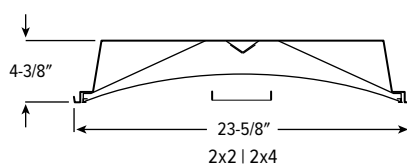


# AT3<sup>LED</sup> Architectural Troffer – Straight Floating Center



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

TYPE: \_\_\_\_\_

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



## FEATURES

- Backlit curved lens provides uniform illumination for visual comfort
- Distinct straight floating center detail creates a highly-aesthetic presence
- Sleek, extruded center complements MX4 continuous light series
- HE option delivers superior efficacies up to 146 lm/W
- Hinged door frame with optical assembly swings down to allow easy access from room side of fixture
- Diffuse or perforated lens options enhance the space
- Optional gasketed acrylic lens helps protect against contaminants
- Anti-microbial finish option suppresses the spread of dangerous micro-organisms, mold, and bacterial growth
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING** – Precision die-formed 22-gauge C.R.S.
- DOOR FRAME** – Hinged, flat, extruded aluminum door frame with optical assembly.
- SHIELDING** – Diffuse molded acrylic lens with center detail.
- FINISH** – 95% 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 >60,000 hours per IES TM-21. L80 > 102,000 hours with HE option. 50/60 Hz constant current driver.
- MOUNTING** – NEMA Type “G” 15/16” or 1” grid standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. Drywall flange kit available, see options.
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - IC-rated for direct contact with insulation.
  - City of Chicago Environmental Air approved when specified with CP option.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at [hew.com/buy-american](http://hew.com/buy-american)
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty)

## ORDERING EXAMPLE: AT3 - 2 4 - L70/835 - D - OPTIONS - CONTROL/DIM - UNV

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING
AT3	1' <sup>[2]</sup>	2' 2"	1x4	8 80	27 2700K	D Diffuse matte acrylic center
		4' 4"	L30 3,000lm	9 90	30 3000K	P Perforated center <sup>[3]</sup>
	2' 2"	4' 4"	L50 5,000lm		35 3500K	
			L63 6,300lm		40 4000K	
	2x2	4' 4"	L30 3,000lm		50 5000K	
			L40 4,000lm			
	2x4	4' 4"	L50 5,000lm			
			L40 4,000lm			
	2x4	4' 4"	L55 5,500lm			
			L70 7,000lm			
	2x4	4' 4"	L100 10,000lm			

## OPTIONS

<b>EM/10W</b>	10-watt emergency battery <sup>[5]</sup>
<b>EM/10WLP</b>	Low-profile 10-watt emergency battery <sup>[6]</sup>
<b>EM/12W</b>	12-watt emergency battery <sup>[7]</sup>
<b>EQCLIPS</b>	Earthquake clips <sup>[8]</sup>
<b>(L___)</b>	Additional lower lumen packages available <sup>[9]</sup> Example: 5,000 nominal lumens = AT3-24-L55/835-D-(L50).
<b>HE</b>	High efficacy lumen package <sup>[10]</sup>
<b>SS</b>	Sani-shield acrylic cover with double gasket <sup>[11]</sup>
<b>SS/PC</b>	Sani-shield polycarbonate cover with double gasket <sup>[12]</sup>
<b>AMW</b>	Anti-microbial white finish
<b>NEMA F</b>	Flange kit, factory installed <sup>[13]</sup>
<b>CP</b>	Chicago Plenum (CCEA)

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

See page 5 for ADDITIONAL CONTROL OPTIONS.

–	None
<b>AVI-LVFA</b>	Avi-on wireless fixture control <sup>[14]</sup>
<b>AVI-LVFA-CS2-PIR</b>	Avi-on wireless fixture control with PIR motion and daylight sensor <sup>[15]</sup>
<b>AWN R</b>	Lutron Athena wireless node integral fixture control, RF only <sup>[16]</sup>
<b>AWN S</b>	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing <sup>[17]</sup>

## DRIVER

See page 5 for ADDITIONAL DRIVER OPTIONS.

