

# ARCHITECTURAL LED TROFFER – STRAIGHT FLOATING CENTER

# AT3

tunable **WHITE**

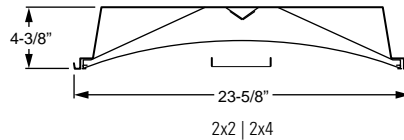
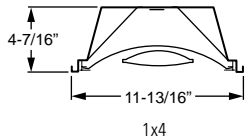
CATALOG #:	TYPE:
PROJECT:	NOTES:

**EXAMPLE** → **AT3 - 2 4 - L69/8TW - D - OPTIONS - DALI - UNV**

SERIES    NOM. NOM.    LUMEN    COLOR    SHIELDING    OPTIONS    CONTROL    VOLTAGE  
W.    L.    PACKAGE



## CROSS SECTION



## ORDERING INFORMATION

SERIES	
<b>AT3</b>	Architectural LED Troffer – Straight Floating Center – Tunable White

NOMINAL WIDTH	
<b>1</b>	1'
<b>2</b>	2'

NOMINAL LENGTH	
<b>2</b>	2' (2' width only)
<b>4</b>	4'

LED PACKAGE		
Example: L69/8TW		
LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
<b>1x4</b>		
<b>L20</b>	2,000	19
<b>L40</b>	4,000	41
<b>L54</b>	5,400	56
<b>2x2</b>		
<b>L20</b>	2,000	19
<b>L35</b>	3,500	36
<b>L50</b>	5,000	53
<b>2x4</b>		
<b>L35</b>	3,500	31
<b>L50</b>	5,000	45
<b>L69</b>	6,900	64

Nominal lumen output based on 4000 CCT. Actual lumens may vary +/-5%, see fixture performance data. Additional LED lumen packages available, see options.

COLOR	
<b>8TW</b>	Tunable white (80 CRI, 3000K–5000K)

SHIELDING	
<b>D</b>	Diffuse matte acrylic center

OPTIONS	
<b>EM/10W</b>	10-watt emergency LED battery (120V-277V only; 2x2, 2x4 only)
<b>EM/10WLP</b>	Low-profile 10-watt emergency LED driver (120V-277V only; 1x4 only)
<b>EQCLIPS (L__)</b>	Earthquake clips (4 per fixture) Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package. <b>Example:</b> 6,000 nominal lumens = AT3-24-L69/8TW-D-(L60).
<b>SS</b>	Gasketed clear flat acrylic lens (not available with OCC option)
<b>AMW</b>	Anti-microbial white finish
<b>NEMA F</b>	NEMA Type "F" flange kit, factory-installed. See page 2 for details.
<b>CP</b>	Chicago Plenum (CCEA)

CONTROL	
<b>DALI</b>	Driver prewired for DALI applications
<b>DIM</b>	(1) 0-10V signal to control dimming (1) 0-10V signal to control CCT
<b>DMX</b>	Driver prewired for DMX applications

VOLTAGE	
<b>120</b>	120V
<b>277</b>	277V
<b>UNV</b>	120-277V

## FEATURES

- ▶ Tunable white from 3000K to 5000K CCT, minimum 80 CRI.
- ▶ Straight floating lens effect creates an appealing visual appearance.
- ▶ Matte white paint and diffuse lens combination provide pleasing architectural aesthetics with non-glare reflective surfaces
- ▶ Sleek, extruded center compliments LX4 continuous light series.
- ▶ Quiet and smooth illumination for visual comfort
- ▶ Hinged door frame with optical assembly swings down to allow easy access from room side of fixture
- ▶ Optional gasketed acrylic lens adds extra layer of protection
- ▶ Rated for 25°C ambient operating temperature
- ▶ This fixture is proudly made in the USA



tunable **WHITE**

### 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. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.

**Mounting** – NEMA Type “G” standard, NEMA Type “F” available.

**Labels** –

- cETLus conforms to UL STD 1598 and UL STD 8750.
- Certified to CAN/CSA STD C22.2 No. 250.0.
- Suitable for damp locations.
- IC-rated for direct contact with insulation.
- City of Chicago Environmental Air approved when specified with CP option.

