Client:
Project:
Type:
Quantity:

WPA G2 SERIES SELECTABLE FULL-CUTOFF WALL



CONSTRUCTION

Decorative die-cast aluminum housing and door. Rugged design protects internal components and provides excellent thermal management.
Door assembly hinges to side, cast aluminum housing with three 1/2" conduit entries (on top and 2 sides), for surface conduit.

OPTICS

Full cut-off distribution conform to dark sky requirement - individual acrylic LED optics provide IES Type IV distribution.
CCT selectable light engine available with 3000K ~ 5000K (70CRI).

ELECTRICAL

70+ CRI Lumileds LED.
WPA-G2-70 output selectable available with 28W / 42W / 56W / 70W.
WPA-G2-125 output selectable available with 50W / 75W / 100W / 125W.
-40°C up to 45°C (-40°F up to 113°F) maximum operating temperature.
>54,000 hr LED at L70.
Driver operates at 120-277V input, 50/60Hz, <20% THD, 0.9 power factor.
Optional 10kV surge protector.
Optional 347V / 480V Driver.
Optional Self-Diagnostic emergency back up.

SENSORS (OPTIONAL)

SENSOR-820 Integral PIR on/off/dimming/photosensing.
SENSOR-823 Integral PIR on/off/dimming/photosensing.
SENSOR-BLE-619 Integral PIR ALS Control bluetooth/on/off/dimming/photosensing.
CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.
CONTROL-BLE-SK104-PH ALS Control Bluetooth Fixture Controller.

MOUNTING

Wall mount over electrical box or via surface conduit.

STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

CUSTOM FINISH

Corrosion resistant Black, Graphite Metallic, Gray, Silver, and White, or custom RAL#

CERTIFICATION

Wet Location Listed.
Meets Buy America Act requirements.
Option for "BABAA" compliance upon request.
IDA compliant: with 3000K color temperature selection.
Title 24 compliant; see local ordinance for qualification information.
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.

SHIPPING DATA

Product	Measurement	Weight
WPA-G2-70	16"L x 9"W x 10"H	8 lb
WPA-G2-125	16"L x 9"W x 10"H	8 lb

WPA G2 SERIES SELECTABLE FULL-CUTOFF WALL

ORDER INFORMATION

EXAMPLE: WPA G2 70 SC FC DB UNVD

Fixture	Series	Power & LM	CCT	Distribution	Finish	Input
	WPA-G2		SC	FC		

Accessories
Options

A SERIES

WPA-G2	Selectable Full Cutoff Wall Pack Generation 2

B POWER & LM

Code	Power	LM
70	Selectable 28W / 42W / 56W / 70W	4,400lm ~ 11,000lm
125	Selectable 50W / 75W / 100W / 125W	7,600lm ~ 19,000lm

C CCT

SC	Selectable 3000K / 4000K / 5000K

D DISTRIBUTION

FC	Full Cutoff

E FINISH

Standard

DB	Dark Bronze

Custom Color

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

F INPUT

UNVD-P	120-277V, 0-10V dimming, with photocell
HVLD-P	347-480V, 0-10V dimming, with photocell

G ACCESSORIES/OPTIONS

BAA	Assembled in America, compliant with BAA (COTS)
BABAA	Build America, Buy America Act (BABAA) Compliant / Made with Hi-Lumen Housing Only
EMB-8W-B*	90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output
EMB-18W-B*	90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output
EMB-18W-C-B*	90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output -20°C-50°C (-4°F-122°F)
REMOTE-RC100	Handheld Remote Commissioning Tool for SENSOR-823, 820 Series
SENSOR-820*	Integral PIR on/off/dimming/photosensing (120-480V)
SENSOR-823-D-L3 / L4*	Integral PIR on/off/dimming/photosensing (120-277V) / **L3:** up to 40FT, **L4:** up to 8FT
SENSOR-BLE-619-L3 / L4*	Integral PIR Bluetooth Daylight Sensor (ALS Control Mobile App) / **L3:** up to 40FT, **L4:** up to 8FT
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 (12V DC Power by Driver)
CONTROL-BLE-SK104-PH*	AVI-ON Bluetooth Mesh Control System

