

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 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
- Low UGR meets LEED and WELL requirements
- 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 – High-quality mid-power LED boards. L70 >60,000 hours per IES TM-21.
- CONTROL – DMX enabled; controllers provided by others.
- MOUNTING – NEMA Type “G” 15/16” or 1” grid standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. Drywall flange kit 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.
  - Complies with the Buy American Act and other federal regulations. Request certification at [hew.com/baa](http://hew.com/baa).
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

ORDERING EXAMPLE: AT3 - 2 4 - L80/RGB835 - D - OPTIONS - DMX - UNV

## ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	COLOR/CRI	CCT	SHIELDING
AT3	1 1'	2 2' <sup>[2]</sup>	1x4	RGB8 80	27 2700K	D Diffuse matte acrylic center
		4 4'	L40 4,000lm		30 3000K	P Perforated center <sup>[3]</sup>
	2x2	L40 4,000lm	2x4	L80 8,000lm	35 3500K	
					40 4000K	
					40 4000K	
					50 5000K	

## OPTIONS

- EM/10W 10-watt emergency battery <sup>[5]</sup>
- EM/10WLP Low-profile 10-watt emergency battery <sup>[6]</sup>
- EM/12W 12-watt emergency battery <sup>[7]</sup>
- SS Sani-shield acrylic cover with double gasket <sup>[8]</sup>
- SS/PC Sani-shield polycarbonate cover with double gasket <sup>[9]</sup>
- AMW Anti-microbial white finish
- NEMA F Flange kit, factory installed <sup>[10]</sup>
- CP Chicago Plenum (CCEA)
- EQCLIPS Earthquake clips <sup>[11]</sup>

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

- DMX DMX512/RDM
- UNV 120-277V

## VOLTAGE

## NOTES

- <sup>1</sup> Lumen output based on D shielding, 80 CRI/3500K CCT. Actual performance 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> 2x2 and 2x4 only. White output only in emergency mode.
- <sup>6</sup> 1x4 only. White output only in emergency mode.
- <sup>7</sup> 2x2 and 2x4 only. Not available when CEC regulations are required. White output only in emergency mode.
- <sup>8</sup> Reduces lumen output by 10%. See page 3 for FIXTURE DETAILS.
- <sup>9</sup> Reduces lumen output by 10%. See page 3 for FIXTURE DETAILS.
- <sup>10</sup> See page 3 for CROSS SECTIONS.
- <sup>11</sup> 4 per fixture. Optional for 1” grid installations. Required for 9/16” grid mounting. Not available with NEMA F Option.



# AT3 tunable RGBW Architectural Troffer – Straight Floating Center

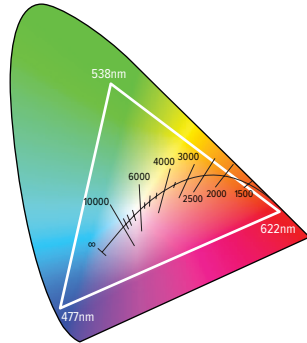
## FIXTURE PERFORMANCE DATA

	WHITE ONLY			MAX POWER	MAX COLOR LUMENS			UNIFIED GLARE RATING (UGR) <sup>[1]</sup>	
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	WATTAGE	RED	GREEN	BLUE	CROSSWISE	ENDWISE
1x4	3997	44.6	90	117	954	2427	969	19.6	18.0
2x2	3997	44.6	90	117	954	2427	969	19.0	20.2
2x4	7993	89.2	90	117	1908	4854	1938	17.7	18.4

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

## MULTIPLIER TABLE

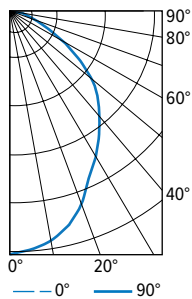
	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89



<sup>1</sup> UGR reference values based on 4H x 8H room size with 70%, 50%, and 20% reflectance. Actual values vary based on luminaire options and application specifications.

## PHOTOMETRY

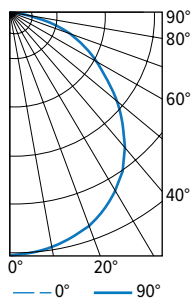
AT3-14-L40/RGB835-D-DMX-UNV White only Total Luminaire Output: 3997 lumens; 44.6 Watts | Efficacy: 90 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1823	1823	1823	
	5	1803	1798	1794	171
	15	1707	1684	1663	474
	25	1459	1415	1387	659
	35	1215	1169	1150	735
	45	986	952	944	728
	55	680	664	639	593
	65	446	432	319	396
	75	217	155	142	191
	85	60	41	31	51
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1304	33
	0 - 40	2039	51
	0 - 60	3359	84
	0 - 90	3997	100
	0 - 180	3997	100

