

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- 3-7/16" deep housing installs easily within limited plenum space
- Gasketed door frame features offset mitered corners to eliminate light leaks
- Cam latches close securely and allow hassle-free maintenance
- Reversible door hinges and latches allow access on either side
- Deep reinforcement ribs provide added strength
- Integral T-bar clips quickly secure fixture to structure
- Maximize energy savings with efficacies as high as 129 lm/W
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING** – 22-gauge die-formed C.R.S.
- DOOR FRAME** – 22-gauge C.R.S., offset mitered corners, cam latches, and T-style hinges.
- SHIELDING** – Frosted acrylic, pattern #12, .095" thick.
- FINISH** – 92% minimum average 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 board. L70 > 50,000 hours per IES TM-21. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING** – Designed for NEMA Type "G" 1" grid ceiling standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. Flange installation available, shipped separately; see page 3 for DRYWALL KIT (DFK) OPTIONS.
- LISTINGS** –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - City of Chicago Environmental Air approved when specified with CP option.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: LPT - 2 4 - L81/8TW - S AF12095 - OPTIONS - DIM - UNV

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ⁽¹⁾	CRI	CCT	DOOR FRAME
LPT	2 2'	2 2' ⁽²⁾	2x2	8 80	TW Tunable white (3000K-5000K)	S White flat steel
		4 4'	L45 4,500lm	9 90 ⁽³⁾	TW2 Tunable white (2700K-6500K)	
			L45 4,500lm			
			L81 8,100lm			

SHIELDING

- AF12095** Frosted acrylic, pattern #12, .095" thick
- A12125** Clear acrylic, pattern #12, .125" thick ⁽⁵⁾
- AF12125** Frosted acrylic, pattern #12, .125" thick
- A19156** Clear acrylic, pattern #19, .156" thick ⁽⁶⁾
- AF19156** Frosted acrylic, pattern #19, .156" thick

OPTIONS ⁽⁴⁾

- EM/7W** 7-watt emergency LED battery ⁽⁷⁾
- EM/7W/BMTD** Back-mounted 7-watt emergency battery ⁽⁸⁾
- EM/10W** 10-watt emergency battery ⁽⁹⁾
- EM/10W/BMTD** Back-mounted 10-watt emergency battery ⁽¹⁰⁾
- EM/12W** 12-watt emergency battery ⁽¹¹⁾
- EM/12W/BMTD** Back-mounted 12-watt emergency battery ⁽¹²⁾
- EQCLIPS** Earthquake clips ⁽¹³⁾
- (L__)** Additional lower lumen packages available. ⁽¹⁴⁾ Example: 7,500 nominal lumens = LPT-24-L81/8TW-SAF12095-(75).
- CP** Chicago Plenum (CCEA)

CONTROL ⁽¹⁵⁾

- 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
- PSQ** Lutron T-Series 2-channel tunable white 1%.

VOLTAGE

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

NOTES

- Lumen output based on 4000 CCT. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see options.
- 2' width only.
- Extended lead times may apply. Consult factory for availability.
- See page 3 for DRYWALL KIT (DFK) OPTIONS.
- LED pixelation will be visible.
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- 2x4 only.
- 2x2 only. Increases fixture height. See page 2 for EMERGENCY BATTERY DETAILS.
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- 2x2 only. Increases fixture height. See page 2 for EMERGENCY BATTERY DETAILS.
- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- "CONTROL DETAILS" on page 3



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	L45	4588	40.8	112.5
	L45	4504	34.8	129.5
2x4	L81	8178	63.1	129.7

- 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, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

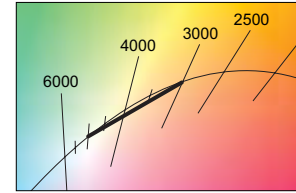
MULTIPLIER TABLES

COLOR TEMPERATURE					
CCT	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

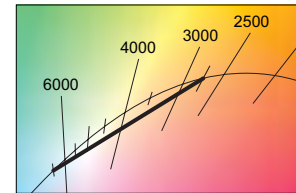
CCT	TW		TW2		
	LUMENS	WATTAGE	LUMENS	WATTAGE	
90 CRI	2700K	-	-	0.93	1.02
	3000K	0.91	1.03	0.95	1.01
	3500K	0.96	1.01	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	1.03	1.03	1.03	1.00
	6500K	-	-	1.02	1.04

LENS	CONVERSION FACTOR
AF12095	1.00
AF12125	1.00
AF19156	0.98
A12125	0.99
A19156	0.94

TW

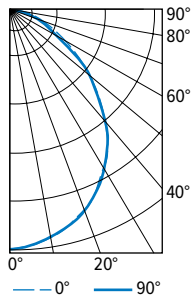


TW2



PHOTOMETRY

LPT-24-L81/8TW-SAF12095-DALI Total Luminaire Output: 8178 lumens; 63.1 Watts | Efficacy: 130 lm/W | 82 CRI; 3457K CCT



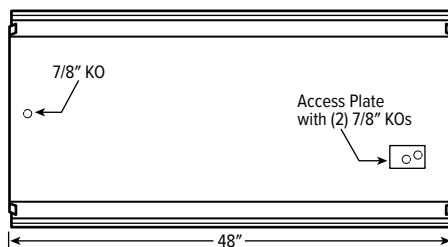
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3694	3694	3694	
5	3696	3694	3694	350
15	3503	3503	3507	989
25	3128	3128	3144	1443
35	2637	2635	2643	1632
45	1976	1952	1928	1487
55	1237	1170	1118	1065
65	713	649	653	670
75	361	340	385	389
85	137	143	169	153
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2782	34
	0 - 40	4414	54
	0 - 60	6966	85
	0 - 90	8178	100
	0 - 180	8178	100

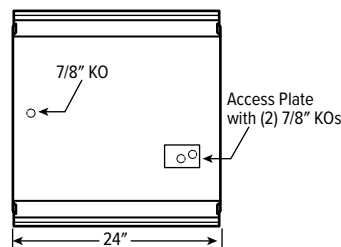
FIXTURE DETAILS

BACKVIEW

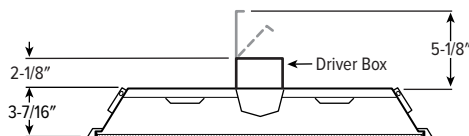
2x4



2x2



EMERGENCY BATTERY DETAILS



2x2 configurations will require EM driver to be back mounted. Additional plenum depth is required for installation and servicing. Not available with NEMA Type "F" applications. Access required through adjacent tile in grid system.



CONTROL DETAILS

DIM



DALI



DMX



LUTRON T-SERIES

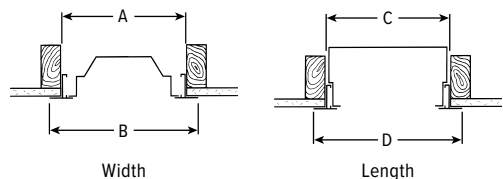


DRYWALL KIT (DFK) OPTIONS

ORDERING EXAMPLE: DFK - 24 48 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall Kit	See table below	See table below	W White AMW Anti-microbial white

TYPICAL INSTALLATION

Refer to table for dimensions.



CATALOG NUMBER	NOMINAL SIZE	ROUGH-IN		FINISH TRIM SIZE	
		WIDTH (A)	LENGTH (C)	WIDTH (B)	LENGTH (D)
DFK-2424_	2' x 2'	24-3/8"	24-3/8"	25-5/16"	25-5/16"
DFK-2448_	2' x 4'	24-3/8"	48-3/8"	25-5/16"	49-5/16"

