

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_



**FEATURES**

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Low-profile depth for shallow plenum applications
- Diffuse lens provides smooth illumination for visual comfort
- Air return capability reduces number of unsightly ceiling vents for a cleaner appearance
- Surface mount kit preserves continuity
- Maximize energy savings with efficacies as high as 126 lm/W
- Rated for direct contact with insulation
- ISO 5-9 and IP5X rated for cleanroom applications
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

**SPECIFICATIONS**

- **HOUSING/REFLECTOR** – Precision die-formed 22-gauge C.R.S.
- **SHIELDING** – Frosted acrylic.
- **FINISH** – Highly reflective non-glare matte 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. Surface mount and drywall flange kits available, shipped separately, see options.
- **LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - IC-rated for direct contact with insulation.
  - IP5X rated.
  - ISO 5-9 rated.
  - 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: LT - 2 4 - L80/8TW - AF - OPTIONS - CONTROL/DALI - UNV**

**ORDERING INFO**

SERIES	WIDTH	LENGTH	LUMENS <sup>(1)</sup>	CRI	CCT	SHIELDING
LT Static	1 1' <sup>(3)</sup>	2 2' <sup>(4)</sup>	1x4	8 80	TW Tunable white (3000K-5000K)	AF Frosted acrylic
LT-AR Air Return <sup>(2)</sup>	2 2'	4 4'	L28 2,800lm L47 4,700lm L63 6,300lm	9 90	TW2 Tunable white (2700K-6500K)	
			2x2			
			L27 2,700lm L39 3,900lm L49 4,900lm			
			2x4			
			L50 5,000lm L64 6,400lm L80 8,000lm			

**OPTIONS <sup>(5)</sup>**

- EM/10W** 10-watt emergency battery
- EM/12W** 12-watt emergency battery <sup>(7)</sup>
- EQCLIPS** Earthquake clips <sup>(8)</sup>
- (L\_\_)** Additional lower lumen packages available. <sup>(9)</sup>  
Example: 5,800 lumens = LT-24-L64/8TW-(L58)
- CP** Chicago Plenum (CCEA)
- LT-14-SMK-W** Surface mount kit, 1'x4', white
- LT-22-SMK-W** Surface mount kit, 2'x2', white
- LT-24-SMK-W** Surface mount kit, 2'x4', white
- DFK-1248W** Drywall kit, 12" x 48", white
- DFK-2424W** Drywall kit, 24" x 24", white
- DFK-2448W** Drywall kit, 24" x 48", white

**CONTROL <sup>(6)</sup>**

- See page 4 for **ADDITIONAL CONTROL OPTIONS**.
- None
- AWNRR** Lutron Athena wireless node integral fixture control, RF only <sup>(10)</sup>
- AWNWS** Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing <sup>(11)</sup>

**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). <sup>(12)</sup>
- LD2** Lutron DALI-2 digital driver, 1%

**VOLTAGE**

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

**NOTES**

- <sup>1</sup> Lumens based on 80 CRI/4000 CCT. Actual performance may vary +/-5%, see page 2 for **FIXTURE PERFORMANCE DATA**. Additional lumen packages available, see Options.
- <sup>2</sup> Air return through side slots. Not available with Surface Mount or CP Options. Not qualified for IP5X, ISO 5-9, or IC ratings.
- <sup>3</sup> 4' length only.
- <sup>4</sup> 2' width only.
- <sup>5</sup> See page 3 for **SURFACE MOUNT KIT DETAILS**. See page 3 for **DRYWALL KIT (DFK) OPTIONS**. See Technical Info for **Power Entry** details.
- <sup>6</sup> See page 4 for **SENSOR & NODE PLACEMENT DETAILS**.
- <sup>7</sup> Not available when CEC regulations are required.
- <sup>8</sup> 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting; LT is compatible with Williams earthquake clips only.
- <sup>9</sup> Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- <sup>10</sup> DSR and LD2 Drivers only.
- <sup>11</sup> DSR and LD2 Drivers only.
- <sup>12</sup> Lutron Athena Controls only.



