



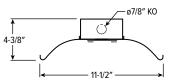


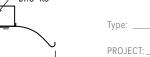
FEATURES

- For light industrial applications and low to medium mounting heights
- Diverse selection of mounting accessories for surface and suspended applications
- One quarter-turn fastener secures reflector and housing
- Channel connector furnished for continuous row applications (8' only)
- High-performance up to 164 lm/W ÷ Optional wireguard provides added
- protection Wireless in-fixture control solutions
- available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING OR REFLECTOR 22-gauge die-formed C.R.S.
- FINISH 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL High-quality mid-power LED boards. 40°C maximum ambient operating temperature. 50°C maximum ambient operating temperature with HA Option, lumen restrictions apply. L80 at 72,000 hours per IES TM-21. 50/60 Hz constant current driver.
- MOUNTING Surface or suspended.
- LISTINGS
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - UL 924 available, see Options. Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at
- hew.com/buy-american WARRANTY - 5-year limited warranty, see
- hew.com/warranty







ORDERING EXAMPLE: 80 - 4 - L53/840 - OPTIONS - CONTROL/DIM - UNV

CATALOG #: _

AIRCRAFT CABLES (EXAMPLE: ACFL/D48) [11]

Prefix	Туре		Length
	Feeder Joiner	D 1″ grid & hardpan N 9/16″ grid	24 24" 48 48"
ACJL/	Joiner	S Slot grid	96 96″

CONTROL [12]

SERIES LENGT

4 4'

8 8'

80

See page 5 for ADDITIONAL CONTROL OPTIONS.

AVI-LVFA

None Avi-on wireless fixture control [13] Avi-on wireless fixture control with PIR motion and daylight sensor, end mount^[14]

See page 5 for ADDITIONAL DRIVER OPTIONS.		
DIM	Driver with external	

DRIVER

- 0-10V dimming wires DRV Driver without external
- dimming wires DA

120 120V 277 277V **UNV** 120-277V

347 347V^[16]

VOLTAGE

- 480V with stepdown transformer ^[17] 480
- Driver with 12V auxiliary power, without external dimming wires ^[15]

NOTES

- Lumen output based on 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options. See page 3 for MOUNTING DETAILS.
- 25°C maximum ambient operating temperature when specified with EM battery.
- 25°C maximum ambient operating temperature when specified with EM battery. Specify in increments of 100 nominal lumens. Option must be 5
- specified with next higher lumen package.
- Two stem sets required. One additional stem set required for each row mounted fixture.
- Two stem sets required. One additional stem set required for each row mounted fixture.
- L77 max for 4', L154 max for 8'. Not available with EM batteries.
- L77 max for 4', L154 max for 8'. Not available with EM batterid
 See page 2 for QUICK-CONNECT OPTIONS.
 Maximum mounting height is 26.2' (8.0 m). Minimum lumen output is 400 lm/ft. See hew.com/UL924 for details.
 VBY hanger(s) included. Units specified with aircraft cable require cord. See page 3 for MOUNTING DETAILS.
 See page 3 for SENSOR PLACEMENT DETAILS. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
 DA Driver only.

- DA Driver only

- ¹⁵ Avi-on Controls only.
 ¹⁶ Not available with EM batteries or DA Driver.
 ¹⁶ Not available with EM batteries or DA Driver. ¹⁷ Not available with EM batteries or DA Driver.



AVI-LVFA-PIR-ELB



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)
	L32	3,331	20.3	164
रेन	L53	5,327	34.2	156
4	L77	7,780	51.4	151
	L115	11,512	73.1	157
	L65	6,663	40.5	165
ò	L106	10,654	66.4	160
[∞]	L154	15,411	100.2	154
	L230	23,024	146.1	158

 Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.

To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.

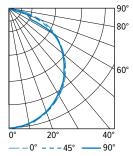
Use multiplier table to calculate additional options.

