42421	139	B4-U0-G4	42255	138	B4-U0-G4
	IV	41556	136	B4-U0-G5	41697	136	B4-U0-G5
	V	42261	138	B5-U0-G3	42002	137	B5-U0-G3

AL4 SERIES AREA LIGHT

DLC CODE

Part Number	DLC Product ID	DLC Class
AL4-100 40 T3 - XX UNVD (UD) / HVL (HD) AL4-100 50 T3 - XX UNVD (UD) / HVL (HD)	PlJNBXIX / P87LBAOO POHWR89B / PVFYO3DD	Premium Premium
AL4-100 40 T4 - XX UNVD (UD) / HVL (HD) AL4-100 50 T4 - XX UNVD (UD) / HVL (HD)	PQDYSA0Y / PX6QX6MG PVS4NSFE / PXO2WNYL	Premium Premium
AL4-100 40 T5 - XX UNVD (UD) / HVL (HD) AL4-100 50 T5 - XX UNVD (UD) / HVL (HD)	PD00ZHFI / PH35OWD5 PNRG8OP5 / PR2D2SAY	Premium Premium
AL4-150 40 T3 - XX UNVD (UD) / HVL (HD) AL4-150 50 T3 - XX UNVD (UD) / HVL (HD)	PJPCGVWB / PP5VPS39 PDMP5KSX / PCE8MAPY	Premium Premium
AL4-150 40 T4 - XX UNVD (UD) / HVL (HD) AL4-150 50 T4 - XX UNVD (UD) / HVL (HD)	PNRQ7I9D / PY9JVSFJ PM7LUL6C / PIFV1EA3	Premium Premium
AL4-150 40 T5 - XX UNVD (UD) / HVL (HD) AL4-150 50 T5 - XX UNVD (UD) / HVL (HD)	PTQ1KQT9 / P3R10X5Z PN2V984O / PMOG95AC	Premium Premium
AL4-180 40 T3 - XX UNVD (UD) / HVL (HD) AL4-180 50 T3 - XX UNVD (UD) / HVL (HD)	PENDING	Premium Premium
AL4-180 40 T4 - XX UNVD (UD) / HVL (HD) AL4-180 50 T4 - XX UNVD (UD) / HVL (HD)	PENDING	Premium Premium
AL4-180 40 T5 - XX UNVD (UD) / HVL (HD) AL4-180 50 T5 - XX UNVD (UD) / HVL (HD)	PENDING	Premium Premium
AL4-250 40 T3 - XX UNVD (UD) / HVL (HD) AL4-250 50 T3 - XX UNVD (UD) / HVL (HD	PENDING	Premium Premium
AL4-250 40 T4 - XX UNVD (UD) / HVL (HD) AL4-250 50 T4 - XX UNVD (UD) / HVL (HD)	PENDING	Premium Premium
AL4-250 40 T5 - XX UNVD (UD) / HVL (HD) AL4-250 50 T5 - XX UNVD (UD) / HVL (HD)	PENDING	Premium Premium
AL4-300 40 T3 - XX UNVD (UD) / HVL (HD) AL4-300 50 T3 - XX UNVD (UD) / HVL (HD)	PJX4JT2Z / PRBVPTP0 PO9M4LEU / PW3YP99N	Premium Premium
AL4-300 40 T4 - XX UNVD (UD) / HVL (HD) AL4-300 50 T4 - XX UNVD (UD) / HVL (HD)	PZML9NFB / PHW7R7HF P89X9RPQ / P4CEZGTP	Premium Premium
AL4-300 40 T5 - XX UNVD (UD) / HVL (HD) AL4-300 50 T5 - XX UNVD (UD) / HVL (HD)	P1UV56XP / P9JHZ2RX POD8QCH0 / PAYF2RL2	Premium Premium