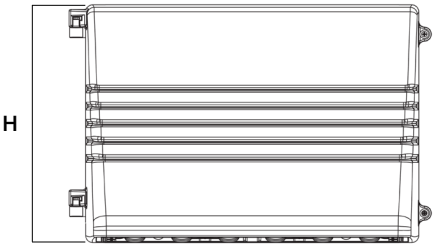
*see page 5 and 6 for spec

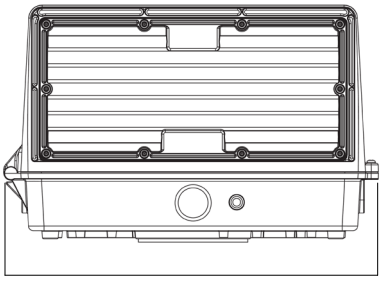
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Specifications are subject to change without notice

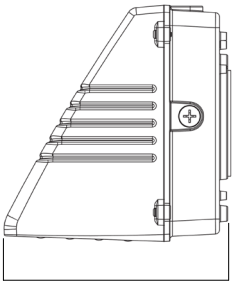
WPA G2 SERIES SELECTABLE FULL-CUTOFF WALL

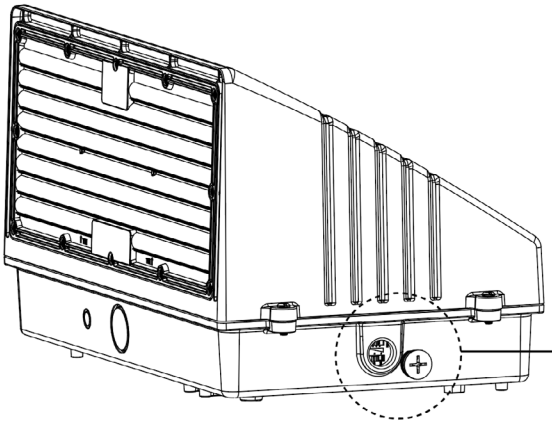
DIMENSIONS

Model	L	W	H
WPA-G2-70	14.2" (361mm)	8.7" (223mm)	9.2" (235mm)
WPA-G2-125	14.2" (361mm)	8.7" (223mm)	9.2" (235mm)





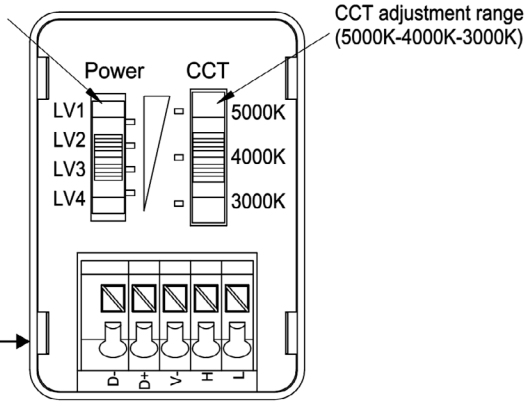




Dip Switch located in back box

Power adjustment range

POWER		
LV1	70W	125W
LV2	56W	100W
LV3	42W	75W
LV4	28W	50W



Power and CCT dial switch

WPA G2 SERIES SELECTABLE FULL-CUTOFF WALL

PERFORMANCE DATA

SYSTEM WATTS	LENS	3000K			4000K			5000K		
		LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING
WPA-G2-70 @ 28W	FC	4437	155	B2-U0-G1	4806	188	B2-U0-G1	4701	167	B2-U0-G1
WPA-G2-70 @ 42W	FC	6424	152	B2-U0-G1	7059	166	B2-U0-G1	6898	162	B2-U0-G1
WPA-G2-70 @ 56W	FC	8286	147	B2-U0-G1	9154	163	B3-U0-G1	8706	155	B3-U0-G1
WPA-G2-70 @ 70W	FC	9956	143	B3-U0-G1	11096	160	B3-U0-G1	10206	143	B3-U0-G1
WPA-G2-125 @ 50W	FC	7602	152	B2-U0-G1	8220	164	B2-U0-G1	8154	160	B2-U0-G1
WPA-G2-125 @ 75W	FC	11089	147	B3-U0-G1	12109	162	B3-U0-G1	11708	156	B3-U0-G1
WPA-G2-125 @ 100W	FC	14279	142	B3-U0-G2	15712	157	B3-U0-G2	15282	151	B3-U0-G2
WPA-G2-125 @ 125W	FC	17132	138	B3-U0-G2	19099	153	B3-U0-G2	18113	144	B3-U0-G2