**FIXTURE PERFORMANCE DATA**

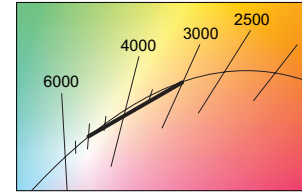
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L28	2855	22.6	126
	L47	4721	39.6	119
	L63	6308	54.8	115
2x2	L27	2797	24.6	114
	L39	3901	32.5	120
	L49	4969	42.7	116
2x4	L50	5082	42.0	121
	L64	6443	54.7	118
	L80	8003	63.7	126

- Photometrics tested in accordance with IESNA LM-79. Results based on 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.

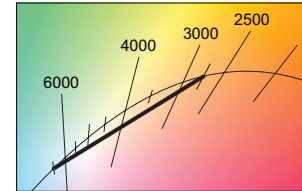
**MULTIPLIER TABLE**

	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**

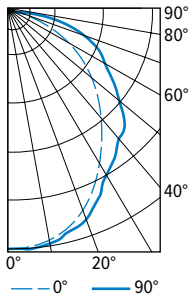


**TW2**



**PHOTOMETRY**

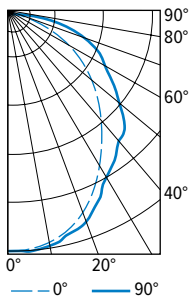
**LT-14-L63/8TW-AF-DALI** Total Luminaire Output: 6308 lumens; 55 Watts | Efficacy: 115 lm/W | 80 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2397	2397	2397	
5	2408	2404	2404	228
15	2266	2284	2305	645
25	2012	2064	2114	943
35	1658	1754	1850	1088
45	1318	1472	1606	1121
55	939	1110	1259	989
65	610	793	882	755
75	316	433	401	425
85	84	98	74	114
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1815	29
	0 - 40	2903	46
	0 - 60	5013	80
	0 - 90	6308	100
	0 - 180	6308	100

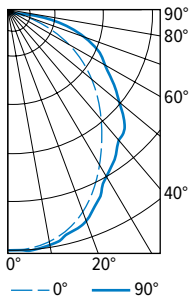
**LT-22-L49/8TW-AF-DALI** Total Luminaire Output: 4969 lumens; 43 Watts | Efficacy: 116 lm/W | 80 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1716	1716	1716	
5	1716	1704	1705	162
15	1637	1641	1656	464
25	1494	1517	1552	701
35	1268	1337	1407	836
45	991	1119	1222	859
55	710	872	1005	779
65	459	638	791	626
75	234	413	546	417
85	53	116	113	125
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1328	27
	0 - 40	2163	44
	0 - 60	3802	77
	0 - 90	4969	100
	0 - 180	4969	100

**LT-24-L80/8TW-AF-DALI** Total Luminaire Output: 8003 lumens; 64 Watts | Efficacy: 126 lm/W | 80 CRI; 4000K CCT

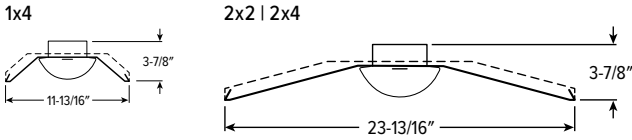


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2840	2840	2840	
5	2821	2823	2824	268
15	2661	2686	2712	763
25	2357	2430	2499	1125
35	1991	2121	2245	1326
45	1625	1834	2022	1390
55	1140	1386	1602	1230
65	735	1019	1251	990
75	367	652	826	668
85	107	260	249	244
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2156	27
	0 - 40	3482	44
	0 - 60	6102	76
	0 - 90	8003	100
	0 - 180	8003	100