Advantage Lighting Solutions® - All Rights Reserved

AL4 SERIES AREA LIGHT

SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-823	PIR	**L3** - 40FT **L4** - 8FT	30FT radius 24FT radius	Universal	On/Off/Dimming	REMOTE-RC100
SENSOR-820	PIR	up to 40FT	30FT radius	100 ~ 480V	On/Off/Dimming Daylight Harvesting	REMOTE-RC100
SENSOR-PH-PB-U	-	-	-	Universal	Dusk-to-Dawn Control	-
SENSOR-PH-PT-U SENSOR-PH-PT-UD SENSOR-PH-PT-HD	-	-	-	Universal 277 ~ 480V	Dusk-to-Dawn Control	-
CONTROL-LVFA (see page 9 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App
SENSOR-BLE-619 (see page 10 for detail)	PIR	**L3** - 40FT **L4** - 8FT	30FT radius 24FT radius	12V DC	Bluetooth Mesh On/Off Daylight	ALS Control Bluetooth Mobile App
CONTROL-BLE-SK104-PH (see page 9 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling CCT Tuning	ALS Control Bluetooth Mobile App


SENSOR-823


SENSOR-820


SENSOR-PH-PB-U


SENSOR-PH-PT-U/UD/HD

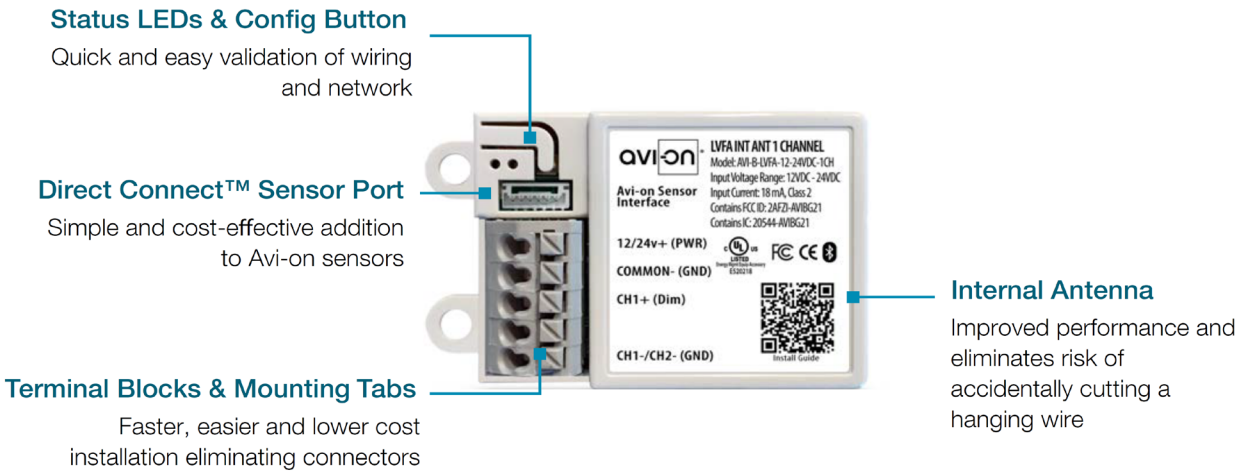

CONTROL-LVFA


SENSOR-BLE-619


CONTROL-BLE-SK104-PH

Advantage Lighting Solutions® - All Rights Reserved

CONTROL-LVFA SPEC



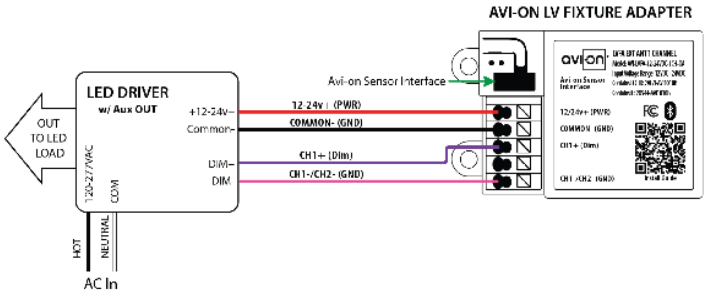
SPECIFICATIONS

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)