PERFORMANCE DATA / DLC CODE

SYSTEM WATTS	CCT	VOLTAGE	LUMEN	LPW	QTY ON PALLET	PART NUMBER	DLC PRODUCT ID / ORDER CODE	DLC CLASS
WPA-G2-70	3000K ~ 5000K	120-277V	11097	158	96	WPA-G2-70SCFC-[DB, BK, WH][UNVD]-[Blank, P]	S-GJQBT5	DLC 5.1 Premium
WPA-G2-125	3000K ~ 5000K	120-277V	19099	153	96	WPA-G2-125SCFC-[DB, BK, WH][UNVD]-[Blank, P]	S-X7X7NC	DLC 5.1 Premium

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WPA G2 SERIES SELECTABLE FULL-CUTOFF WALL

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-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-LVFA (see page 9 for detail)	-	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App
CONTROL-BLE-SK104-PH (see page 11 for detail)	Fixture Controller	-	-	12VDC	Bluetooth Mesh On/Off/Dimming Scheduling CCT Tuning	ALS Control Bluetooth Mobile Control


SENSOR-823


SENSOR-820


SENSOR-BLE-619

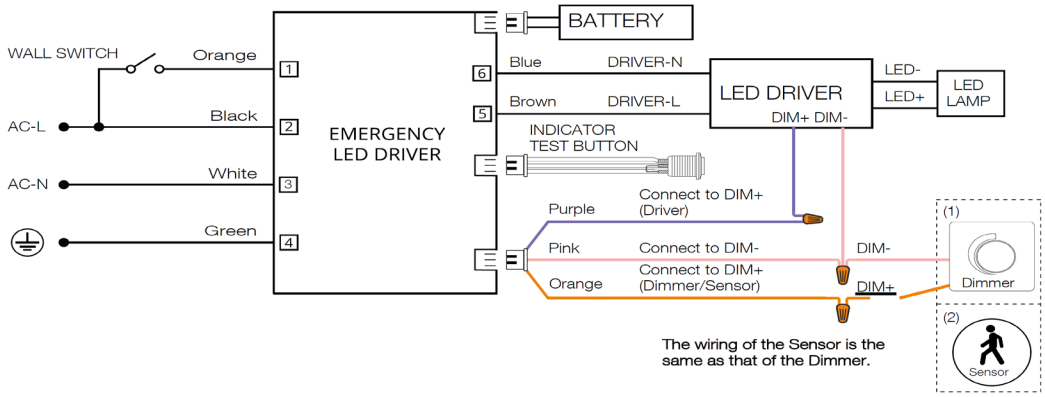

CONTROL-LVFA


CONTROL-BLE-SK104-PH

WPA G2 SERIES SELECTABLE FULL-CUTOFF WALL

EMB SPEC

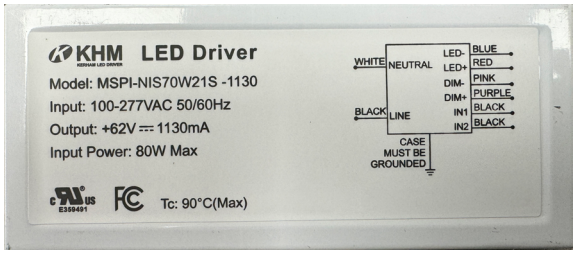
Model	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
EMB-8W-B	90mins	100-347VAC	170VDC	8W	0°C ~ 50°C 32°F ~ 122°F	Factory or Field Install
EMB-18W-B	90mins	100-347VAC	170VDC	18W	0°C ~ 50°C 32°F ~ 122°F	Factory or Field Install
EMB-18W-C-B	90mins	100-347VAC	170VDC	18W	-20°C ~ 50°C -4°F ~ 122°F	Factory or Field Install

