

ARCHITECTURAL LED TROFFER – CURVED DEEP CENTER

AT2

tunable **COLOR**

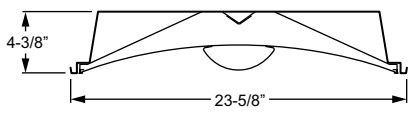


CATALOG #:	TYPE:
PROJECT:	NOTES:

EXAMPLE → **AT2 - 2 4 - L80/9TC - D - OPTIONS - DALI - 120**

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

CROSS SECTION



ORDERING INFORMATION

SERIES
AT2 Architectural LED Troffer – Curved Deep Center – Tunable Color

NOMINAL WIDTH
2 2'

NOMINAL LENGTH
2 2'
4 4'

LED PACKAGE

Example: L80/9TC			
	LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
2x2	L38	3800	56
2x4	L80	8000	112

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
P Perforated center

DIFFUSE CENTER DECORATIVE INSERTS
 Only available with D shielding option. See page 3 for details

D11 Triple wave
D12 Brushed metal
D13 Elliptical Perf
D14 Circles
D15 Stripes
D16 Tri-Pyramid

OPTIONS
EQCLIPS SS Earthquake clips (4 per fixture)
 Gasketed clear flat acrylic lens (not available with OCC option)
AMW NEMA F Anti-microbial white finish
 NEMA Type "F" flange kit, factory-installed (see page 2 for details)
CP Chicago Plenum (CCEA)

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.
- ▶ Matte white paint and diffuse lens combination provide pleasing architectural aesthetics with non-glare reflective surfaces
- ▶ 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
- ▶ Available with decorative inserts to customize center lens
- ▶ Rated for 25°C ambient operating temperature.
- ▶ This fixture is proudly made 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 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 CP option.

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

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

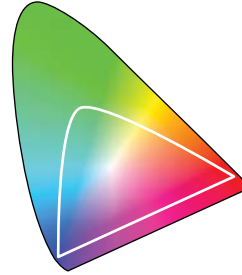
FIXTURE PERFORMANCE DATA

	COLOR	DELIVERED LUMENS	POWER (W)	EFFICACY (lm/W)
2x2	4000	3804	55.8	68.2
	Red	582	15.2	38.3
	Blue	353	24.5	14.4
2x4	Green	2835	30.3	93.6
	4000	8101	111.6	72.6
	Red	1241	30.4	40.8
	Blue	752	49.0	15.3
	Green	6038	60.6	99.6

- 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

BACK VIEW	NEMA TYPE “F” INSTALLATION
<p>Access Plate with (2) 7/8" KOs</p>	<p>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.</p>

CONTROL DETAILS

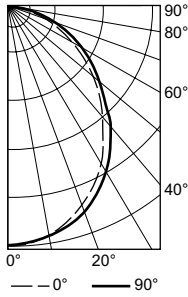


DIFFUSE CENTER DECORATIVE INSERT DETAILS



PHOTOMETRY

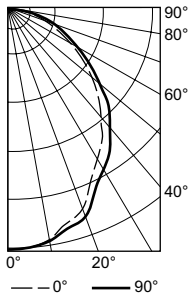
AT2-22-L38/9TC-D-DALI Total Luminaire Output: 3804 lumens; 56 Watts
 Efficacy: 68 lm/W | 82 CRI; 4000K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2, Diagonal: 1.2



CANDLEPOWER DISTRIBUTION	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 | 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	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

