

ARCHITECTURAL LED TROFFER – STRAIGHT FLOATING CENTER

AT3

tunable **COLOR**

CATALOG #:	TYPE:
PROJECT:	NOTES:

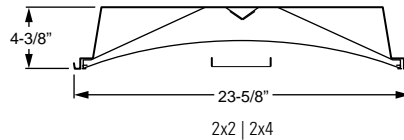
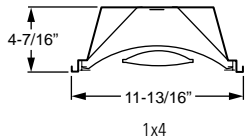
EXAMPLE

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

SERIES NOM. W. NOM. L. LUMEN PACKAGE COLOR SHIELDING OPTIONS CONTROL VOLTAGE



CROSS SECTION



ORDERING INFORMATION

SERIES
AT3 Architectural LED Troffer – Straight Floating Center – Tunable Color

NOMINAL WIDTH

1	1'
2	2'

NOMINAL LENGTH

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

LED PACKAGE

Example: L80/9TC			
	LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
1x4	L38	3800	56
2x2	L38	3800	56
2x4	L80	8000	111

Nominal lumen output based on 4000 CCT. Actual lumens may vary +/-5%, see fixture performance data.

COLOR
9TC Tunable color (90 CRI, 1650K–8000K and color)

SHIELDING
D Diffuse matte acrylic center

OPTIONS

EQCLIPS Earthquake clips (4 per fixture)
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)
CCEA City of Chicago Environmental Air

CONTROL
 See page 2 for details.
BTL Bluetooth LE enabled
DALI DALI Type 8 enabled
DIM (1) 0-10V signal to control dimming
 (1) 0-10V signal to control CCT (will only control white light CCT range, will not have pure color output)
DMX DMX enabled
LUT Lutron Ecosystem enabled
WS Wattstopper DLM enabled

VOLTAGE

120	120V
277	277V

FEATURES

- ▶ Tunable color from 1650K to 8000K CCT, minimum 90 CRI.
- ▶ Straight floating lens effect creates an appealing visual appearance.
- ▶ Matte white paint and diffuse lens combination provide pleasing architectural aesthetics with non-glare reflective surfaces
- ▶ Sleek, extruded center compliments LX4 continuous light series.
- ▶ 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
- ▶ Rated for 25°C ambient operating temperature
- ▶ This fixture is proudly made in the USAW



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 LED modules. On board thermal and optical feedback ensure color consistency of <2 step MacAdam ellipse (SDCM) and L70>50,000 hours. In-line spectral capture and storage results in consistent CRI and CCT across all arrays.

Mounting – NEMA Type “G” standard, NEMA Type “F” available.

Labels –

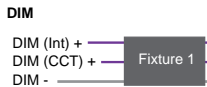
- cETLus conforms to UL STD 1598 and UL STD 8750.
- Certified to CAN/CSA STD C22.2 No. 250.0.
- Suitable for damp locations.
- IC-rated for direct contact with insulation.
- City of Chicago Environmental Air approved when specified with CCEA option.

Warranty – 5-year limited warranty, see hew.com/warranty.

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

CONTROL DETAILS



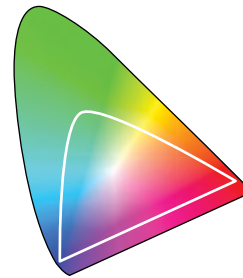
FIXTURE PERFORMANCE DATA

	COLOR	DELIVERED LUMENS	POWER (W)	EFFICACY (lm/W)
1x4	4000	3701	55.8	66.3
	Red	567	15.2	37.3
	Blue	343	24.5	14.0
	Green	2758	30.3	91.0
2x2	4000	3653	55.8	65.5
	Red	559	15.2	36.8
	Blue	339	24.5	13.8
	Green	2722	30.3	89.8
2x4	4000	7861	111.6	70.4
	Red	1204	30.4	39.6
	Blue	730	49.0	14.9
	Green	5858	60.6	96.7

- 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.

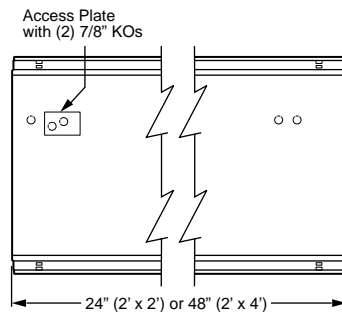
MULTIPLIER TABLE

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

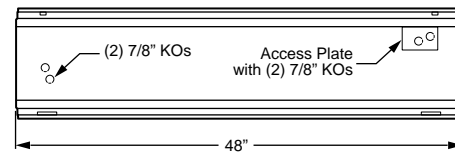


FIXTURE DETAILS

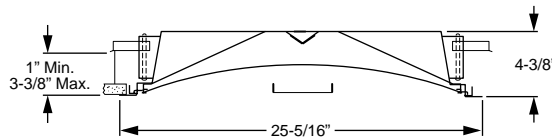
2x2 | 2x4 BACK VIEW



1x4 BACK VIEW



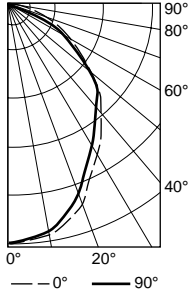
NEMA TYPE "F" INSTALLATION



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

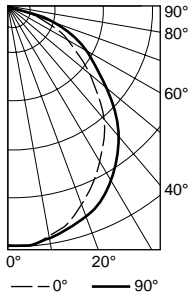
AT3-14-L38/9TC-D-DALI Total Luminaire Output: 3701 lumens; 56 Watts
 Efficacy: 66 lm/W | 82 CRI; 4000K CCT | IES Spacing Criteria: End: 1.1, Across: 1.1, Diagonal: 1.1



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0	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		

LUMEN SUMMARY	Zone	Lumens	% Fixture
0 - 30	1207	33	
0 - 40	1888	51	
0 - 60	3110	84	
0 - 90	3701	100	
0 - 180	3701	100	

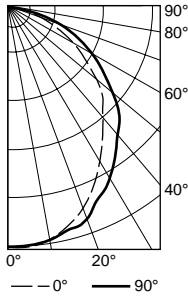
AT3-22-L38/9TC-D-DALI Total Luminaire Output: 3653 lumens; 56 Watts
 Efficacy: 65 lm/W | 82 CRI; 4000K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
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		

LUMEN SUMMARY	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 | IES Spacing Criteria: End: 1.1, Across: 1.2, Diagonal: 1.1



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
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		

LUMEN SUMMARY	Zone	Lumens	% Fixture
0 - 30	2346	30	
0 - 40	3728	47	
0 - 60	6296	80	
0 - 90	7861	100	
0 - 180	7861	100	