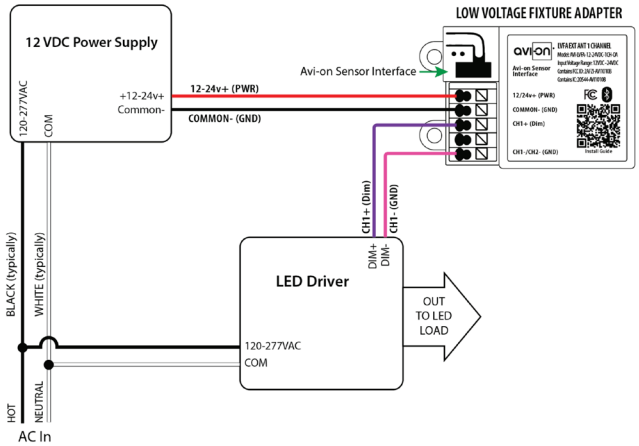
RADIO FREQUENCY:	2.4GHz
WIRELESS STANDARD:	BLE 4.2 with Mesh
POINT TO POINT RANGE*:	80ft with obstructions 350ft unobstructed
SECURITY:	AES 128-bit encryption for device to device communication AES 256-bit encryption for device to cloud communication
WARRANTY:	5 years; 10 years optional
REGULATORY:	FCC: 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-619 BLUETOOTH PIR SENSOR

Client:
Project:
Type:
Quantity:

FEATURE



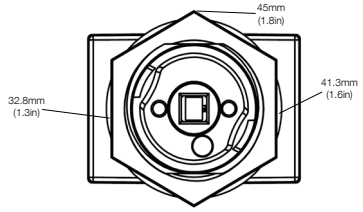
- **Installation:** Factory Install - Sensor integral to fixture, lens external
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Hold time, High-Low setting, continuous Bi-level dimming, manual/auto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

SPECIFICATIONS

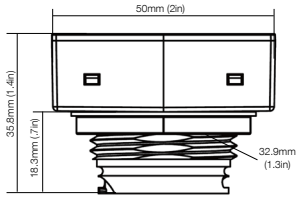
SENSOR TYPE:	Passive Infrared Sensor (PIR)
WIRELESS STANDARDS:	Bluetooth SIG Mesh
INPUT VOLTAGE:	12-24VDC, >50mA
CONTROL OUTPUT:	0-10V
OPERATING TEMP:	-40°F ~ +158°F (-40°C ~ +70°C)
COMMISSIONING RANGE:	50FT
BLUETOOTH RANGE:	Integral antenna up to 100FT
DETECTION ANGLE:	Vertical 90° x Horizontal 360°
MOUNTING HEIGHT:	8 - 40FT
WARRANTY:	5 years
IP RATING:	IP65

