

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Backlit curved lens provides uniform illumination for visual comfort
- Curved floating center detail creates a highly-aesthetic presence
- Maximize energy savings with efficacies as high as 107 lm/w
- 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
- Wireless in-fixture control solutions available
- 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 molded acrylic lens with center detail.
- 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 >50,000 hours per IES TM-21. Tunable White products use LEDs of multiple shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- 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 - L69/8TW - D - OPTIONS - CONTROL/DALI - UNV

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT	SHIELDING	
AT1	1 1'	2 2' ^[2]	1x4	8 80	TW	Tunable white (3000K-5000K)	
			L20 2,000lm				
			L40 4,000lm				
	2 2'	4 4'	L54 5,400lm	9 90	TW2	Tunable white (2700K-6500K)	
			2x2				
			L20 2,000lm				
	2x2	L35 3,500lm	L50 5,000lm	2x4	L35 3,500lm	L50 5,000lm	
							L69 6,900lm
	2x4	L35 3,500lm	L50 5,000lm	L69 6,900lm			
					L69 6,900lm		
						L69 6,900lm	

OPTIONS

- EM/10W** 10-watt emergency battery ^[5]
- EM/10WLP** Low-profile 10-watt emergency battery ^[6]
- EM/12W** 12-watt emergency battery ^[7]
- EQCLIPS** Earthquake clips ^[8]
- (L__)** Additional lower lumen packages available ^[9]
Example: 6,000 nominal lumens = AT1-24-L69/8TW-D-(L60)
- SS** Sani-shield acrylic cover with double gasket ^[10]
- SS/PC** Sani-shield polycarbonate cover with double gasket ^[11]
- AMW** Anti-microbial white finish
- NEMA F** Flange kit, factory installed ^[12]
- CP** Chicago Plenum (CCEA)

CONTROL ^[4]

- See page 4 for ADDITIONAL CONTROL OPTIONS.
- None
 - AWN R** Lutron Athena wireless node integral fixture control, RF only ^[13]
 - AWN S** Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing ^[14]

DRIVER

- See page 4 for DRIVER DETAILS.
- DALI** Driver prewired for DALI applications
 - DIM** Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT
 - DMX** Driver prewired for DMX applications
 - DSR** Sensor-ready driver without external dimming wires (D4i DALI-2). ^[15]
 - LD2** Lutron DALI-2 digital driver, 1%

VOLTAGE

- 120 120V
- 277 277V
- UNV 120-277V

NOTES

- Lumen output based on D Shielding, 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- 2' width only.
- Decreases lumen output by 15%
- See page 3 for SENSOR & NODE PLACEMENT DETAILS.
- 2x2, 2x4 only.
- 1x4 only.
- 2x2, 2x4 only. Not available when CEC regulations are required.
- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting. Not available with NEMA F Option.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Reduces lumen output by 10%. See page 3 for FIXTURE DETAILS.
- Reduces lumen output by 10%. See page 3 for FIXTURE DETAILS.
- See page 3 for CROSS SECTIONS.
- DSR and LD2 Drivers only.
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- Lutron Athena Controls only.



AT1 tunable WHITE Architectural Troffer – Curved Floating Center

FIXTURE PERFORMANCE DATA

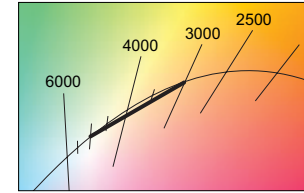
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L20	2039	21.1	97
	L40	4007	43.6	92
	L54	5440	55.4	98
2x2	L20	2039	21.1	97
	L35	3535	38.0	93
	L50	4972	54.7	91
2x4	L35	3525	32.8	107
	L50	5020	47.0	107
	L69	6961	68.4	102

- Photometrics tested in accordance with IESNA LM-79. Results based on D shielding, 80 CRI/4000K 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.

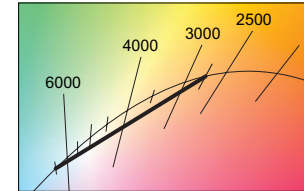
MULTIPLIER TABLE

	CCT	COLOR TEMPERATURE			
		TW		TW2	
		LUMENS	WATTAGE	LUMENS	WATTAGE
80 CRI	2700K	-	-	0.93	1.02
	3000K	0.95	1.04	0.95	1.01
	3500K	0.98	1.02	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	0.96	1.04	1.02	1.00
6500K	-	-	1.01	1.04	
90 CRI	2700K	-	-	0.81	1.02
	3000K	0.83	1.04	0.83	1.01
	3500K	0.86	1.02	0.86	1.00
	4000K	0.88	1.00	0.88	1.00
	5000K	0.84	1.04	0.89	1.00
	6500K	-	-	0.88	1.04

TW

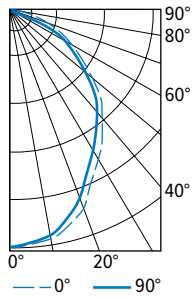


TW2



PHOTOMETRY

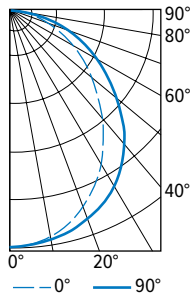
AT1-14-L54/8TW-D-DALI Total Luminaire Output: 5440 lumens; 55.4 Watts | Efficacy: 98 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	2469	2469	2469	
	5	2488	2486	2484	234
	15	2322	2309	2301	652
	25	2020	1992	1973	922
	35	1677	1649	1626	1025
	45	1283	1259	1242	971
	55	873	871	850	784
	65	567	567	455	531
	75	274	229	205	259
	85	73	45	32	62
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1809	33
	0 - 40	2833	52
	0 - 60	4588	84
	0 - 90	5440	100
	0 - 180	5440	100