<b>DIM</b>	Driver with external 0-10V dimming wires
<b>DRV</b>	Driver without external dimming wires
<b>DA</b>	Driver with 12V auxiliary power, without external dimming wires <sup>[18]</sup>
<b>DSR</b>	Sensor-ready driver without external dimming wires (D4i DALI-2) <sup>[19]</sup>

## VOLTAGE

<b>120</b>	120V
<b>277</b>	277V
<b>UNV</b>	120-277V
<b>347</b>	347V <sup>[20]</sup>

## NOTES

- Lumen output based on D Shielding, 80 CRI/3500K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see Options.
- 4' length only.
- Decreases lumen output by 15%
- See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS. See page 3 for SENSOR & NODE PLACEMENT DETAILS.
- 2x2, 2x4 only.
- 1x4 only.
- 2x2, 2x4 only. Not available when CEC regulations are required.
- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting. Not available with NEMA F Option.

- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Not available with 90 CRI or 2x4 L40 lumen package. See page 2 for FIXTURE PERFORMANCE DATA.
- Reduces lumen output by 10%. See page 3 for FIXTURE DETAILS.
- Reduces lumen output by 10%. See page 3 for FIXTURE DETAILS.
- See page 3 for CROSS SECTIONS.
- DA Driver only.
- DA Driver only.
- DA and DSR Drivers only.
- DA and DSR Drivers only.
- Avi-on and Lutron Athena Controls only.
- Lutron Vive and Athena Controls only.
- Not available with EM batteries, DA, or DSR drivers.



# AT3<sup>LED</sup> Architectural Troffer – Straight Floating Center

## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	STANDARD		HE OPTION <sup>(1)</sup>	
			WATTAGE	EFFICACY (lm/W)	WATTAGE	EFFICACY (lm/W)
1x4	L30	2816	29.5	95	20.6	137
	L50	4702	48.3	97	35.8	131
	L63	5876	62.4	94	42.9	137
2x2	L30	2816	29.5	95	22.0	128
	L40	3831	37.2	103	29.5	130
	L50	4701	48.3	97	39.4	119
2x4	L40	3874	34.2	113	–	–
	L55	5302	48.0	110	36.7	145
	L70	6722	63.3	106	46.8	144
	L100	9720	86.9	112	66.7	146

<sup>1</sup> Not available with 90 CRI.

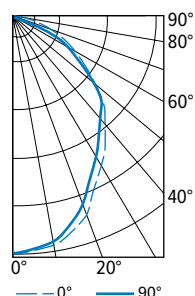
- Photometrics tested in accordance with IESNA LM-79. Results based on D shielding, 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.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

## MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89

## PHOTOMETRY

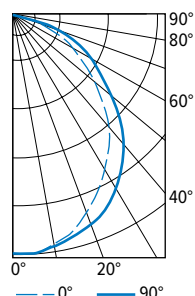
**AT3-14-L63/835-D-DIM-UNV** Total Luminaire Output: 5876 lumens; 62.4 Watts | Efficacy: 94.0 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2679	2679	2679	
5	2651	2643	2637	251
15	2510	2475	2444	697
25	2144	2081	2038	968
35	1786	1718	1691	1081
45	1450	1400	1387	1070
55	1000	976	939	871
65	655	635	469	582
75	319	227	208	281
85	88	61	45	75
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1916	33
	0 - 40	2997	51
	0 - 60	4938	84
	0 - 90	5876	100
	0 - 180	5876	100

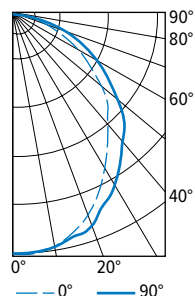
**AT3-22-L50/835-D-DIM-UNV** Total Luminaire Output: 4701 lumens; 48 Watts | Efficacy: 97 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1831	1831	1831	
5	1831	1822	1820	173
15	1719	1735	1762	490
25	1514	1590	1654	730
35	1253	1359	1461	852
45	984	1094	1191	838
55	696	820	892	716
65	431	546	613	532
75	214	313	332	305
85	48	41	30	64
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1393	30
	0 - 40	2246	48
	0 - 60	3800	81
	0 - 90	4701	100
	0 - 180	4701	100