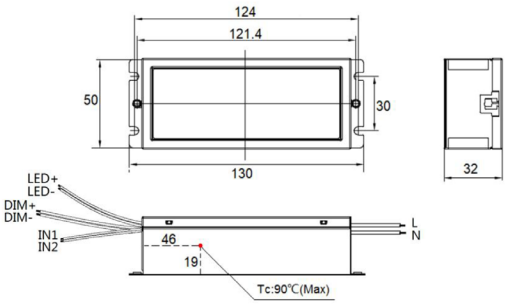


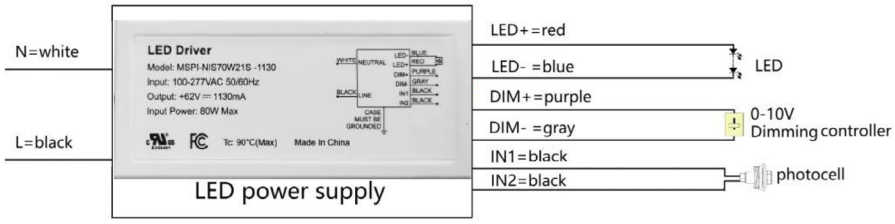
WPA G2 SERIES SELECTABLE FULL-CUTOFF WALL

DRIVER SPECIFICATION

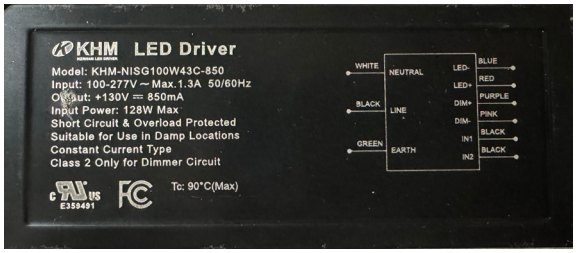
WPA-G2-70 Driver Spec
- Input: 100-277Vac / 347~480Vac
- Output Wattage: 80W Max
- Output Voltage: 63Vdc Max
- Output Current: 1130mA Max
- Power Factor: 0.91
- THD: 17% MAX
- Dimming: 0-10V Dim to Off
- AUX Output: 12Vdc
- MAX Temp: 90°C

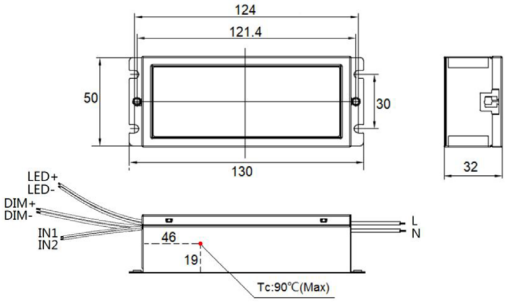


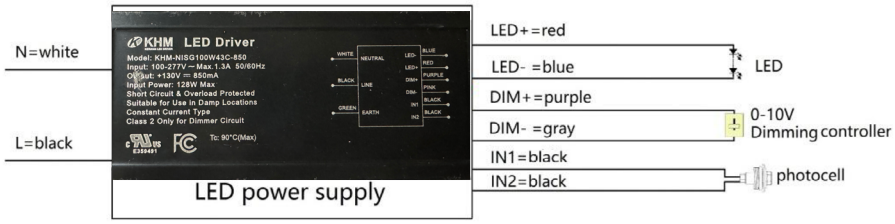




WPA-G2-125 Driver Spec
- Input: 100-277Vac / 347~480Vac
- Output Wattage: 128W Max
- Output Voltage: 130Vdc Max
- Output Current: 850mA Max
- Power Factor: 0.93
- THD: 17% MAX
- Dimming: 0-10V Dim to Off
- AUX Output: 12Vdc
- MAX Temp: 90°C







WPA G2 SERIES SELECTABLE FULL-CUTOFF WALL

EMB SPECIFICATION

CONSTRUCTION

Red Metal Casing with seperate external battery with quick connector.



ELECTRICAL

Universal Input: 100 ~ 347V AC, 50/60Hz
Input Current: 150mA
Recharge Power: 10W
Output Voltage: 170V DC
Surge Protection: Line-Neutral 3KV
Emergency Power: 8W / 18W
Standard Operating Temperature: **EMB-8W-B** / **EMB-18W-B**: 5°C ~ 50°C (41°F ~ 122°F) / **EMB-18W-C-B**: -20°C ~ 50°C (-4°F ~ 122°F)
Recharge Time: 24 Hours
Discharge Time: 90 Mins
Smart battery built-in over temperature, over charge, over discharge protections.

