AT3 tunable COLOR
Architectural Troffer – Straight Floating Center

Williams

CATALOG #: _____

4-3/8″

23-5/8″
2x2 | 2x4

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 straight floating center detail creates a highly-aesthetic presence
- Sleek, extruded center complements MX4 continuous light series
- 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-Lumenetix araya5 LED modules and contols. 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.

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

ORDERING EXAMPLE: AT3 - 2 4 - L80/9TC - D - OPTIONS - DALI - 120

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS [1]	COLOR	SHIELDING
AT3	1 1′	2 2′ [2]	1x4	9TC Tunable color (90 CRI, 1650K–8000K)	D Diffuse matte acrylic center
	2 2′	4 4′	L38 3,800lm		P Perforated center [3]
			2x2		
			L38 3,800lm		
			2x4		
			L80 8,000lm		

OPTIONS		CONTROL [4]		VOLTAGE	
SS	Sani-shield acrylic cover with double gasket. [5]	DALI	DALI Type 8 enabled	120	120V
SS/PC	Sani-shield polycarbonate cover with double gasket. [6]	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 [7]	LUT	Lutron Ecosystem enabled [9]		
CP	Chicago Plenum (CCEA)	WS	Wattstopper DLM enabled [10]		
EQCLIPS	Earthquake clips [8]				

NOTES

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

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FIXTURE PERFORMANCE DATA

	COLOR	DELIVERED LUMENS	POWER (W)	EFFICACY (lm/W)
1x4	4000	3701	55.8	66.3
1x4	Red	567	15.2	37.3
1x4	Blue	343	24.5	14.0
1x4	Green	2758	30.3	91.0
2x2	4000	3653	55.8	65.5
2x2	Red	559	15.2	36.8
2x2	Blue	339	24.5	13.8
2x2	Green	2722	30.3	89.8
2x4	4000	7861	111.6	70.4
2x4	Red	1204	30.4	39.6
2x4	Blue	730	49	14.9
2x4	Green	5858	60.6	96.7

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.
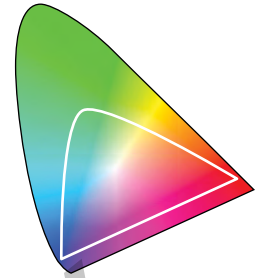
PHOTOMETRY

AT3-14-L38/9TC-D-DALI Total Luminaire Output: 3701 lumens; 56 Watts | Efficacy: 66 lm/W | 82 CRI; 4000K CCT
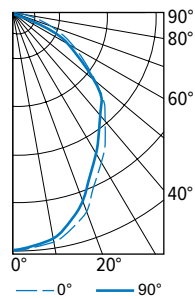
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	1687	1687	1687	
5	1670	1665	1661	158
15	1581	1559	1540	439
25	1350	1310	1284	610
35	1125	1082	1065	681
45	913	882	874	674
55	630	615	591	549
65	412	400	295	366
75	201	143	131	177
85	56	38	28	47
90	0	0	0	

| ZONE	LUMENS	% FIXTURE
0 - 30	1207	33
0 - 40	1888	51
0 - 60	3110	84
0 - 90	3701	100
0 - 180	3701	100

AT3-22-L38/9TC-D-DALI Total Luminaire Output: 3653 lumens; 56 Watts | Efficacy: 65 lm/W | 82 CRI; 4000K CCT
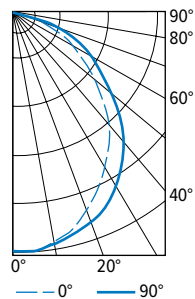
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	1423	1423	1423	
5	1423	1416	1414	134
15	1335	1348	1369	381
25	1176	1235	1285	567
35	974	1056	1135	662
45	764	850	925	651
55	541	637	693	556
65	335	424	476	413
75	166	243	258	237
85	38	32	23	50
90	0	0	0	