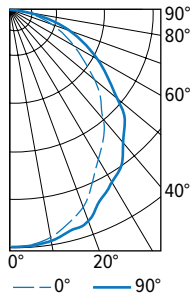
AT1-22-L50/8TW-D-DALI Total Luminaire Output: 4973 lumens; 54.7 Watts | Efficacy: 91 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1878	1878	1878	
	5	1880	1871	1869	178
	15	1772	1793	1823	506
	25	1563	1633	1725	755
	35	1315	1414	1548	889
	45	1014	1145	1272	885
	55	725	873	958	766
	65	461	597	680	578
	75	238	350	390	337
	85	53	65	58	79
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1438	29
	0 - 40	2327	47
	0 - 60	3978	80
	0 - 90	4973	100
	0 - 180	4973	100

AT1-24-L69/8TW-D-DALI Total Luminaire Output: 6961 lumens; 68.4 Watts | Efficacy: 102 lm/W | 80 CRI; 4000K CCT



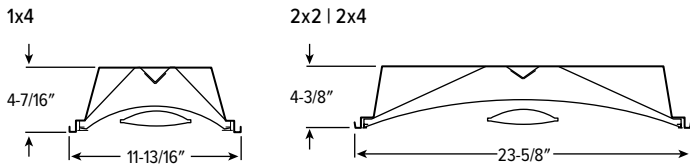
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	2678	2678	2678	
	5	2680	2685	2687	254
	15	2518	2561	2610	721
	25	2172	2285	2411	1057
	35	1824	2011	2181	1243
	45	1388	1623	1761	1225
	55	976	1196	1288	1045
	65	640	838	906	799
	75	334	497	511	484
	85	95	102	104	132
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2032	29
	0 - 40	3275	47
	0 - 60	5545	80
	0 - 90	6961	100
	0 - 180	6961	100

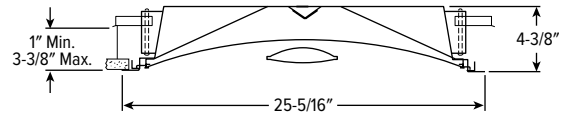


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CROSS SECTIONS



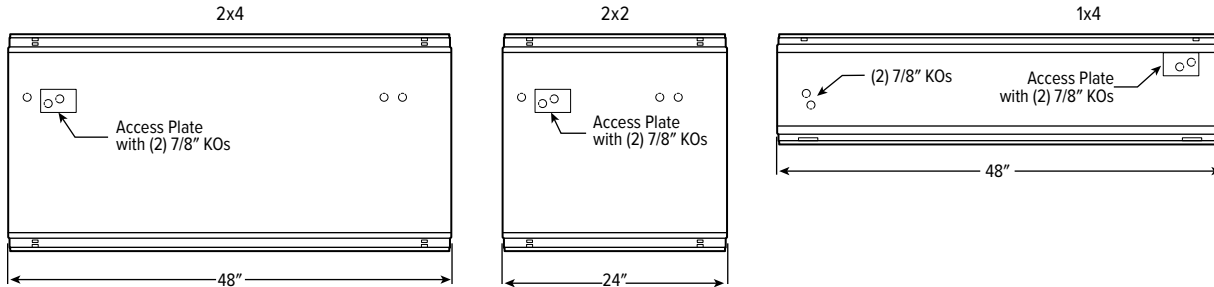
FLANGE KIT INSTALLATION



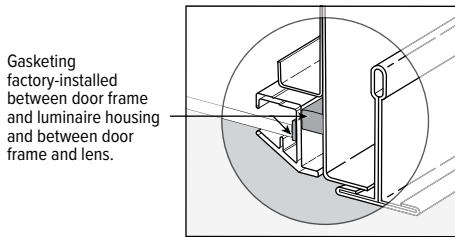
Maximum recommended ceiling opening is 24-3/8" x 24-3/8" for 2'x2' and 24-3/8" x 48-3/8" for 2'x4'. For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates.

FIXTURE DETAILS

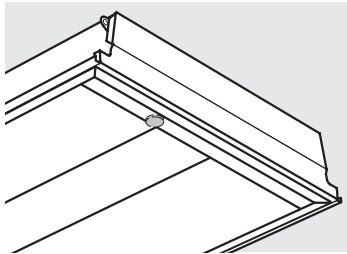
BACKVIEW



SS | SS/PC OPTIONS GASKETING DETAILS



SENSOR & NODE PLACEMENT DETAILS



SEE NEXT PAGE FOR CONTROL DETAILS.

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ADDITIONAL CONTROL OPTIONS

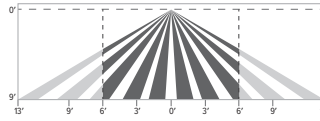
AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DSR and LD2 Drivers only.

SPECIFICATIONS	
TYPE	Radio Frequency
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Clear Connect gateway – Type X with app (iOS or Android)
MANUFACTURER	Lutron



SENSOR COVERAGE PATTERNS

9' height: ø12' coverage



Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8'	114
9'	144
10'	178
12'	256

SENSOR DETAIL



Dimensions: ø1-1/8"

ATHENA CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
AWNR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.

DRIVER DETAILS

DIM



DALI



DMX



LD2

