

# ARCHITECTURAL LED TROFFER – CURVED FLOATING CENTER

# AT1

tunable **WHITE**

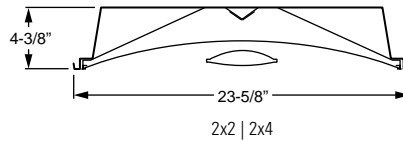
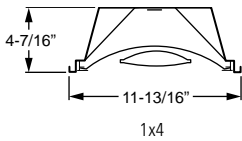
CATALOG #:	TYPE:
PROJECT:	NOTES:

**EXAMPLE** → **AT1 - 2 4 - L69/8TW - D - OPTIONS - DALI - UNV**

SERIES    NOM. NOM.    LUMEN    CRI &    SHIELDING    OPTIONS    CONTROL    VOLTAGE  
W.    L.    PACKAGE    CCT



## CROSS SECTIONS



## ORDERING INFORMATION

### SERIES

**AT1** Architectural LED Troffer – Curved Floating Center – Tunable White

### NOMINAL WIDTH

**1** 1'  
**2** 2'

### NOMINAL LENGTH

**2** 2' (2' width only)  
**4** 4'

### LED PACKAGE

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

**8TW** Tunable white (80 CRI, 3000K–5000K)

### SHIELDING

**D** Diffuse matte acrylic center  
**P** Perforated center (decreases lumen output by 15%)

### OPTIONS

**EM/10W** 10-watt emergency LED battery (120V-277V only; 2x2, 2x4 only)  
**EM/10WLP** Low-profile 10-watt emergency LED battery (120V-277V only; 1x4 only)  
**EQCLIPS (L\_\_)** 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.  
**Example:** 6,000 nominal lumens = AT1-24-L69/8TW-D-(L60).  
**SS** Gasketed clear flat acrylic lens (not available with OCC option)  
**AMW** Anti-microbial white finish  
**NEMA F** NEMA Type "F" flange kit, factory-installed. See page 2 for details.  
**CP** Chicago Plenum (CCEA)

### CONTROL

**DALI** Driver prewired for DALI applications  
**DIM** (1) 0-10V signal to control dimming  
(1) 0-10V signal to control CCT  
**DMX** Driver prewired for DMX applications

### VOLTAGE

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

## FEATURES

- ▶ Tunable white from 3000K to 5000K CCT, minimum 80 CRI.
- ▶ Curved floating lens effect creates an appealing visual appearance.
- ▶ Matte white paint and diffuse lens combination provide pleasing architectural aesthetics with non-glare reflective surfaces
- ▶ 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
- ▶ 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.

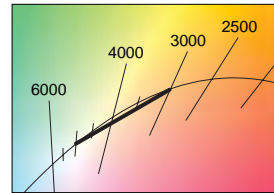
### FIXTURE PERFORMANCE DATA

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)
<b>1x4</b>			
L20	2045	19.1	107.1
L40	4066	40.8	99.7
L54	5387	55.8	96.5
<b>2x2</b>			
L20	2019	19.1	105.7
L35	3588	35.9	99.9
L50	5029	52.6	95.6
<b>2x4</b>			
L35	3557	31.4	113.3
L50	5032	45.2	111.3
L69	6945	64.4	107.8

- 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.

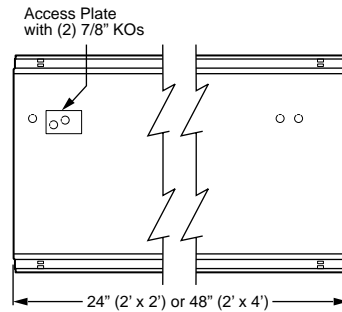
### MULTIPLIER TABLE

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

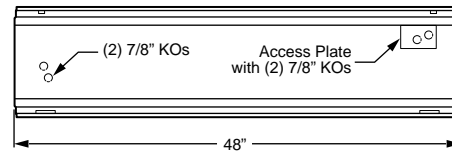


### FIXTURE DETAILS

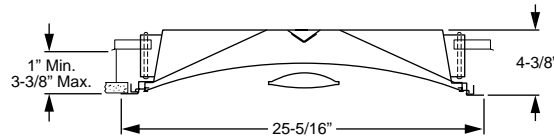
#### 2x2 | 2x4 BACK VIEW



#### 1x4 BACK VIEW



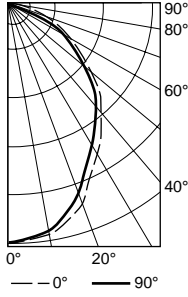
#### NEMA TYPE “F” INSTALLATION



**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

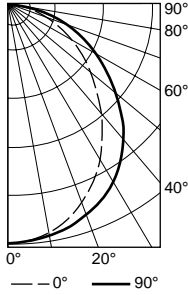
**AT1-14-L54/8TW-D-DALI** Total Luminaire Output: 5387 lumens; 56 Watts  
Efficacy: 97 lm/W | 82 CRI; 4000K CCT | IES Spacing Criteria: End: 1.1, Across: 1.1, Diagonal: 1.1



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
	0	2445	2445	2445	
	5	2464	2462	2460	232
	15	2300	2287	2278	646
	25	2001	1973	1954	913
	35	1661	1633	1610	1015
	45	1270	1247	1230	961
	55	865	863	841	777
	65	562	562	451	525
	75	271	226	203	257
	85	73	45	32	61
	90	0	0	0	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	1791	33
	0 - 40	2806	52
	0 - 60	4544	84
	0 - 90	5387	100
	0 - 180	5387	100

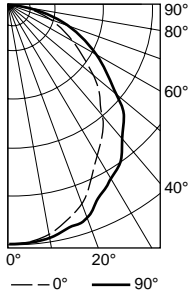
**AT1-22-L50/8TW-D-DALI** Total Luminaire Output: 5029 lumens; 53 Watts  
Efficacy: 96 lm/W | 82 CRI; 4000K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
	0	1915	1915	1915	
	5	1910	1902	1902	181
	15	1801	1818	1848	514
	25	1594	1674	1751	770
	35	1321	1443	1565	901
	45	1028	1172	1276	894
	55	730	879	964	774
	65	472	601	688	581
	75	236	350	390	334
	85	57	70	57	80
	90	0	0	0	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	1465	29
	0 - 40	2366	47
	0 - 60	4034	80
	0 - 90	5029	100
	0 - 180	5029	100

**AT1-24-L69/8TW-D-DALI** Total Luminaire Output: 6945 lumens; 64 Watts  
Efficacy: 108 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	2672	2672	2672	
	5	2674	2679	2681	253
	15	2512	2555	2604	719
	25	2167	2280	2406	1055
	35	1820	2007	2176	1240
	45	1384	1619	1757	1222
	55	974	1193	1285	1043
	65	638	837	904	797
	75	334	496	510	483
	85	95	101	104	132
	90	0	0	0	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	2027	29
	0 - 40	3267	47
	0 - 60	5532	80
	0 - 90	6945	100
	0 - 180	6945	100