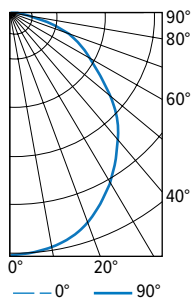
AT3-22-L40/RGB835-D-DMX-UNV White only Total Luminaire Output: 3997 lumens; 44.6 Watts | Efficacy: 90 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1557	1557	1557	
	5	1557	1549	1547	147
	15	1461	1475	1498	417
	25	1287	1352	1406	621
	35	1066	1156	1242	725
	45	836	930	1013	712
	55	592	697	758	609
	65	366	464	521	453
	75	182	266	282	260
	85	41	35	25	55
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1185	30
	0 - 40	1909	48
	0 - 60	3231	81
	0 - 90	3997	100
	0 - 180	3997	100

AT3-24-L80/RGB835-D-DMX-UNV White only Total Luminaire Output: 7993 lumens; 89.2 Watts | Efficacy: 90 lm/W | 80 CRI; 3500K CCT



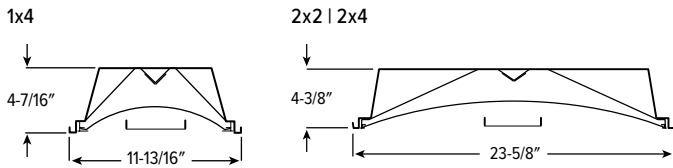
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	3185	3185	3185	
	5	3168	3169	3171	301
	15	2989	3015	3055	850
	25	2586	2670	2772	1234
	35	2096	2243	2390	1406
	45	1688	1887	2012	1418
	55	1167	1352	1439	1194
	65	780	953	1024	913
	75	407	556	556	544
	85	121	86	81	134
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2385	30
	0 - 40	3791	47
	0 - 60	6403	80
	0 - 90	7993	100
	0 - 180	7993	100

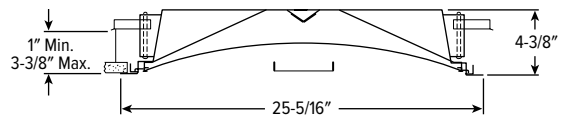


# AT3 tunable **RGBW** Architectural Troffer – Straight Floating Center

## CROSS SECTIONS



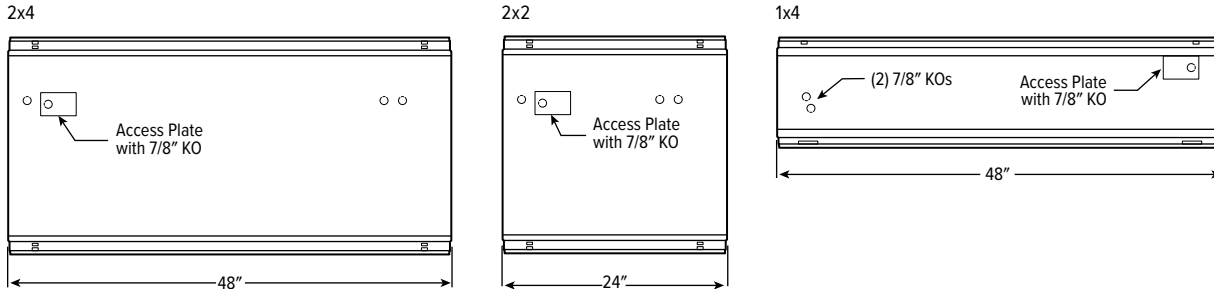
## FLANGE KIT INSTALLATION



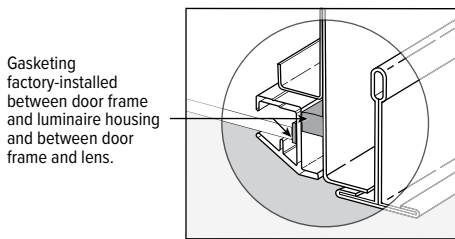
Maximum recommended ceiling opening is 24-3/8" x 24-3/8" for 2'x2' and 24-3/8" x 48-3/8" for 2'x4'. For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates.

## FIXTURE DETAILS

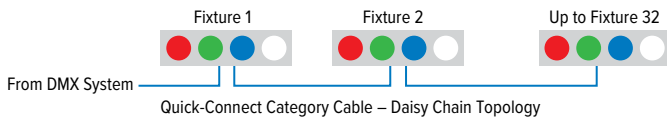
### BACKVIEW



### SS | SS/PC OPTIONS GASKETING DETAILS



## CONTROL DETAILS



Note: Fixtures ship with DMX starting address of 1. (Red: 1, Green: 2, Blue: 3, White: 4). Terminator resistor (by others) is recommended at the end of each DMX run.

See DMX/RDM System Architecture Overview for details: [hew.com/dmx-rdm](http://hew.com/dmx-rdm)

