

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
- Curved floating 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
- 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.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: AT1 - 2 4 - L83/RGB835 - D - OPTIONS - DMX - UNV

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ^[1]	COLOR/CRI	CCT	SHIELDING
AT1	1 1'	2 2' ^[2]	1x4	RGB8 80	27 2700K	D Diffuse matte acrylic center
		4 4'	L42 4,200lm	RGB9 90	30 3000K	P Perforated center ^[3]
	2x2		L42 4,200lm		35 3500K	
			L42 4,200lm		40 4000K	
			L83 8,300lm		50 5000K	

OPTIONS

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

CONTROL ^[4]

DMX DMX512/RDM

VOLTAGE

UNV 120-277V

NOTES

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



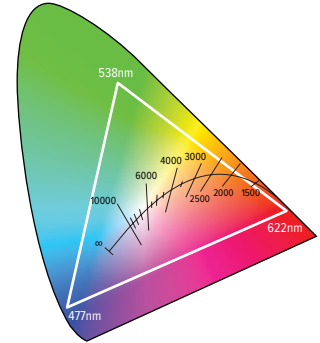
FIXTURE PERFORMANCE DATA

	WHITE ONLY			MAX POWER	MAX COLOR LUMENS		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	WATTAGE	RED	GREEN	BLUE
1x4	4163	44.6	93	117	994	2528	1010
2x2	4163	44.6	93	117	994	2528	1010
2x4	8326	89.2	93	117	1987	5056	2019

- 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.

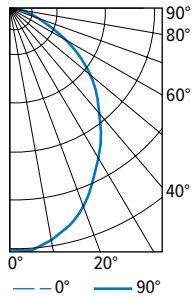
MULTIPLIER TABLE

	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



PHOTOMETRY

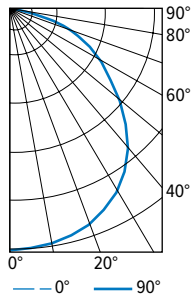
AT1-14-L42/RGB835-D-DMX-UNV White only Total Luminaire Output: 4163 lumens; 44.6 Watts | Efficacy: 93 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1889	1889	1889	
	5	1904	1902	1901	179
	15	1777	1767	1761	499
	25	1546	1525	1510	706
	35	1284	1262	1244	784
	45	982	964	950	743
	55	668	667	650	600
	65	434	434	348	406
	75	210	175	157	199
	85	56	35	25	47
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1384	33
	0 - 40	2168	52
	0 - 60	3511	84
	0 - 90	4163	100
	0 - 180	4163	100

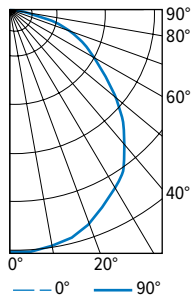
AT1-22-L42/RGB835-D-DMX-UNV White only Total Luminaire Output: 4163 lumens; 44.6 Watts | Efficacy: 93 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1572	1572	1572	
	5	1574	1566	1565	149
	15	1484	1501	1527	423
	25	1309	1367	1444	632
	35	1101	1183	1296	744
	45	849	958	1065	741
	55	607	731	802	642
	65	386	500	570	484
	75	199	293	326	282
	85	44	54	48	66
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1204	29
	0 - 40	1948	47
	0 - 60	3330	80
	0 - 90	4163	100
	0 - 180	4163	100

AT1-24-L83/RGB835-D-DMX-UNV White only Total Luminaire Output: 8326 lumens; 89.2 Watts | Efficacy: 93 lm/W | 80 CRI; 3500K CCT



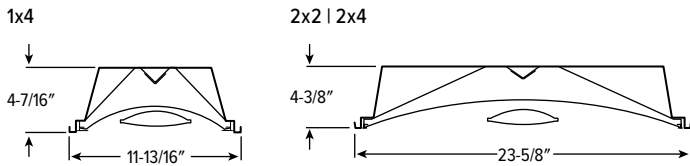
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	3204	3204	3204	
	5	3206	3212	3214	304
	15	3012	3063	3123	862
	25	2598	2733	2885	1265
	35	2182	2406	2609	1487
	45	1660	1941	2106	1465
	55	1168	1430	1541	1251
	65	765	1003	1084	956
	75	400	595	611	579
	85	114	122	124	158
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2431	29
	0 - 40	3917	47
	0 - 60	6633	80
	0 - 90	8326	100
	0 - 180	8326	100

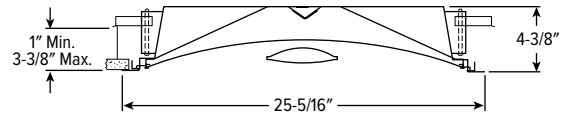


AT1 tunable RGBW Architectural Troffer – Curved Floating Center

CROSS SECTIONS



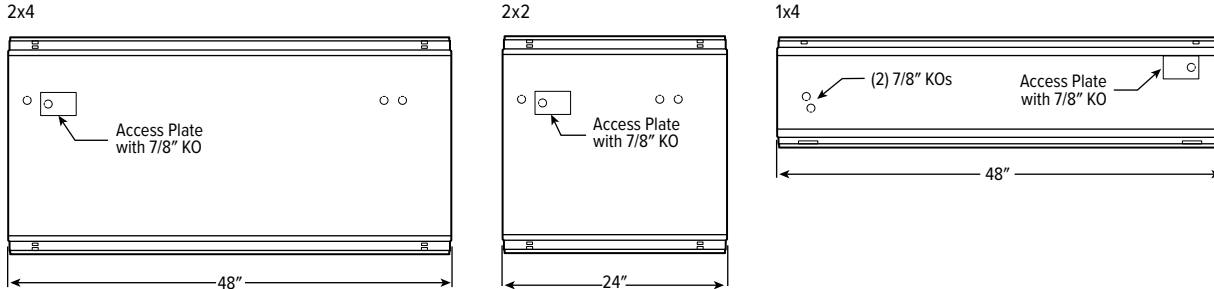
FLANGE KIT INSTALLATION



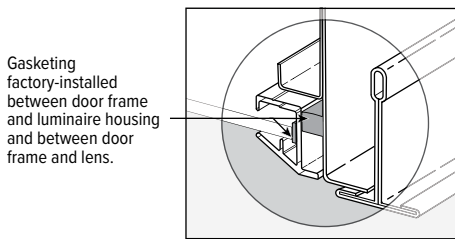
Maximum recommended ceiling opening is 24-3/8" x 24-3/8" for 2'x2' and 24-3/8" x 48-3/8" for 2'x4'. For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates.

FIXTURE DETAILS

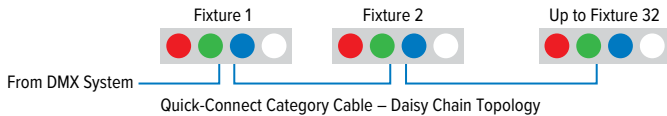
BACKVIEW



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