

CATALOG #: \_\_\_\_\_

Type: \_\_\_\_\_

PROJECT: \_\_\_\_\_

## FEATURES



- Low-profile wrap-around provides uniform downward light distribution and subtle side illumination
- Shallow depth provides sleek, low-profile appearance
- Mounts easily as a single fixture or in continuous row installations
- Diffuser is secured continuously along luminaire sides
- Wireway is accessible without the use of tools
- High-performance up to 120 lm/W
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING** – 20-gauge die-formed C.R.S. End plates constructed of 19-gauge die-formed C.R.S.
- SHIELDING** – Frosted prismatic acrylic diffuser with 15% DR additive, .100" nominal thickness. Prismatic bottom/continuous wrap sides.
- 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. L70 >50,000 hours.
- MOUNTING** – Surface or suspended.
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - Complies with the Buy American Act and other federal regulations. Request certification at [hew.com/baa](http://hew.com/baa).
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

## ORDERING EXAMPLE: 18 - 4 - L90/835 - AF - OPTIONS - CONTROL/DRV - UNV

### ORDERING INFO

SERIES	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING
18	4 4'	L90 9,000lm	8 80 9 90 <sup>[2]</sup>	30 3000K 35 3500K 40 4000K	AF Frosted prismatic acrylic diffuser

### OPTIONS <sup>[3]</sup>

<b>EM/10W (L__)</b>	10-watt emergency battery Additional lower lumen packages available. Example: 5,000 nominal lumens = 18-4-L90/835-AF-(L50). <sup>[5]</sup>
<b>GAT</b>	T-bar fastener for 320 ceiling spacer
<b>SS-12</b>	Single stem & canopy, 12" <sup>[6]</sup>
<b>SWS-12</b>	Stem & swivel canopy, 12" <sup>[7]</sup>

### CONTROL <sup>[4]</sup>

See page 5 for **ADDITIONAL CONTROL OPTIONS**.

–	None
<b>AVI-LVFA</b>	Avi-on wireless fixture control <sup>[8]</sup>
<b>AVI-LVFA-CS2-PIR</b>	Avi-on wireless fixture control with PIR motion and daylight sensor <sup>[9]</sup>
<b>AWNRR</b>	Lutron Athena wireless node integral fixture control, RF only <sup>[10]</sup>
<b>AWNS</b>	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing <sup>[11]</sup>

### DRIVER

See page 5 for **ADDITIONAL DRIVER OPTIONS**.

DRIVER	VOLTAGE
<b>DIM</b> Driver with external dimming wires	<b>120</b> 120V
<b>DRV</b> Driver without external dimming wires	<b>277</b> 277V
<b>DA</b> Driver with 12V auxiliary power, without external dimming wires <sup>[12]</sup>	<b>UNV</b> 120-277V
<b>DSR</b> Sensor-ready driver without external dimming wires (D4i DALI-2). <sup>[13]</sup>	<b>347</b> 347V <sup>[14]</sup>

## NOTES

- Lumen output based on 80 CRI/3500K CCT. Actual lumens may vary +/-5%. See page 2 for **FIXTURE PERFORMANCE DATA**. Additional lumen packages available, see options.
- Extended lead times may apply. Consult factory for availability.
- See page 3 for **FINISH OPTIONS**. Custom colors available upon request. See page 2 for **MOUNTING DETAILS**.
- See page 3 for **SENSOR & NODE PLACEMENT DETAILS**. See page 4 for **AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS**.
- Specify in increments of 100 nominal lumens. Option must be 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.
- DA Driver only.
- DA Driver only.
- DA and DSR Drivers only.
- DA and DSR Drivers only.
- Avi-on and Lutron Athena Controls only.
- Lutron Athena Controls only.
- Not available with EM batteries, DA or DSR drivers.



## FIXTURE PERFORMANCE DATA

	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L90	9001	72.5	124

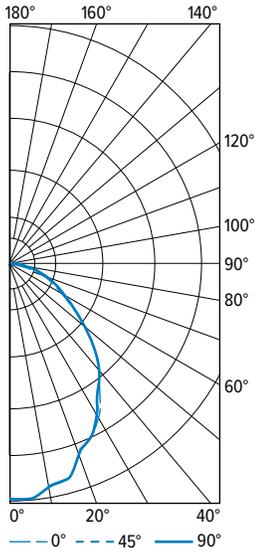
## MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
3000K	0.99
3500K	1.00
4000K	1.03
80 CRI	
3000K	0.82
3500K	0.83
4000K	0.86

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

## PHOTOMETRY

18-4-L90/835-AF-DRV-UNV Report #: 19283.0; 03/23/16 | Total Luminaire Output: 9001 lumens; 72.5 Watts | Efficacy: 124.1 lm/W | 80 CRI; 3500K CCT

