

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

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

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

## FEATURES

- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- Backlit curved lens provides uniform illumination for visual comfort
- Curved floating center detail creates a highly-aesthetic presence
- Maximize energy savings with efficacies as high as 107 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

## 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 >50,000 hours per IES TM-21. Tunable White products use LEDs of multiple 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.
- LISTINGS** –
  - 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).

## ORDERING EXAMPLE: AT1 - 2 4 - L69/8TW - D - OPTIONS - DALI - UNV

### ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	COLOR	SHIELDING
AT1	1 1'	2 2' <sup>[2]</sup>	1x4	8TW Tunable white (80 CRI, 3000K-5000K)	D Diffuse matte acrylic center P Perforated center <sup>[3]</sup>
		2 2'	L20 2,000lm		
		4 4'	L40 4,000lm		
	2x2	2 2'	L54 5,400lm		
			L20 2,000lm		
			L35 3,500lm		
	2x4	2 2'	L50 5,000lm		
			L35 3,500lm		
			L50 5,000lm		
	2x4	2 2'	L69 6,900lm		
			L35 3,500lm		
			L50 5,000lm		

### OPTIONS

<b>EM/7W</b>	7-watt emergency LED battery
<b>EM/10W</b>	10-watt emergency LED battery <sup>[5]</sup>
<b>EM/10WLP</b>	Low-profile 10-watt emergency LED battery <sup>[6]</sup>
<b>EM/12W</b>	12-watt emergency LED battery <sup>[7]</sup>
<b>EQCLIPS</b>	Earthquake clips <sup>[8]</sup>
<b>(L___)</b>	Additional lower lumen packages available. <sup>[9]</sup> Example: 6,000 nominal lumens = AT1-24-L69/8TW-D-(L60)
<b>SS</b>	Gasketed clear flat acrylic lens
<b>AMW</b>	Anti-microbial white finish
<b>NEMA F</b>	NEMA Type “F” flange kit <sup>[10]</sup>
<b>CP</b>	Chicago Plenum (CCEA)

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

<b>DALI</b>	Driver prewired for DALI applications
<b>DIM</b>	Dimming driver with (1) 0-10V signal to control dimming and (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

## NOTES

- Lumen output based on 4000 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- 2' width only
- Decreases lumen output by 15%
- See page 3 for CONTROL DETAILS.
- 2x2, 2x4 only
- 1x4 only

- 2x2, 2x4 only
- NEMA Type “G” only. 4 per fixture
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Factory-installed. See page 3 for NEMA TYPE “F” INSTALLATION.



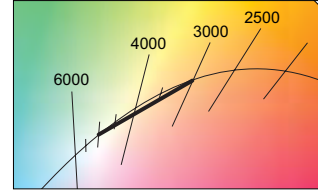
# AT1 tunable WHITE Architectural Troffer – Curved Floating Center

## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L20	2039	21.1	96.9
	L40	4007	43.6	91.9
	L54	5440	55.4	98.2
2x2	L20	2039	21.1	96.9
	L35	3535	38.0	93.1
	L50	4972	54.7	91.0
2x4	L35	3525	32.8	107.4
	L50	5020	47.0	106.8
	L69	6961	68.4	101.8

### MULTIPLIER TABLE

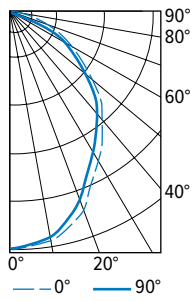
CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04



- 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.

