

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
- Distinct curved deep 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
- Buy American Act compliant
- Made Right Here® in the USA



ORDERING EXAMPLE: AT2 - 2 4 - L80/9TC - D - OPTIONS - DALI - 120

## ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	COLOR	SHIELDING
AT2	2 2'	2 2' 4 4'	2x2 L38 3,800lm 2x4 L80 8,000lm	9TC Tunable color (90 CRI, 1650K-8000K)	D Diffuse matte acrylic center P Perforated center <sup>[2]</sup>
<b>DECORATIVE INSERTS <sup>[3]</sup></b>					
D11 Triple wave					
D12 Brushed metal					
D15 Stripes					
D16 Tri-Pyramid					

## 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-Lumenetix 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).

## OPTIONS

SS	Sani-shield acrylic cover with double gasket. <sup>[5]</sup>
SS/PC	Sani-shield polycarbonate cover with double gasket. <sup>[6]</sup>
AMW	Anti-microbial white finish
NEMA F	NEMA Type "F" flange kit <sup>[7]</sup>
CP	Chicago Plenum (CCEA)
EQCLIPS	Earthquake clips <sup>[8]</sup>

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

DALI	DALI Type 8 enabled
DIM	(1) 0-10V signal to control dimming; (1) 0-10V signal to control either CCT or select up to five preset colors
DMX	DMX enabled
LUT	Lutron Ecosystem enabled <sup>[9]</sup>
WS	Wattstopper DLM enabled <sup>[10]</sup>

## VOLTAGE

120	120V
277	277V

## 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)

## NOTES

- Lumen output based on D Shielding, 4000 CCT. Actual lumens may vary +/-5%, See page 2 for FIXTURE PERFORMANCE DATA.
- Decreases lumen output by 15%
- Only available with D shielding option. See page 3 for DIFFUSE CENTER DECORATIVE INSERT DETAILS.
- See page 3 for CONTROL DETAILS.
- Reduces lumen output by 10%.

- Reduces lumen output by 10%.
- Factory-installed. See page 3 for NEMA TYPE "F" INSTALLATION.
- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting. Not available with NEMA F Option.
- CCT control only.
- CCT control only.



# AT2 tunable COLOR Architectural Troffer – Curved Deep Center

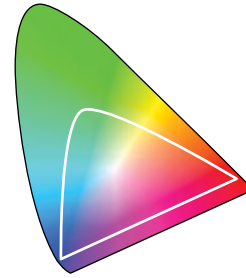
## FIXTURE PERFORMANCE DATA

	COLOR	DELIVERED LUMENS	POWER (W)	EFFICACY (lm/W)
2x2	4000	3804	55.8	68
	Red	582	15.2	38
	Blue	353	24.5	14
	Green	2835	30.3	94
2x4	4000	8101	111.6	73
	Red	1241	30.4	41
	Blue	752	49	15
	Green	6038	60.6	100

- 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 D Shielding, 90 CRI/4000K actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

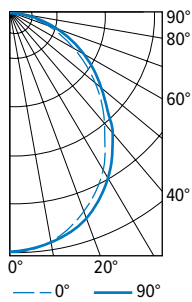
### MULTIPLIER TABLE

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



## PHOTOMETRY

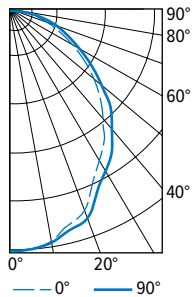
AT2-22-L38/9TC-D-DALI Total Luminaire Output: 3804 lumens; 56 Watts | Efficacy: 68 lm/W | 90 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1556	1556	1556	
5	1552	1546	1545	147
15	1456	1472	1487	415
25	1291	1332	1370	612
35	1069	1130	1182	701
45	819	878	939	677
55	582	628	680	564
65	365	409	446	406
75	178	213	241	227
85	30	44	39	56
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1173	31
	0 - 40	1875	49
	0 - 60	3115	82
	0 - 90	3804	100
	0 - 180	3804	100

AT2-24-L80/9TC-D-DALI Total Luminaire Output: 8101 lumens; 112 Watts | Efficacy: 73 lm/W | 90 CRI; 4000K CCT



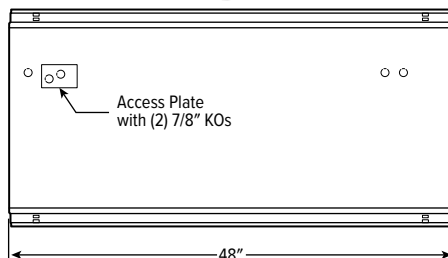
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3402	3402	3402	
5	3402	3402	3407	322
15	3183	3220	3259	905
25	2750	2831	2899	1305
35	2305	2411	2495	1490
45	1747	1859	1937	1423
55	1220	1317	1366	1174
65	782	866	907	849
75	396	474	498	490
85	102	128	117	143
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2532	31
	0 - 40	4023	50
	0 - 60	6620	82
	0 - 90	8101	100
	0 - 180	8101	100

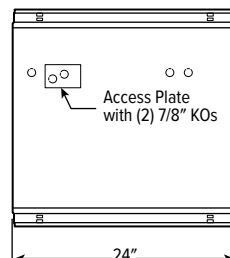
## FIXTURE DETAILS

### BACKVIEW

2x4



2x2



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

417-358-4065

Designed and Manufactured in the USA

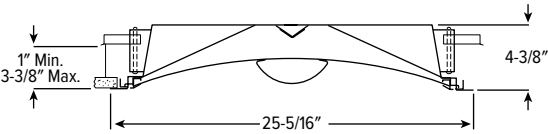
Information contained herein is subject to change without notice.

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# AT2 tunable COLOR Architectural Troffer – Curved Deep Center

## 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

### DIM



### DALI



### LUTRON ECOSYSTEM



### WATTSTOPPER DLM



### DMX



PROTOCOL	(1) DIMMING <sup>[1]</sup>	(2) CCT	(3) SATURATION	(4) HUE
0-10V DIM <sup>[4]</sup>	1%	1650 - 8000K	[2]	[2]
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.

## DIFFUSE CENTER DECORATIVE INSERT DETAILS

### TRIPLE WAVE



### BRUSHED METAL



### STRIPES



### TRI-PYRAMID