Self Diagnostic Li-ion Battery

The integrated Self- Diagnostic circuitry will automatically conduct monthly 30-second and annual 90-minute tests to verify proper emergency capability per Life Safety Code requirements.

NFPA 101, Life Safety Code Outlines the following schedule:

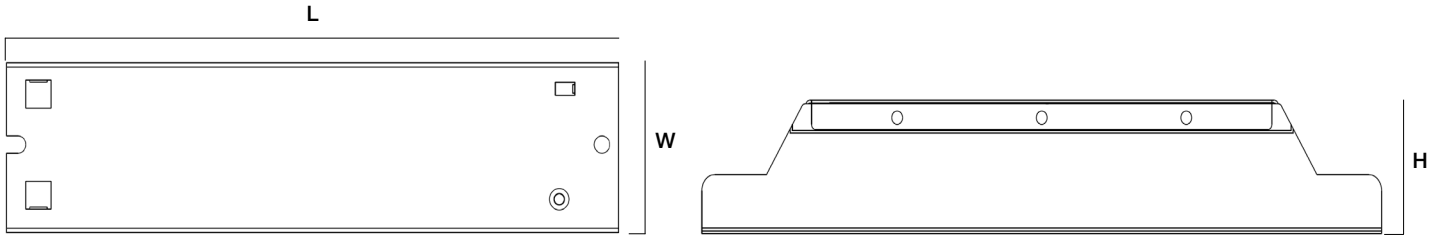
Monthly- During AC mode, the system conducts a (30)seconds self-discharge test of the emergency led driver every 30 days. And automatically restore to normal charging after (30)seconds dis-charged.

Annually- During AC mode, the system conducts a (90)minutes self-discharge test of the emergency led driver every 365 days. And automatically restore to normal charging after fully dis-charged.

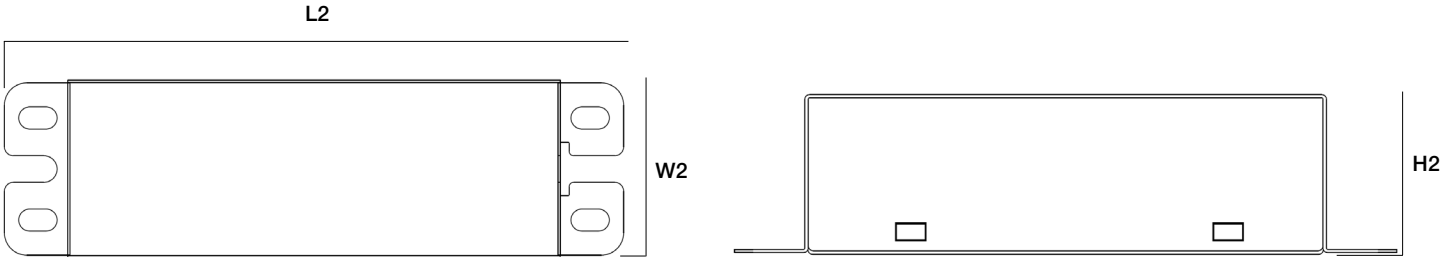
DIMENSIONS

MODEL	L	L2	W	W2	H	H2
EMB-8W-B	7.32" (186mm)	4.25" (108mm)	1.50" (38mm)	1.63" (42mm)	0.99" (25mm)	0.99" (25mm)
EMB-18W-B	7.32" (186mm)	7.07" (179mm)	1.50" (38mm)	1.63" (42mm)	0.99" (25mm)	0.99" (25mm)
EMB-18W-C-B	7.32" (186mm)	7.07" (179mm)	1.50" (38mm)	2.27" (58mm)	0.99" (25mm)	1.29" (33mm)

DRIVER



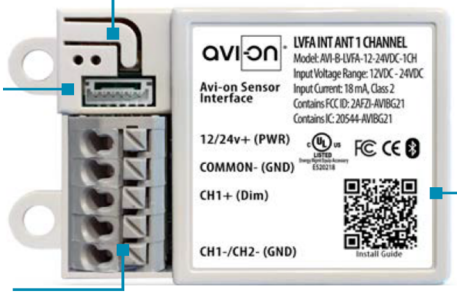
BATTERY



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WPA G2 SERIES SELECTABLE FULL-CUTOFF WALL