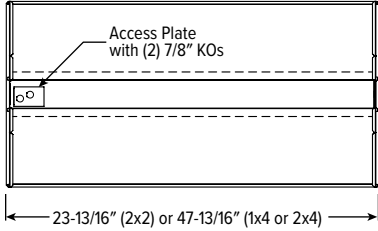


**CROSS SECTIONS**

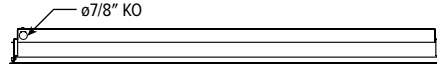


**FIXTURE DETAILS**

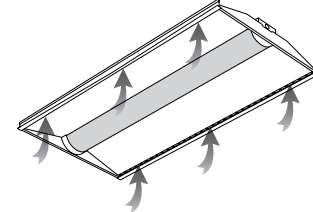
**BACK VIEW**



**SIDE VIEW**



**AIR RETURN**

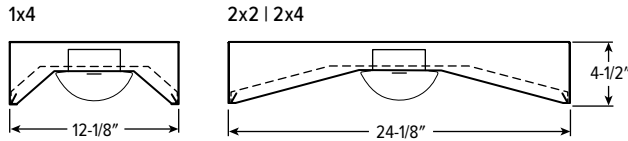


Total Air Return Space: 12-1/2" sq. (2x2) and 25-1/2" sq. (1x4 and 2x4)

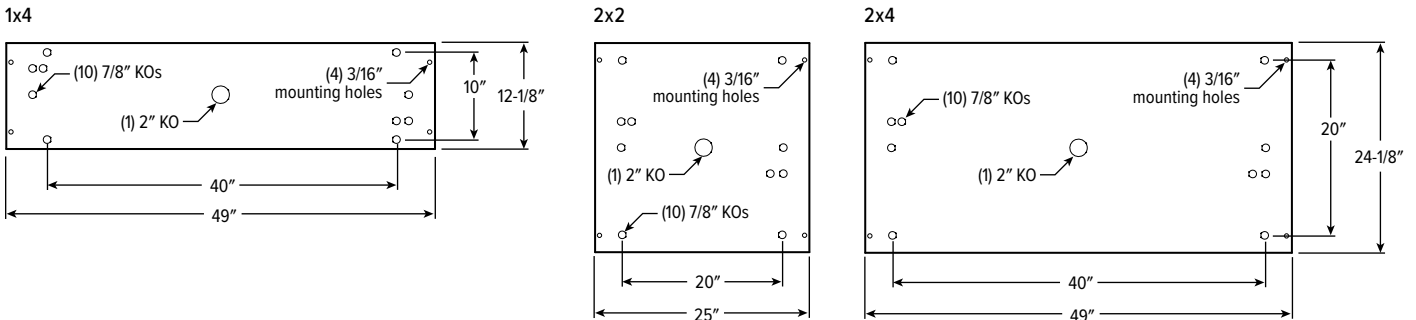
**SURFACE MOUNT KIT DETAILS**



**CROSS SECTIONS**



**BACK VIEWS**



**DRYWALL KIT (DFK) OPTIONS**

**ORDERING INFO**

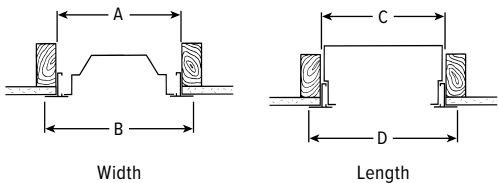
EXAMPLE: DFK - 24 48 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall kit	12 1'	48 4'	W White AMW Anti-microbial white
	24 2'	24 2'	
	24 2'	48 4'	

**INSTALLATION DIMENSIONS**

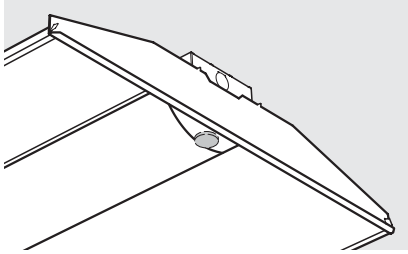
NOMINAL SIZE	ROUGH-IN		FINISH TRIM SIZE	
	WIDTH (A)	LENGTH (C)	WIDTH (B)	LENGTH (D)
1' x 4'	12-3/8"	48-3/8"	13-5/16"	49-5/16"
2' x 2'	24-3/8"	24-3/8"	25-5/16"	25-5/16"
2' x 4'	24-3/8"	48-3/8"	25-5/16"	49-5/16"

**TYPICAL INSTALLATION**

Refer to table for dimensions.



**SENSOR & NODE PLACEMENT DETAILS**



**ADDITIONAL CONTROL OPTIONS**

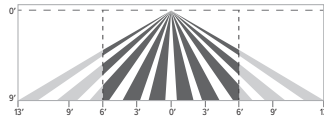
**AWNS** Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DSR and LD2 Drivers only.

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