DIMENSIONS

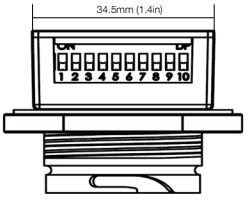
BOTTOM VIEW



SIDE VIEW

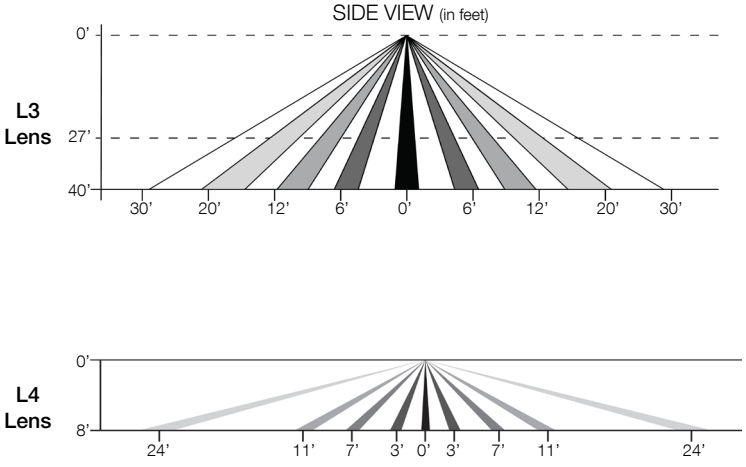


SIDE VIEW WITH DIPSWITCH

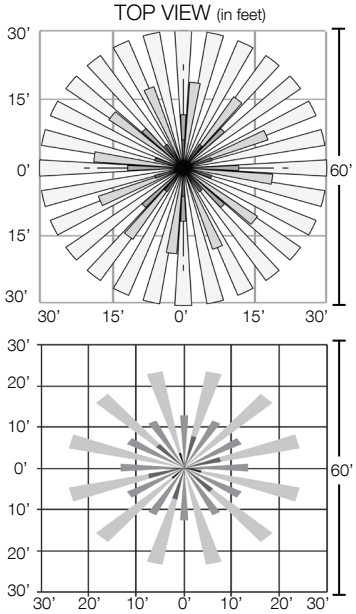


COVERAGE PATTERNS

SIDE VIEW (in feet)



TOP VIEW (in feet)



ALS CONTROL

CONTROL-BLE-SK104-PH BLUETOOTH CONTROLER

Client:
Project:
Type:
Quantity:

FEATURE

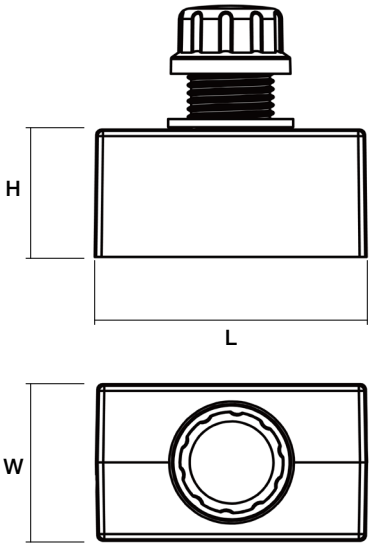
- **Installation:** Factory / Jobsite install through 1/2” knockout hole, 12V AUX power required
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** High-End Trim, Zoning, Continuous Bi-level Dimming
- **CCT Tuning:** CCT Tuning feature for Dual/Multi-CCT LED board fixture only
- **Sensor:** Photocell
- **Zone Control:** Zoning and Grouping control, Scheduling



SPECIFICATIONS

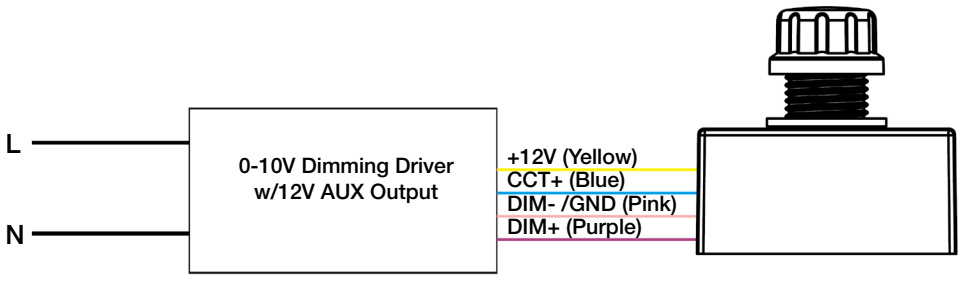
SENSOR TYPE:	Photocell
WIRELESS STANDARDS:	5.0 Bluetooth Mesh
INPUT VOLTAGE:	12-14VDC, >50mA
CONTROL OUTPUT:	0-10V
OPERATING TEMP:	-40°F ~ +158°F (-40°C ~ +70°C)
COMMISSIONING RANGE:	50FT
BLUETOOTH RANGE:	100FT
DETECTION ANGLE:	360°
WARRANTY:	5 years
IP RATING:	IP65

DIMENSIONS



L	H	W
1.14” (29mm)	0.94” (24mm)	1.97” (50mm)

WIRING DIAGRAM



c UL us LISTED

Quick ship

Download on the App Store

GET IT ON Google Play