

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

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

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

**FEATURES**

- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- 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 113 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" standard. For flange installations use the Drywall Kit (DFK), ordered separately, see Information section.
- 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](http://hew.com/warranty).

**ORDERING EXAMPLE: AT1 - 2 4 - L69/8TW - D - OPTIONS - DALI - UNV**

**ORDERING INFO**

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	COLOR	DOOR FRAME	SHIELDING
LPT	2 2"	2 2' <sup>[2]</sup> 4 4'	2x2 L45 4,500lm 2x4 L45 4,500lm L81 8,100lm	8TW Tunable white (80 CRI, 3000K-5000K)	S White flat steel	AF12095 Frosted acrylic, pattern #12, .095" thick A12125 Clear acrylic, pattern #12, .125" thick <sup>[3]</sup> AF12125 Frosted acrylic, pattern #12, .125" thick A19156 Clear acrylic, pattern #19, .156" thick <sup>[4]</sup> AF19156 Frosted acrylic, pattern #19, .156" thick

**OPTIONS <sup>[5]</sup>**

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

**CONTROL <sup>[6]</sup>**

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

**VOLTAGE**

120	120V
277	277V
UNV	120-277V

**NOTES**

- <sup>1</sup> Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see options
- <sup>2</sup> 2' width only
- <sup>3</sup> LED pixelation will be visible
- <sup>4</sup> LED pixelation will be visible
- <sup>5</sup> See page 3 for FINISH OPTIONS.
- <sup>6</sup> "CONTROL DETAILS" on page 3
- <sup>7</sup> Increases fixture height. See page 2 for EMERGENCY BATTERY DETAILS.
- <sup>8</sup> 2x4 only
- <sup>9</sup> 2x2 only. Increases fixture height. See page 2 for EMERGENCY BATTERY DETAILS.
- <sup>10</sup> 2x4 only.
- <sup>11</sup> 2x2 only. Increases fixture height. See page 2 for EMERGENCY BATTERY DETAILS.
- <sup>12</sup> 4 per fixture
- <sup>13</sup> Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.



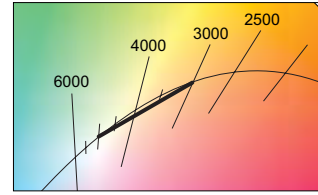
## FIXTURE PERFORMANCE DATA

	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 table to calculate additional options.

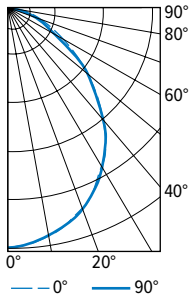
## MULTIPLIER TABLE

CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04



## PHOTOMETRY

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

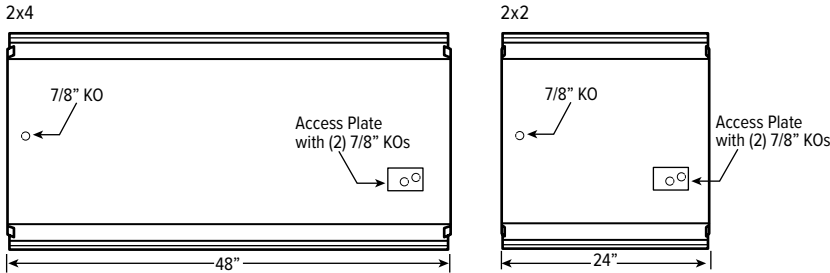


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3694	3694	3694	
5	3696	3694	3694	350
15	3503	3503	3507	989
25	3128	3128	3144	1443
35	2637	2635	2643	1632
45	1976	1952	1928	1487
55	1237	1170	1118	1065
65	713	649	653	670
75	361	340	385	389
85	137	143	169	153
90	0	0	0	

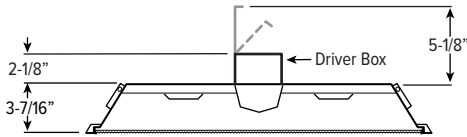
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2782	34
	0 - 40	4414	54
	0 - 60	6966	85
	0 - 90	8178	100
	0 - 180	8178	100

## FIXTURE DETAILS

### BACKVIEW

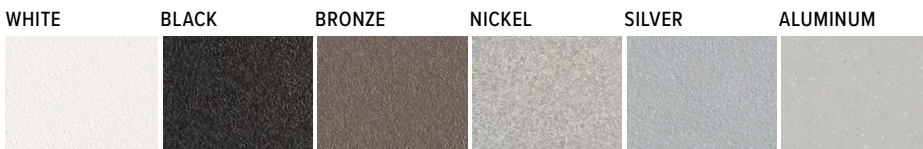


## EMERGENCY BATTERY DETAILS



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.

## FINISH OPTIONS



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.



**CONTROL DETAILS**

---

**DIM**



**DALI**



**DMX**