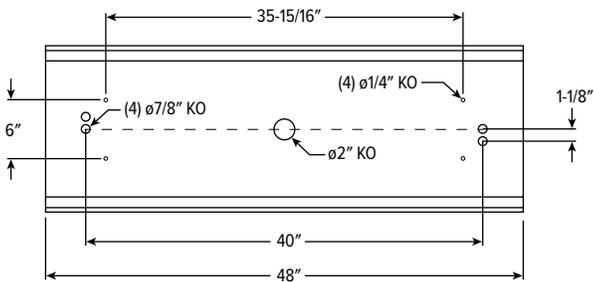


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3873	3873	3873	
5	3819	3815	3813	364
15	3666	3655	3649	1037
25	3152	3126	3104	1447
35	2556	2525	2493	1585
45	1953	1934	1921	1499
55	1298	1311	1339	1108
65	784	827	892	826
75	382	458	540	487
85	112	199	289	222
90	4	82	145	
95	0	67	121	71
105	2	65	99	61
115	6	60	84	53
125	22	63	84	51
135	24	56	76	42
145	35	56	73	36
155	35	52	56	24
165	37	48	48	13
175	41	43	41	4
180	39	39	39	

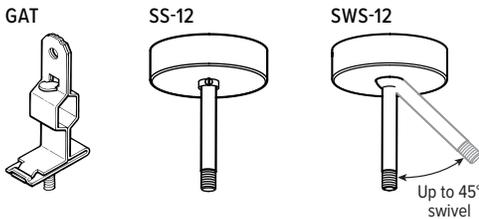
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2848	32
0 - 40	4433	49	
0 - 60	7112	79	
0 - 90	8647	96	
90 - 120	185	2	
90 - 150	314	4	
90 - 180	354	4	
0 - 180	9001	100	

## FIXTURE DETAILS

### BACKVIEW

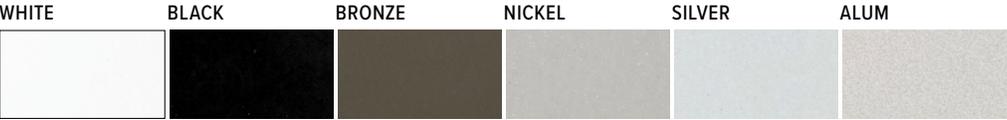


## MOUNTING DETAILS



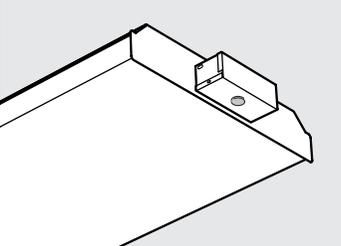
# 18 LED Wide Low-Profile Wrap

## FINISH OPTIONS



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

## SENSOR & NODE PLACEMENT DETAILS



SEE NEXT PAGE FOR CONTROL DETAILS

# 18 LED Wide Low-Profile Wrap

## AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

### FEATURES

#### Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

#### Scalable

- Virtually unlimited network size
- Spans small offices to large warehouses
- Flexible control strategies

#### Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

### COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.



Commissioning Mobile App



Zone Scanner Web App



Commissioning Pro App

### SYSTEM COMPONENTS



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### ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge – LTE connection
AVI-2001RAB-01-C	Remote access bridge – Wifi connection
AVI-KIT-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

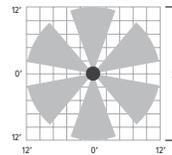
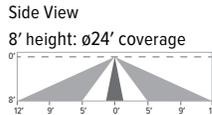
For load controllers and additional accessory info, see [hew.com/avi-on](http://hew.com/avi-on)

### AVI-LVFA-CS2-PIR Avi-on wireless fixture control with PIR motion and daylight sensor. DA Driver only.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 10'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 50°C
RELATIVE HUMIDITY	10 to 80% non-condensing
IP RATING	IP20
MANUFACTURER	Avi-On

### SENSOR COVERAGE PATTERNS



### SENSOR DETAIL



Dimensions: 13/16" x 2-1/4"



## ADDITIONAL CONTROL OPTIONS

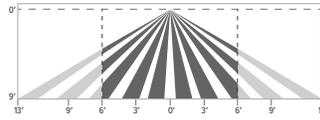
**AWNS** Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DA and DSR Drivers only.

SPECIFICATIONS	
TYPE	Radio Frequency
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Clear Connect gateway – Type X with app (iOS or Android)
MANUFACTURER	Lutron



### SENSOR COVERAGE PATTERNS

9' height: ø12' coverage



Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8'	114
9'	144
10'	178
12'	256

### SENSOR DETAIL



Dimensions: ø1-1/8"

## ATHENA CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
AWNDR	Lutron Athena wireless node integral fixture control, RF only, for use with D4i DALI-2 or driver with 12V auxiliary power.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with D4i DALI-2 or driver with 12V auxiliary power.
AWNDR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with D4i DALI-2 or driver with 12V auxiliary power, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with D4i DALI-2 or driver with 12V auxiliary power, black finish.

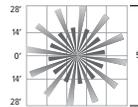
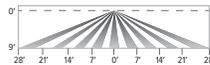
**OCCSS LSXR-10-120-277** Sensor Switch PIR motion sensor, 120-277V

**OCCSS LSXR-10-347/480** Sensor Switch PIR motion sensor, 347/480V

SPECIFICATIONS	
TYPE	PIR Motion
MOUNTING HEIGHT	7' – 15'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-10° to 60°C
RELATIVE HUMIDITY	Up to 90% non-condensing

### SENSOR COVERAGE PATTERNS

9' height: ø56' coverage



### SENSOR DETAIL



## ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder).

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver 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
DSR	Sensor-ready driver (D4i DALI-2)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