CONTROL-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

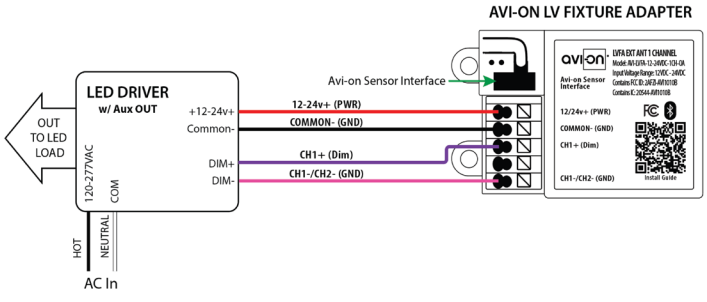
SPECIFICATIONS

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)

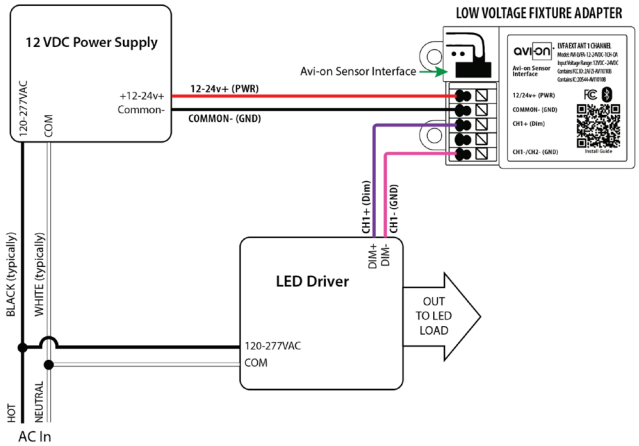
RADIO FREQUENCY:	2.4GHz
WIRELESS STANDARD:	BLE 4.2 with Mesh
POINT TO POINT RANGE*:	80ft with obstructions 350ft unobstructed
SECURITY:	AES 128-bit encryption for device to device communication AES 256-bit encryption for device to cloud communication
WARRANTY:	5 years; 10 years optional
REGULATORY:	FCC: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

Client:
Project:
Type:
Quantity:

FEATURE



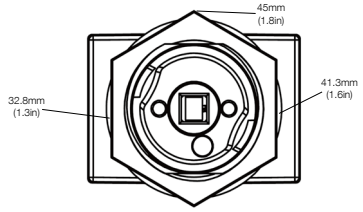
- **Installation:** Factory Install - Sensor integral to fixture, lens external
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Hold time, High-Low setting, continuous Bi-level dimming, manual/auto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

SPECIFICATIONS

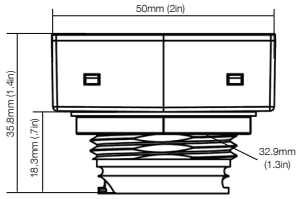
SENSOR TYPE:	Passive Infrared Sensor (PIR)
WIRELESS STANDARDS:	Bluetooth SIG Mesh
INPUT VOLTAGE:	12-24VDC, >50mA
CONTROL OUTPUT:	0-10V
OPERATING TEMP:	-40°F ~ +158°F (-40°C ~ +70°C)
COMMISSIONING RANGE:	50FT
BLUETOOTH RANGE:	Integral antenna up to 100FT
DETECTION ANGLE:	Vertical 90° x Horizontal 360°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