MULTIPLIER TABLE

	COLOR TEMPERATURE		
	ССТ	CONVERSION FACTOR	
	2700K	0.94	
~	3000K	0.96	
80 CRI	3500K	0.97	
õ	4000K	1.00	
	5000K	1.03	
	2700K	0.77	
~	3000K	0.79	
90 CRI	3500K	0.80	
	4000K	0.83	
	5000K	0.86	

PHOTOMETRY

80-4-L53-840-DIM-UNV Total Luminaire Output: 5327 lumens; 34.2 Watts | Efficacy: 156 lm/W | 80 CRI; 4000K CCT



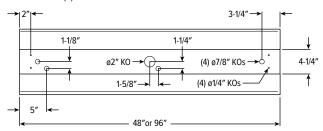
	VERTICAL HORIZONTAL ANGLE			ZONAL	
	ANGLE	0°	45°	90°	LUMENS
DISTRIBUTION	0	2002	2002	2002	
5	5	1978	1965	1981	188
	15	1893	1891	1876	535
ISI	25	1762	1742	1737	806
Ř	35	1568	1541	1536	967
No.	45	1330	1298	1294	1004
E.	55	1040	1017	1012	908
CANDLEPOWER	65	730	713	381	632
CA	75	359	200	38	254
	85	54	24	18	35
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
MM	0 - 30	1528	29
S	0 - 40	2495	47
EN	0 - 60	4407	83
ŝ	0 - 90	5327	100
	0 - 180	5327	100

FIXTURE DETAILS

BACKVIEW

8' fixture uses (2) 4' reflectors



QUICK-CONNECT OPTIONS

Note: Quick-connect wiring required for row mounting. All QC harnesses contain (5) 16ga conductors plus ground.

DESIGNATION	NUMBER OF 16GA WIRES FACTORY CONNECTED (EXCLUDING GROUND)	WIRE COLOR/POWER SUPPLY FACTORY CONNECTIONS	TYPICAL USE
QCBW	2	Black, White	On/off switching (DRV) or line voltage dimming (DIM LINE)
QCRW	2	Red, White	Alternating circuits on/off switching (DRV) or line voltage dimming (DIM LINE)
QCBRW	3	Black, Red, White	On/off switching (DRV) or line voltage dimming when equipped with EM battery packs
QCBW/PK	4	Black, White, Purple, Pink	Single circuit with 0-10V low voltage dimming (DIM)
QCRW/PK	4	Red, White, Purple, Pink	Alternating circuits on/off switching with 0-10V low voltage dimming (DIM)
QCBRW/PK	5	Black, Red, White, Purple, Pink	On/off switching when equipped with EM battery packs and 0-10V dimming (DIM)
QCBW/RPK	5	Black, White, Red, Purple, Pink	On/off switching with 0-10v dimming and 0-10v tunable using shared common
QCUU	N/A	N/A	QC harness passes through fixture, but is not connected to it

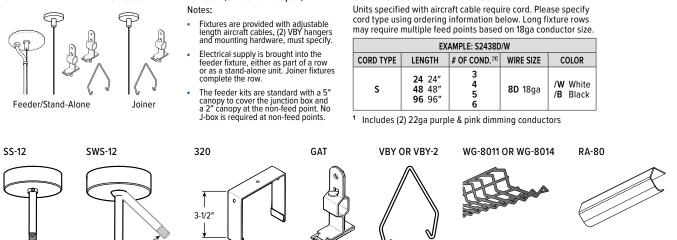




MOUNTING DETAILS

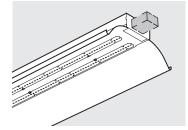
STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)

Up to 45°



CORD FOR SUSPENDED PRODUCT

SENSOR PLACEMENT DETAILS

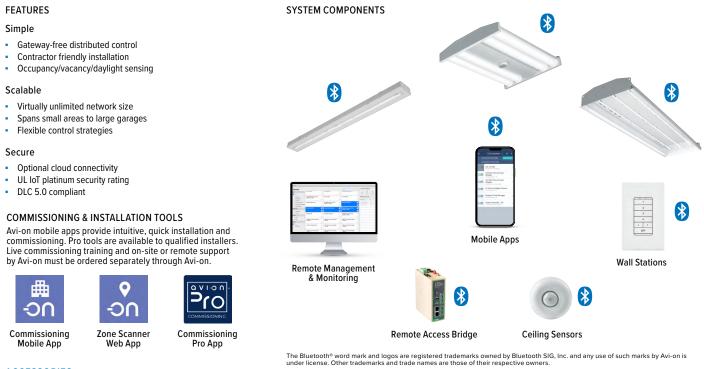


SEE NEXT PAGE FOR CONTROL DETAILS.