**AT3-24-L70/835-D-DIM-UNV** Total Luminaire Output: 6722 lumens; 63 Watts | Efficacy: 106 lm/W | 80 CRI; 3500K CCT



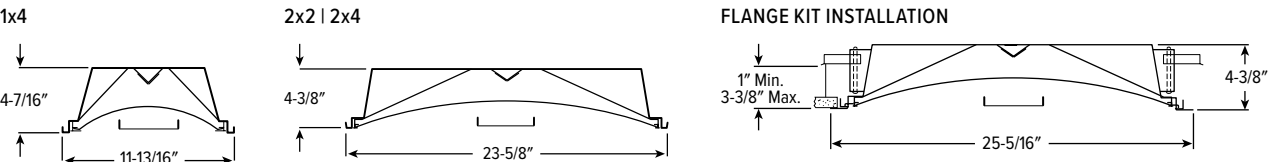
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2678	2678	2678	
5	2664	2665	2667	253
15	2514	2536	2569	715
25	2175	2246	2331	1038
35	1762	1886	2010	1182
45	1419	1587	1692	1192
55	981	1137	1210	1004
65	656	802	861	768
75	342	467	467	457
85	102	73	68	112
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2006	30
	0 - 40	3188	47
	0 - 60	5384	80
	0 - 90	6722	100
	0 - 180	6722	100



# AT3<sup>LED</sup> Architectural Troffer – Straight Floating Center

## CROSS SECTIONS

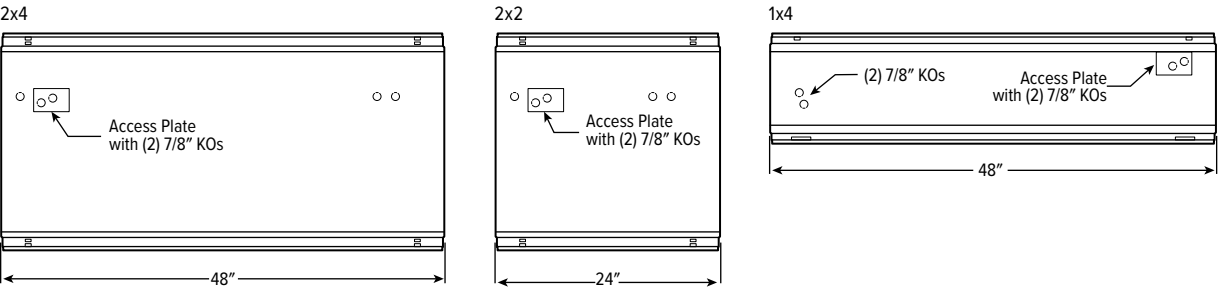


Maximum recommended ceiling opening is 24-3/8" x 24-3/8" for 2'x2' and 24-3/8" x 48-3/8" for 2'x4'. For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates.

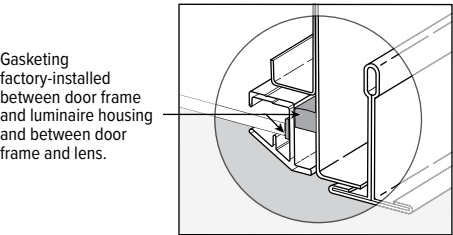
## FIXTURE DETAILS

See [hew.com/power-entry](http://hew.com/power-entry) for power entry details.

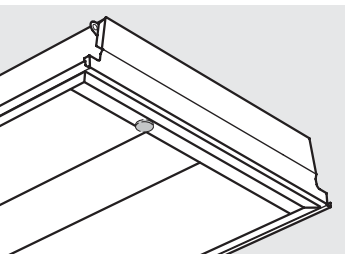
### BACKVIEW



### SS | SS/PC OPTIONS GASKETING DETAILS



## SENSOR & NODE PLACEMENT DETAILS



SEE NEXT PAGE FOR CONTROL DETAILS.