DIMENSIONS

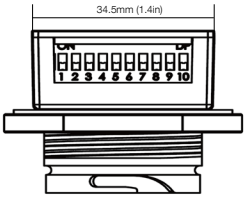
BOTTOM VIEW



SIDE VIEW

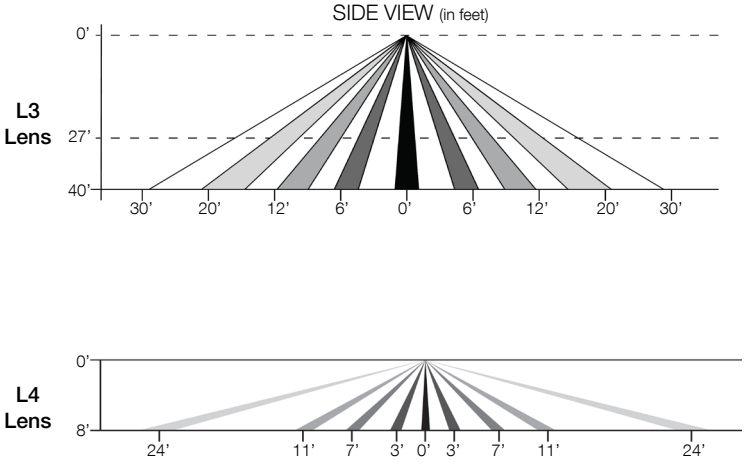


SIDE VIEW WITH DIPSWITCH

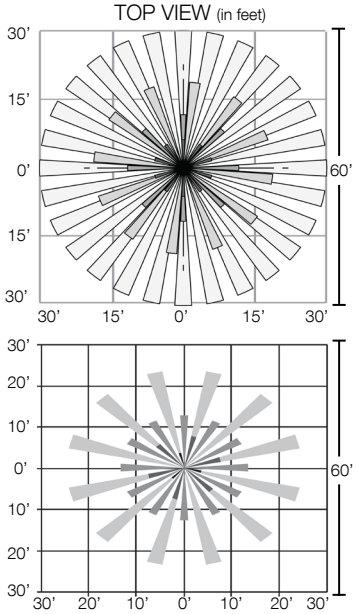


COVERAGE PATTERNS

SIDE VIEW (in feet)



TOP VIEW (in feet)



ALS CONTROL

CONTROL-BLE-SK104-PH BLUETOOTH CONTROLER

Client:
Project:
Type:
Quantity:

FEATURE

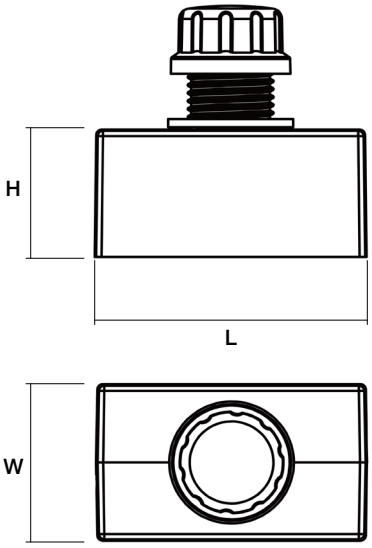
- **Installation:** Factory / Jobsite install through 1/2” knockout hole, 12V AUX power required
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** High-End Trim, Zoning, Continuous Bi-level Dimming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



SPECIFICATIONS

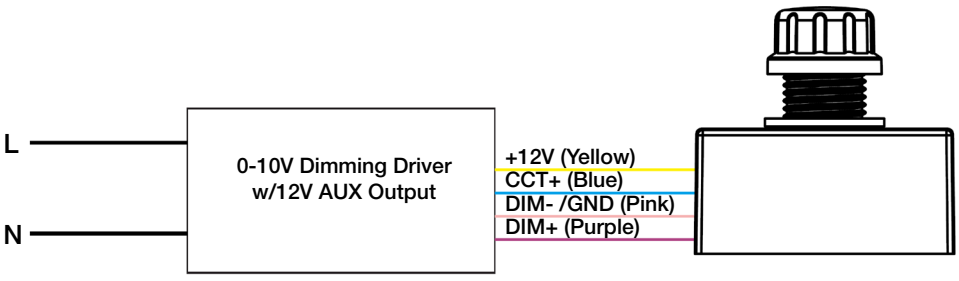
SENSOR TYPE:	Photocell
WIRELESS STANDARDS:	5.0 Bluetooth Mesh
INPUT VOLTAGE:	12-14VDC, >50mA
CONTROL OUTPUT:	0-10V
OPERATING TEMP:	-40°F ~ +158°F (-40°C ~ +70°C)
COMMISSIONING RANGE:	50FT
BLUETOOTH RANGE:	100FT
DETECTION ANGLE:	360°
WARRANTY:	5 years
IP RATING:	IP65

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