**Warranty** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

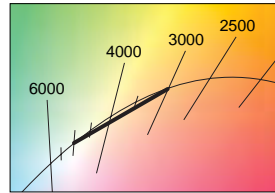
### FIXTURE PERFORMANCE DATA

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)
<b>1x4</b>			
L20	2046	19.1	107.1
L40	3944	40.8	96.7
L54	5225	55.8	93.6
<b>2x2</b>			
L20	1958	19.1	102.5
L35	3480	35.9	96.9
L50	4878	52.6	92.7
<b>2x4</b>			
L35	3450	31.4	109.9
L50	4881	45.2	108.0
L69	6737	64.4	104.6

- 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 4000K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

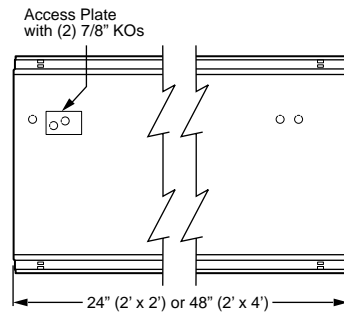
### MULTIPLIER TABLE

CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04

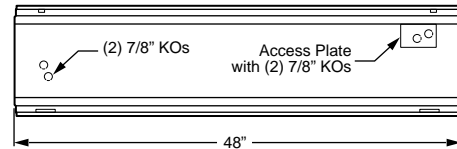


### FIXTURE DETAILS

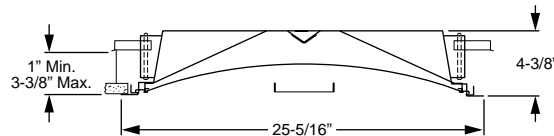
**2x2 | 2x4 BACK VIEW**



**1x4 BACK VIEW**



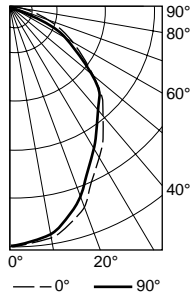
**NEMA TYPE “F” INSTALLATION**



**Note:** Maximum recommended ceiling opening is 24-3/8" x 24-38" 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.

## PHOTOMETRY

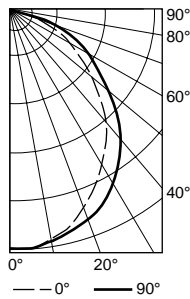
**AT3-14-L54/8TW-D-DALI** Total Luminaire Output: 5225 lumens; 56 Watts  
 Efficacy: 94 lm/W | 82 CRI; 4000K CCT | IES Spacing Criteria: End: 1.1, Across: 1.1, Diagonal: 1.1



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0	2382	2382	2382		
5	2357	2350	2345	223	
15	2232	2201	2174	620	
25	1907	1850	1812	861	
35	1588	1527	1504	961	
45	1289	1245	1233	951	
55	889	868	835	774	
65	582	564	417	517	
75	283	202	185	250	
85	79	54	40	67	
90	0	0	0		

LUMEN SUMMARY	Zone	Lumens	% Fixture
0 - 30	1704	33	
0 - 40	2665	51	
0 - 60	4391	84	
0 - 90	5225	100	
0 - 180	5225	100	

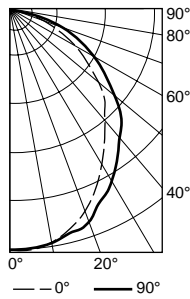
**AT3-22-L50/8TW-D-DALI** Total Luminaire Output: 4877 lumens; 53 Watts  
 Efficacy: 93 lm/W | 82 CRI; 4000K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0	1900	1900	1900		
5	1900	1890	1888	179	
15	1783	1800	1828	509	
25	1570	1649	1716	757	
35	1300	1410	1515	884	
45	1021	1135	1236	869	
55	722	851	925	743	
65	447	566	636	552	
75	222	325	344	317	
85	50	43	31	67	
90	0	0	0		

LUMEN SUMMARY	Zone	Lumens	% Fixture
0 - 30	1446	30	
0 - 40	2330	48	
0 - 60	3942	81	
0 - 90	4877	100	
0 - 180	4877	100	

**AT3-24-L69/8TW-D-DALI** Total Luminaire Output: 6737 lumens; 64 Watts  
 Efficacy: 105 lm/W | 82 CRI; 4000K CCT | IES Spacing Criteria: End: 1.1, Across: 1.2, Diagonal: 1.1



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0	2684	2684	2684		
5	2670	2671	2673	254	
15	2520	2541	2574	717	
25	2180	2251	2336	1040	
35	1766	1890	2014	1185	
45	1423	1590	1696	1195	
55	983	1140	1212	1006	
65	658	804	863	770	
75	343	469	469	458	
85	102	73	68	113	
90	0	0	0		

LUMEN SUMMARY	Zone	Lumens	% Fixture
0 - 30	2010	30	
0 - 40	3195	47	
0 - 60	5396	80	
0 - 90	6737	100	
0 - 180	6737	100	