## PHOTOMETRY

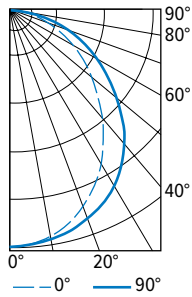
AT1-14-L54/8TW-D-DALI Total Luminaire Output: 5440 lumens; 55.4 Watts | Efficacy: 98 lm/W | 82 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2469	2469	2469	
5	2488	2486	2484	234
15	2322	2309	2301	652
25	2020	1992	1973	922
35	1677	1649	1626	1025
45	1283	1259	1242	971
55	873	871	850	784
65	567	567	455	531
75	274	229	205	259
85	73	45	32	62
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1809	33
	0 - 40	2833	52
	0 - 60	4588	84
	0 - 90	5440	100
	0 - 180	5440	100

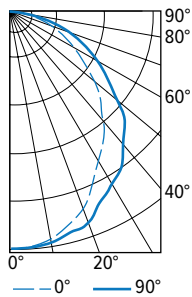
AT1-22-L50/8TW-D-DALI Total Luminaire Output: 4973 lumens; 54.7 Watts | Efficacy: 91 lm/W | 82 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1878	1878	1878	
5	1880	1871	1869	178
15	1772	1793	1823	506
25	1563	1633	1725	755
35	1315	1414	1548	889
45	1014	1145	1272	885
55	725	873	958	766
65	461	597	680	578
75	238	350	390	337
85	53	65	58	79
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1438	29
	0 - 40	2327	47
	0 - 60	3978	80
	0 - 90	4973	100
	0 - 180	4973	100

AT1-24-L69/8TW-D-DALI Total Luminaire Output: 6961 lumens; 68.4 Watts | Efficacy: 102 lm/W | 82 CRI; 4000K CCT



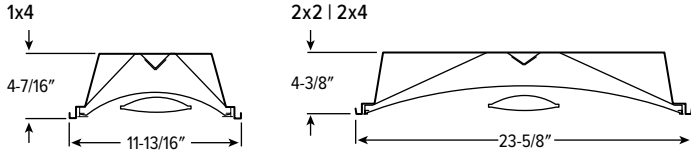
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2678	2678	2678	
5	2680	2685	2687	254
15	2518	2561	2610	721
25	2172	2285	2411	1057
35	1824	2011	2181	1243
45	1388	1623	1761	1225
55	976	1196	1288	1045
65	640	838	906	799
75	334	497	511	484
85	95	102	104	132
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2032	29
	0 - 40	3275	47
	0 - 60	5545	80
	0 - 90	6961	100
	0 - 180	6961	100



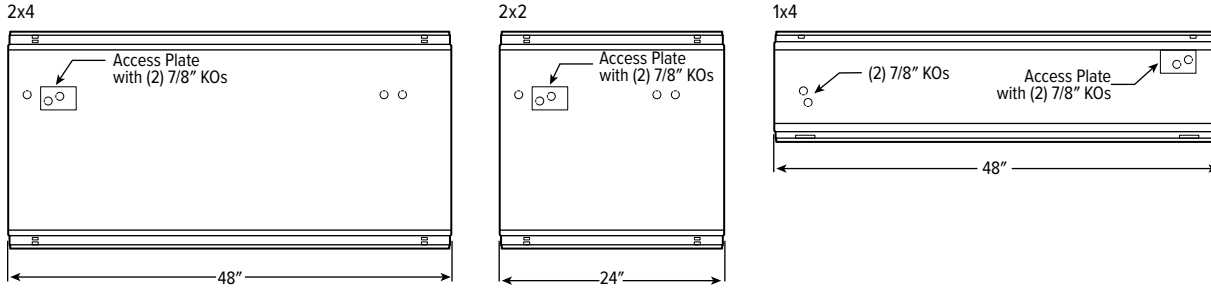
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## CROSS SECTIONS

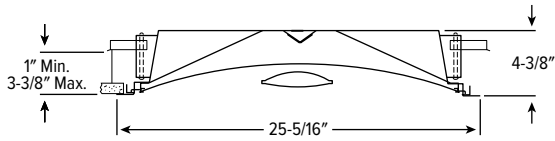


## FIXTURE DETAILS

### BACKVIEW



## 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.

## CONTROL DETAILS

### DIM



### DALI



### DMX