80 LED Standard Industrial

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS



ACCESSORIES

WALL STATIONS	
AVI-B-2401AC-1 Sce	ene controller - buttons numbered 1-4 and up/down/off, 120-277VAC
AVI-B-2402BAT-1 Sce	ene controller - buttons numbered 1-4 and up/down/off, battery powered
AVI-B-2401AC-2 Dir	mmer with presets - buttons with percentages and up/down/off, 120-277VAC
AVI-B-2402BAT-2 Dir	mmer with presets - buttons with percentages and up/down/off, battery powered
AVI-B-2401AC-3 Tw	vo button control on/off or hold to dim up/down, 120-277VAC
AVI-B-2402BAT-3 Tw	o button control on/off or hold to dim up/down, battery powered

AVI-RAB-LTE Remote access bridge		
AVI-RAB-LTE Remote access bridge AVI-NTM Network time manager with battery backup		
CEILING MOUNT SENSORS		
AVI-KIT-SEN-DUCM PIR motion and ultrasonic sensor kit AVI-KIT-SEN-ICM PIR motion and photocell sensor kit		

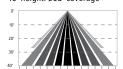
For load controllers and additional accessory info, see hew.com/avi-on

AVI-LVFA-PIR-ELB Avi-on wireless fixture control with PIR motion and daylight sensor, end mount. DA Driver only.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' - 45'
LENS	Single lens detects high and low bay motion.
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 70°C
RELATIVE HUMIDITY	90 to 95% at 30°C
COMMISSIONING	App (iOS or Android)
SYSTEM REQUIREMENTS	Avi-On wireless fixture controls plus desktop and mobile apps
MANUFACTURER	Avi-On
	Bluetooth* Lighting Controls

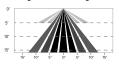
SENSOR COVERAGE PATTERNS







Small motion 15' height: ø28' coverage





SENSOR DETAIL



80 LED Standard Industrial

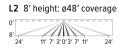
ADDITIONAL CONTROL OPTIONS

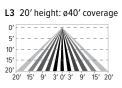
OCCWS-FSP-311B-L_-120/277 Wattstopper PIR motion and daylight sensor, 120/277V. Must specify lens: L2, L3, or L7

SPECIFICATIONS

TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' - 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	App (iOS or Android)

SENSOR COVERAGE PATTERNS





L7 40' height: ø100' coverage

30'

0′ 15′ 27'

40' 50' 9 15' 20'

30' 10' 0' 10'

50



25' height: ø60' coverage

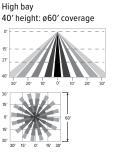
SENSOR DETAIL



OCCLV-OSFHU-ITW-120-347 Leviton PIR motion sensor, 120-347V.

SPECIFICATIONS	
ТҮРЕ	PIR Motion
MOUNTING HEIGHT	8' - 40'
LENS	Interchangeable high bay, low bay or aisle mask
DETECTION ANGLE	360°
TEMPERATURE RANGE	-10° to 71°C
RELATIVE HUMIDITY	20% to 90% non-condensing

SENSOR COVERAGE PATTERNS Low bay



SENSOR DETAIL



ADDITIONAL DRIVER OPTIONS

CATALOG NUMBER	DESCRIPTION
RV	Driver without external dimming wires prewired for non-dimming applications
MIM	Driver with external dimming wires prewired for 0-10V low voltage applications
DIM1	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Driver with 12V auxiliary power, without external dimming wires
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver