

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

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

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

**FEATURES**

- Create rich, vibrant designs with lasting visual impact using the full visible light spectrum
- Backlit curved lens provides uniform illumination for visual comfort
- Curved floating center detail creates a highly-aesthetic presence
- 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** – Five color, mid-power ERP-Lumenix araya5 LED modules and controls. On board thermal and optical feedback ensure color consistency of <2 step MacAdam ellipse (SDCM) and reported L70>50,000 hours. In-line spectral capture and storage results in consistent CRI and CCT across all arrays.
- **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.
  - City of Chicago Environmental Air approved when specified with CP option.
- **WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**SYSTEM REQUIREMENTS**

- Fixtures are shipped with factory default settings, iOS mobile app required for proper commissioning
- For additional info, see APPLICATION NOTES at [erp-power.com/design-resources/technical-documentation](http://erp-power.com/design-resources/technical-documentation)

**ORDERING EXAMPLE: AT1 - 2 4 - L80/9TC - D - OPTIONS - DALI - 120**

**ORDERING INFO**

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	COLOR	SHIELDING
AT1	1 1'	2 2' <sup>[2]</sup>	1x4	9TC Tunable color (90 CRI, 1650K-8000K)	D Diffuse matte acrylic center P Perforated center <sup>[3]</sup>
	2 2'	4 4'	L38 3,800lm		
			2x2		
			L38 3,800lm		
			2x4		
			L80 8,000lm		

OPTIONS	CONTROL <sup>[4]</sup>	VOLTAGE
SS Sani-shield acrylic cover with double gasket. <sup>[5]</sup>	DALI DALI Type 8 enabled	120 120V
SS/PC Sani-shield polycarbonate cover with double gasket. <sup>[6]</sup>	DIM (1) 0-10V signal to control dimming; (1) 0-10V signal to control either CCT or select up to five preset colors	277 277V
AMW Anti-microbial white finish	DMX DMX enabled	
NEMA F NEMA Type “F” flange kit <sup>[7]</sup>	LUT Lutron Ecosystem enabled <sup>[9]</sup>	
CP Chicago Plenum (CCEA)	WS Wattstopper DLM enabled <sup>[10]</sup>	
EQCLIPS Earthquake clips <sup>[8]</sup>		

**NOTES**

- <sup>1</sup> Lumen output based on 4000 CCT. Actual lumens may vary +/-5%, See page 2 for FIXTURE PERFORMANCE DATA.
- <sup>2</sup> 2' width only.
- <sup>3</sup> Decreases lumen output by 15%
- <sup>4</sup> See page 3 for CONTROL DETAILS.
- <sup>5</sup> Reduces lumen output by 10%.
- <sup>6</sup> Reduces lumen output by 10%.
- <sup>7</sup> Factory-installed. See page 3 for NEMA TYPE “F” INSTALLATION.
- <sup>8</sup> 4 per fixture. Optional for 1” grid installations. Required for 9/16” grid mounting. Not available with NEMA F Option.
- <sup>9</sup> CCT control only.
- <sup>10</sup> CCT control only.



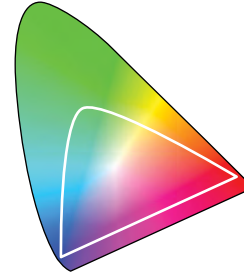
# AT1 tunable COLOR Architectural Troffer – Curved Floating Center

## FIXTURE PERFORMANCE DATA

	COLOR	DELIVERED LUMENS	POWER (W)	EFFICACY (lm/W)
1x4	4000	3815	55.8	68.4
	Red	584	15.2	38.4
	Blue	354	24.5	14.5
	Green	2843	30.3	93.8
2x2	4000	3766	55.8	67.5
	Red	577	15.2	38.0
	Blue	350	24.5	14.3
	Green	2807	30.3	92.6
2x4	4000	8021	111.6	71.9
	Red	1228	30.4	40.4
	Blue	745	49.0	15.2
	Green	5978	60.6	98.6

## MULTIPLIER TABLE

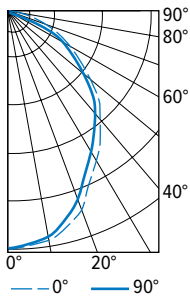
CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
2000K	0.58	0.58
2700K	0.85	0.83
3000K	0.96	0.94
3500K	0.98	0.97
4000K	1.00	1.00
5000K	0.99	0.99
6000K	0.99	0.99
8000K	0.99	0.99



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

## PHOTOMETRY

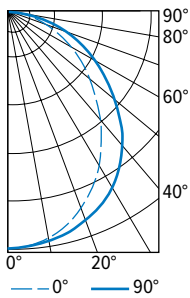
AT1-14-L54/8TW-D-DALI Total Luminaire Output: 5387 lumens; 56 Watts | Efficacy: 97 lm/W | 82 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1731	1731	1731	
5	1745	1743	1742	164
15	1629	1619	1613	457
25	1417	1397	1384	647
35	1176	1157	1140	719
45	900	883	871	681
55	612	611	596	550
65	398	398	319	372
75	192	160	144	182
85	51	32	23	43
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1268	33
	0 - 40	1987	52
	0 - 60	3218	84
	0 - 90	3815	100
	0 - 180	3815	100

