

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** – 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, 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.
 - 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: 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] 4 4'	2x2 L45 4,500lm 2x4 L45 4,500lm L81 8,100lm	8 80 9 90 ^[3]	TW Tunable white (3000K-5000K) TW2 Tunable white (2700K-6500K)	S White flat steel

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]

- See page 3 for **EMERGENCY BATTERY OPTIONS**.
- EQCLIPS** Earthquake clips ^[7]
(L_) Additional lower lumen packages available. ^[8]
 Example: 7,500 nominal lumens =
 LPT-24-L81/8TW-SAF12095-(75).
- CP** Chicago Plenum (CCEA)

CONTROL ^[9]

- 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 AF12095 Shielding, 80 CRI/4000K CCT. Actual performance 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.
- LED pixelation will be visible.
- 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.
- See page 3 for **CONTROL DETAILS**.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	L45	4588	40.8	112
2x4	L45	4504	34.8	129
2x4	L81	8178	63.1	130

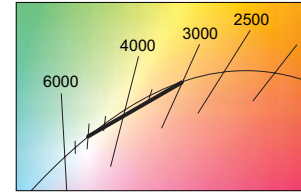
- Photometrics tested in accordance with IESNA LM-79. Results based on AF12095 shielding, 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLES

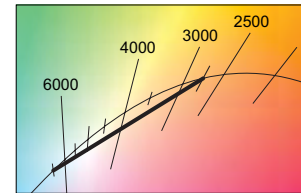
COLOR TEMPERATURE					
	CCT	TW		TW2	
		LUMENS	WATTAGE	LUMENS	WATTAGE
80 CRI	2700K	—	—	0.93	1.02
	3000K	0.95	1.04	0.95	1.01
	3500K	0.98	1.02	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	0.96	1.04	1.02	1.00
	6500K	—	—	1.01	1.04
90 CRI	2700K	—	—	0.81	1.02
	3000K	0.83	1.04	0.83	1.01
	3500K	0.86	1.02	0.86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

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

TW

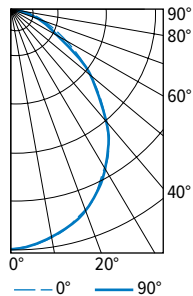


TW2



PHOTOMETRY

LPT-24-L81/8TW-SAF12095-DALI Total Luminaire Output: 8178 lumens; 63.1 Watts | Efficacy: 130 lm/W | 80 CRI; 4000K CCT



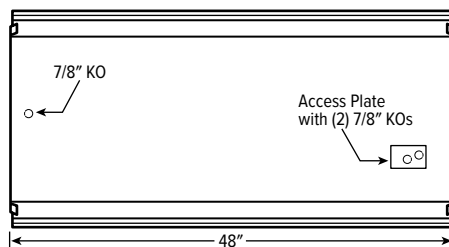
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3694	3694	3694	
5	3696	3694	3694	350
15	3503	3503	3507	989
25	3128	3128	3144	1443
35	2637	2635	2643	1632
45	1976	1952	1928	1487
55	1237	1170	1118	1065
65	713	649	653	670
75	361	340	385	389
85	137	143	169	153
90	0	0	0	

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

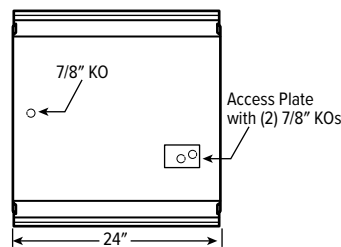
FIXTURE DETAILS

BACKVIEW

2x4



2x2



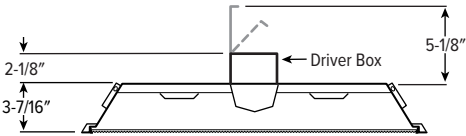
EMERGENCY BATTERY OPTIONS

Specify CEC in the option code when California Energy Commission regulations are required.

CATALOG NUMBER	DESCRIPTION
EM/10W	10-watt emergency battery ¹
EM/10W/BMTD	Back-mounted 10-watt emergency battery ²
EM/12W/BMTD	Back-mounted 12-watt emergency battery ³
EM/14W	14-watt emergency battery ¹
EM/14W/BMTD	Back-mounted 14-watt emergency battery ²

- ¹ 2x4 only.
² 2x2 only.
³ Not available when CEC regulations are required.

BMTD DETAILS



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 INFO

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

INSTALLATION DIMENSIONS

NOMINAL SIZE	ROUGH-IN		FINISH TRIM SIZE	
	WIDTH (A)	LENGTH (C)	WIDTH (B)	LENGTH (D)
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.