ZONE	LUMENS	% FIXTURE
0 - 30	1083	30
0 - 40	1745	48
0 - 60	2952	81
0 - 90	3653	100
0 - 180	3653	100

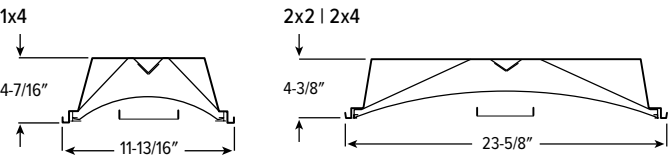**AT3-24-L80/9TC-D-DALI** Total Luminaire Output: 7861 lumens; 112 Watts | Efficacy: 70 lm/W | 82 CRI; 4000K CCT
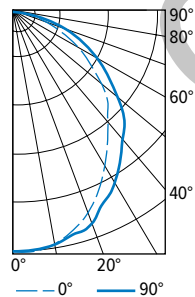
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	3132	3132	3132	
5	3115	3117	3119	296
15	2940	2965	3004	836
25	2543	2626	2726	1214
35	2061	2205	2350	1382
45	1660	1855	1979	1395
55	1147	1330	1415	1174
65	768	938	1007	898
75	400	547	547	535
85	119	85	80	131
90	0	0	0	

ZONE	LUMENS	% FIXTURE
0 - 30	2346	30
0 - 40	3728	47
0 - 60	6296	80
0 - 90	7861	100
0 - 180	7861	100

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CROSS SECTIONS

1x4

4-7/16″
11-13/16″

2x2 | 2x4

4-3/8″
23-5/8″

FIXTURE DETAILS

BACKVIEW

2x4

Access Plate with (2) 7/8″ KOs
48″

2x2

Access Plate with (2) 7/8″ KOs
24″

1x4

(2) 7/8″ KOs
Access Plate with (2) 7/8″ KOs
48″

NEMA TYPE "F" INSTALLATION

1″ Min.
3-3/8″ Max.
4-3/8″
25-5/16″
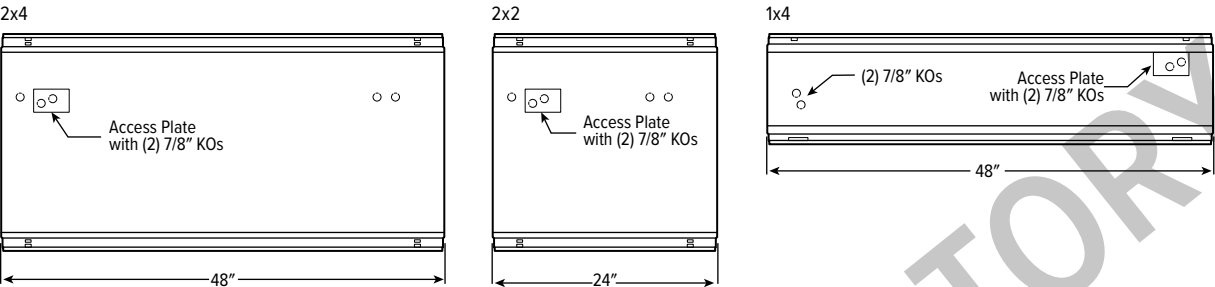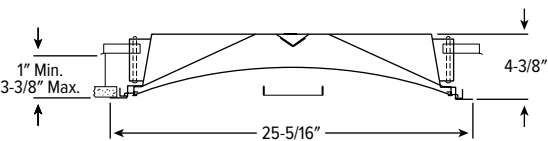
Note: Maximum recommended ceiling opening is 24-3/8″ x 24-3/8″ for 2'x2' and 24-3/8″x 48-3/8″ for 2'x4'. For continuous row mounting, add 49-5/16″ for each additional fixture to obtain ceiling opening. 1-5/16″ between end plates.
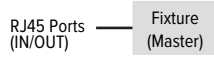
CONTROL DETAILS

DIM
DIM (Int) +
DIM (CCT) +
DIM -
Fixture 1

DALI
DALI +
DALI -
Fixture 1

LUTRON ECOSYSTEM
E1
E2
Fixture 1

WATTSTOPPER DLM
RJ or 2RJ Ports
Fixture 1

DMX
RJ45 Ports (IN/OUT)
Fixture (Master)

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

1 100 – 0.1% dimming is available when connected to 0.1% dimming capable digital controls. 100 – 1% dimming is available with analog 0 – 10V control.
2 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.
3 May be limited to 1% dimming by controller; see control system specification for details.
4 1 – 10V signal dims module to approximately 1%. In-line power relay required to achieve 0% output.