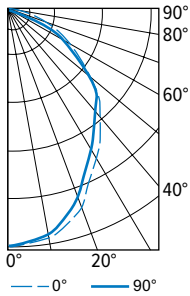
AT1-22-L50/8TW-D-DALI Total Luminaire Output: 5029 lumens; 53 Watts | Efficacy: 96 lm/W | 82 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1426	1426	1426	
5	1421	1416	1417	135
15	1347	1358	1380	384
25	1184	1246	1308	573
35	985	1075	1178	674
45	752	874	967	669
55	541	658	742	581
65	352	447	515	437
75	176	256	296	255
85	34	48	45	59
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1092	29
	0 - 40	1766	47
	0 - 60	3016	80
	0 - 90	3766	100
	0 - 180	3766	100

AT1-24-L69/8TW-D-DALI Total Luminaire Output: 6945 lumens; 64 Watts | Efficacy: 108 lm/W | 82 CRI; 4000K CCT



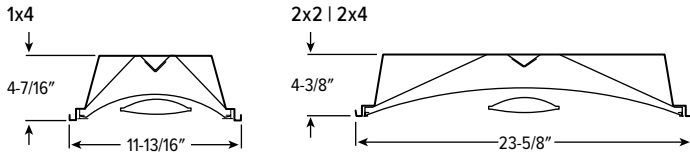
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3082	3082	3082	
5	3076	3076	3080	291
15	2899	2947	3001	827
25	2489	2614	2752	1210
35	2091	2302	2495	1426
45	1613	1880	2045	1418
55	1135	1388	1503	1211
65	743	974	1053	926
75	394	579	589	562
85	108	110	117	151
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2329	29
	0 - 40	3755	47
	0 - 60	6383	80
	0 - 90	8021	100
	0 - 180	8021	100



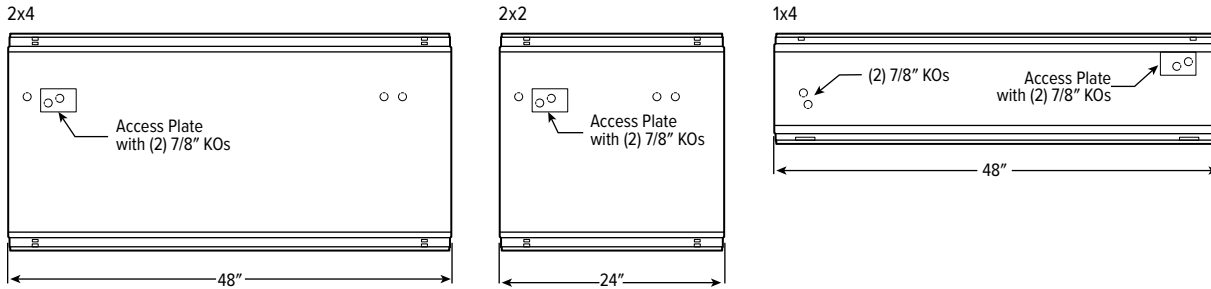
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## CROSS SECTIONS

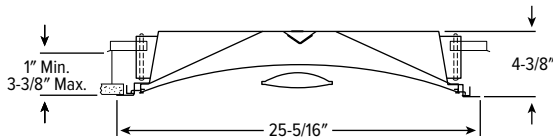


## FIXTURE DETAILS

### BACKVIEW



## NEMA TYPE "F" INSTALLATION



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

## CONTROL DETAILS



PROTOCOL	(1) DIMMING <sup>[1]</sup>	(2) CCT	(3) SATURATION	(4) HUE
0-10V DIM <sup>[4]</sup>	1%	1650 - 8000K	<sup>[2]</sup>	<sup>[2]</sup>
DALI TYPE 8	0.1%	1650 - 8000K	–	–
LUTRON ECOSYSTEM <sup>[3]</sup>	0.1%	1650 - 8000K	–	–
WATTSTOPPER DLM <sup>[3]</sup>	0.1%	1650 - 8000K	–	–
DMX512-A-RDM <sup>[3]</sup>	0.1%	1650 - 8000K	1 - 100%	1 - 60°

- <sup>1</sup> 100 – 0.1% dimming is available when connected to 0.1% dimming capable digital controls. 100 – 1% dimming is available with analog 0 – 10V control.
- <sup>2</sup> Two 0 – 10V lines can be used to control DIM and CCT independently, or program Scenes – in any combination of DIM, CCT, HUE and SAT – and recall them with five 0 - 10V presets.
- <sup>3</sup> May be limited to 1% dimming by controller; see control system specification for details.
- <sup>4</sup> 1 – 10V signal dims module to approximately 1%. In-line power relay required to achieve 0% output.