# AT3<sup>LED</sup> Architectural Troffer – Straight Floating Center

## AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

### FEATURES

#### Simple

- Gateway-free distributed control
- 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

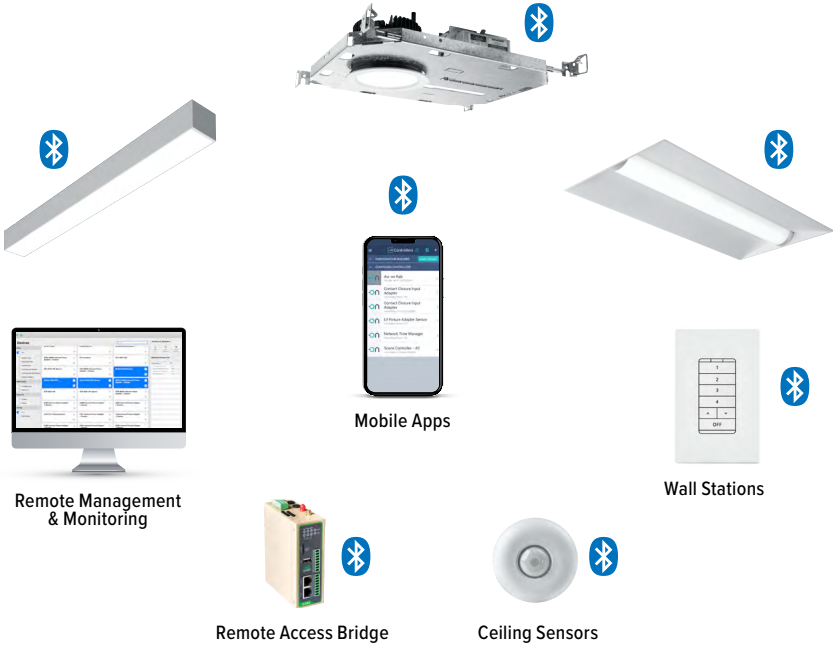


Zone Scanner  
Web App



Commissioning  
Pro App

### SYSTEM COMPONENTS



The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Avi-on is under license. Other trademarks and trade names are those of their respective owners.


### ACCESSORIES

WALL STATIONS	
AVI-B-2401AC-1	Scene controller - buttons numbered 1-4 and up/down/off, 120-277VAC
AVI-B-2402BAT-1	Scene controller - buttons numbered 1-4 and up/down/off, battery powered
AVI-B-2401AC-2	Dimmer with presets - buttons with percentages and up/down/off, 120-277VAC
AVI-B-2402BAT-2	Dimmer with presets - buttons with percentages and up/down/off, battery powered
AVI-B-2401AC-3	Two button control on/off or hold to dim up/down, 120-277VAC
AVI-B-2402BAT-3	Two button control on/off or hold to dim up/down, battery powered

NETWORK	
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

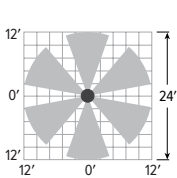
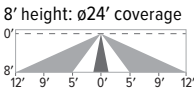
For load controllers and additional accessory info, see [hew.com/avi-on](http://hew.com/avi-on)

### 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

#### Side View



### SENSOR DETAIL



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



# AT3<sup>LED</sup> Architectural Troffer – Straight Floating Center

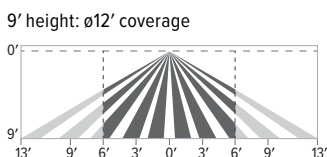
## ADDITIONAL CONTROL OPTIONS

**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



### Motion Sensor Coverage

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

### SENSOR DETAIL



Dimensions: ø1-1/8"

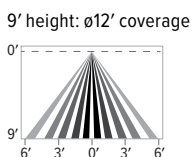
## ATHENA CONTROL OPTIONS

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.

**VDO** Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC). DSR or LDE Drivers only. LDE drivers require driver interface

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)
MANUFACTURER	Lutron

### SENSOR COVERAGE PATTERNS



### Motion Sensor Coverage

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

### SENSOR DETAIL



Dimensions: 2-11/16" x 1"

## VIVE CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
VRF	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver
VDO	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), for use with sensor-ready driver
VRF/DBI	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver
VDO/DBI	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver

## 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 without external dimming wires prewired for non-dimming applications
DIM	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
DSR	Sensor-ready driver without external dimming wires (D4i DALI-2)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver

