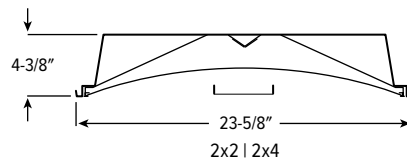


# AT3 LED Architectural Troffer – Straight Floating Center



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

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

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

## FEATURES

- Available with BIOS® SkyBlue® technology to support proper daytime circadian stimulus
- 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
- Maximize energy savings with efficacies as high as 113 lm/w
- Hinged door frame with optical assembly swings down to allow easy access from room side of fixture
- Optional gasketed acrylic lens helps protect against contaminants
- Made Right Here® in the USA

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

## ORDERING INFO

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

## SPECIFICATIONS

- HOUSING** – Precision die-formed 22-gauge C.R.S.
- DOOR FRAME** – Hinged, flat, extruded aluminum door frame with optical assembly.
- SHIELDING** – Diffuse polycarbonate lens and acrylic center standard.
- 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.
- MOUNTING** – Designed for NEMA Type “G” 1” grid ceiling standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. NEMA Type “F” available, see options.
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - IC-rated for direct contact with insulation.
  - DesignLights Consortium qualified product. Not all versions of this product may be DLC qualified, see the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL).
  - City of Chicago Environmental Air approved when specified with CP option.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

## OPTIONS

- EM/7W** 7-watt emergency LED battery
- EM/10W** 10-watt emergency LED battery <sup>[6]</sup>
- EM/10WLP** Low-profile 10-watt emergency LED battery <sup>[7]</sup>
- EM/12W** 12-watt emergency LED battery <sup>[8]</sup>
- EQCLIPS** Earthquake clips <sup>[9]</sup>
- (L\_\_)** Additional lower lumen packages available. <sup>[10]</sup>  
Example: 5,000 nominal lumens = AT3-24-L55/835-D-(L50).
- SS** Sani-shield acrylic cover with double gasket. <sup>[11]</sup>
- SS/PC** Sani-shield polycarbonate cover with double gasket. <sup>[12]</sup>
- AMW** Anti-microbial white finish
- NEMA F** NEMA Type “F” flange kit <sup>[13]</sup>
- CP** Chicago Plenum (CCEA)

## CONTROL <sup>[5]</sup>

- None
- VDO** Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) <sup>[14]</sup>
- VRF** Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) <sup>[15]</sup>

## DRIVER <sup>[16]</sup>

DRIVER <sup>[16]</sup>	VOLTAGE
<b>DIM</b> Dimming driver	120 120V
<b>DRV</b> Non-dimming driver	277 277V
<b>DSR</b> Sensor-ready driver without external dimming wires <sup>[17]</sup>	UNV 120-277V
	347 347V <sup>[18]</sup>

## NOTES

- Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see options.
- 2' width only
- Extended lead times may apply. Consult factory for availability.
- Decreases lumen output by 15%
- See page 3 for CONTROL DETAILS.
- 2x2, 2x4 only.
- 1x4 only.
- 2x2, 2x4 only.
- 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.
- Reduces lumen output by 10%.
- Reduces lumen output by 10%.
- Factory-installed. See page 4 for NEMA TYPE “F” INSTALLATION.
- DSR or LDE Drivers only. LDE drivers require driver interface.
- DSR or LDE Drivers only. LDE drivers require driver interface.
- See page 3 for ADDITIONAL DRIVER OPTIONS.
- VDO and VRF Controls only.
- Not available with EM batteries.



Available with BIOS® consult factory



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## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L30	2816	29.5	95.5
	L50	4702	48.3	97.3
	L63	5876	62.4	94.2
2x2	L30	2816	29.5	95.5
	L40	3831	37.2	103.1
	L50	4701	48.3	97.3
2x4	L40	3874	34.2	113.4
	L55	5302	48.0	110.4
	L70	6722	63.3	106.1
	L100	9720	86.9	111.9

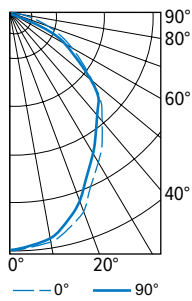
### MULTIPLIER TABLE

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

- 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%
- Use multiplier table to calculate additional options.

## PHOTOMETRY

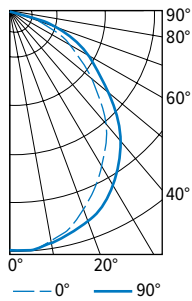
AT3-14-L63/835-D-DIM-UNV Total Luminaire Output: 5876 lumens; 62.4 Watts | Efficacy: 94.0 lm/W | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	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

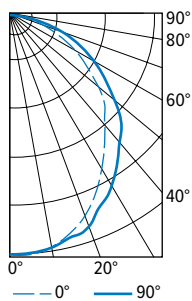
AT3-22-L50/835-D-DIM-UNV Total Luminaire Output: 4701 lumens; 48 Watts | Efficacy: 97 lm/W | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	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 | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	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	

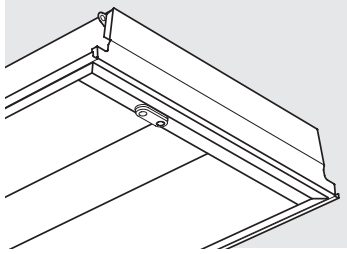
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2006	30
	0 - 40	3188	47
	0 - 60	5384	80
	0 - 90	6722	100
	0 - 180	6722	100



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

## CONTROL DETAILS

### SENSOR PLACEMENT

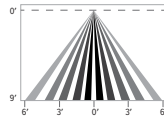


### VDO

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

9' height: ø12' coverage



### MOTION SENSOR COVERAGE

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

### VIVE CONTROL OPTIONS

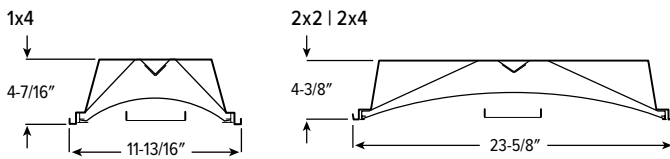
CATALOG NUMBER	DESCRIPTION
VDO	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), for use with sensor-ready driver
VRF	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver
VDO/DBI	Lutron Vive integral fixture control,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

### 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)
DSR	Sensor-ready driver
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

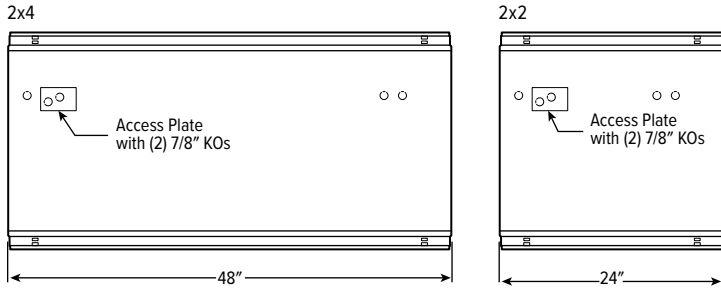
### CROSS SECTIONS



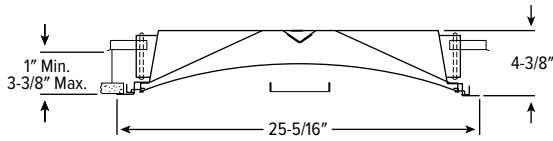
# AT3<sup>LED</sup> Architectural Troffer – Straight Floating Center

## FIXTURE DETAILS

### BACKVIEW



## NEMA TYPE "F" INSTALLATION



Note: 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.

