

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

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

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

**FEATURES**

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Ultra slim 2-3/8" for minimal plenum space
- Uniform ambient illumination
- Room-side access
- Rated for direct contact with insulation
- Heavy duty C.R.S. construction
- Made Right Here® in the USA

**SPECIFICATIONS**

- HOUSING/REFLECTOR** – Precision die-formed 22-gauge C.R.S.
- SHIELDING** – Diffuse ribbed 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 >60,000 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** – Designed for NEMA Type "G" 1" grid ceiling standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. Drywall kit accessories available for flange applications, shipped separately, 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.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE: PT - 2 4 - L77/8TW - RA - OPTIONS - DALI - UNV**

**ORDERING INFO**

SERIES	WIDTH	LENGTH	LUMENS <sup>(1)</sup>	CRI	CCT	SHIELDING	
PT	1 1' <sup>(2)</sup>	2 2' <sup>(3)</sup>	1x4	8 80	TW Tunable white (3000K-5000K)	RA Diffuse ribbed acrylic, round	
		2 2'	L32 3,200lm L43 4,300lm	9 90 <sup>(4)</sup>		SA Diffuse ribbed acrylic, square <sup>(5)</sup>	
	2x2	L29 2,900lm	2x4	L33 3,300lm L58 5,800lm L77 7,700lm		TW2 Tunable white (2700K-6500K)	
		L43 4,300lm					
		L29 2,900lm					
		L33 3,300lm					
		L58 5,800lm					

OPTIONS <sup>(6)</sup>	CONTROL <sup>(7)</sup>	VOLTAGE
<b>EM/7W</b> 7-watt emergency LED battery <sup>(8)</sup>	<b>DALI</b> Driver prewired for DALI applications	<b>120</b> 120V
<b>EM/7WRM</b> Remote mount 7-watt emergency battery <sup>(9)</sup>	<b>DIM</b> (1) 0-10V signal to control dimming (1) 0-10V signal to control CCT	<b>277</b> 277V
<b>EM/10W</b> 10-watt emergency battery <sup>(10)</sup>	<b>DMX</b> Driver prewired for DMX applications	<b>UNV</b> 120-277V
<b>EM/10WLP</b> Low-profile 10-watt emergency battery <sup>(11)</sup>	<b>PSQ</b> Lutron T-Series 2-channel tunable white 1%.	
<b>EM/12W</b> 12-watt emergency battery <sup>(12)</sup>		
<b>EQCLIPS</b> Earthquake clips <sup>(13)</sup>		
<b>(L__)</b> Additional lower lumen packages available. Example: 7,000 lumens = PT-24-L77/8TW-(L70) <sup>(14)</sup>		
<b>AMW</b> Anti-microbial white finish		
<b>CP</b> Chicago Plenum (CCEA)		
<b>DFK-1248W</b> Drywall kit, 12" x 48", white		
<b>DFK-2424W</b> Drywall kit, 24" x 24", white		
<b>DFK-2448W</b> Drywall kit, 24" x 48", white		

**NOTES**

- Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- 4' length only.
- 2' width only.
- Extended lead times may apply. Consult factory for availability.
- Increases lumen output by 3%.
- See page 3 for DRYWALL KIT (DFK) OPTIONS.
- See page 3 for CONTROL DETAILS.
- 2x2 and 2x4 only.
- 1x4 only.
- 2x2 & 2x4 only.
- 1x4 only.
- 2x2 & 2x4 only.
- 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.

**FIXTURE PERFORMANCE DATA**

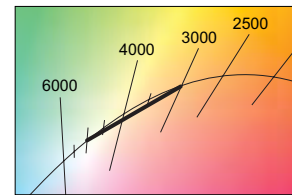
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L32	3292	27.4	120.3
	L43	4319	37.1	116.4
2x2	L29	2929	26.8	109.1
	L43	4422	38.8	113.9
2x4	L33	3423	28.6	119.9
	L58	5878	52.6	111.8
	L77	7716	65.0	118.8

- 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.

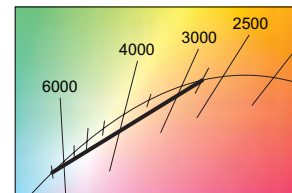
**MULTIPLIER TABLE**

		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	-	-	0.93	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

**TW**

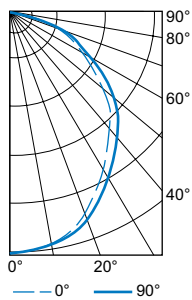


**TW2**



**PHOTOMETRY**

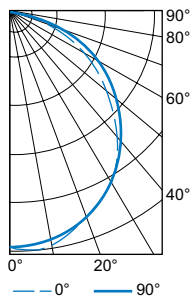
**PT-24-L77/8TW-RA-DALI** Total Luminaire Output: 7716 lumens; 65 Watts | Efficacy: 119 lm/W | 82.7 CRI; 3494K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2952	2952	2952	
5	2907	2903	2888	277
15	2822	2831	2843	793
25	2486	2519	2550	1148
35	2009	2073	2127	1294
45	1634	1724	1812	1320
55	1188	1300	1404	1166
65	769	912	1036	900
75	365	560	693	589
85	74	247	283	231
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2218	29
	0 - 40	3511	46
	0 - 60	5997	78
	0 - 90	7716	100
	0 - 180	7716	100

**PT-14-L43/8TW-RA-DALI** Total Luminaire Output: 4319 lumens; 37 Watts | Efficacy: 116 lm/W | 84.9 CRI; 3544K CCT

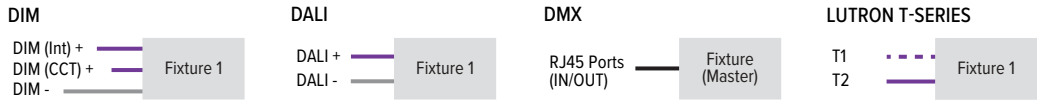


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1574	1574	1574	
5	1610	1592	1568	151
15	1538	1534	1516	431
25	1407	1414	1397	647
35	1224	1240	1241	769
45	977	1020	1035	778
55	699	768	801	683
65	448	531	545	508
75	199	279	291	284
85	31	50	59	70
90	0	0	0	

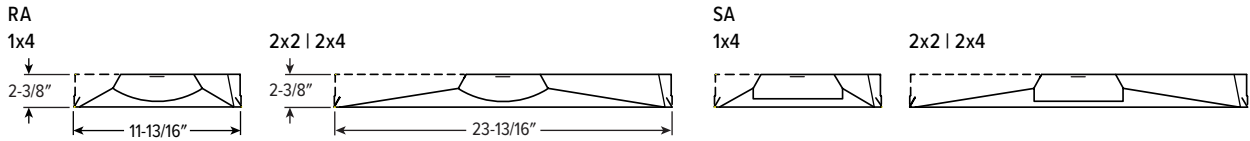
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1228	28
	0 - 40	1997	46
	0 - 60	3457	80
	0 - 90	4319	100
	0 - 180	4319	100



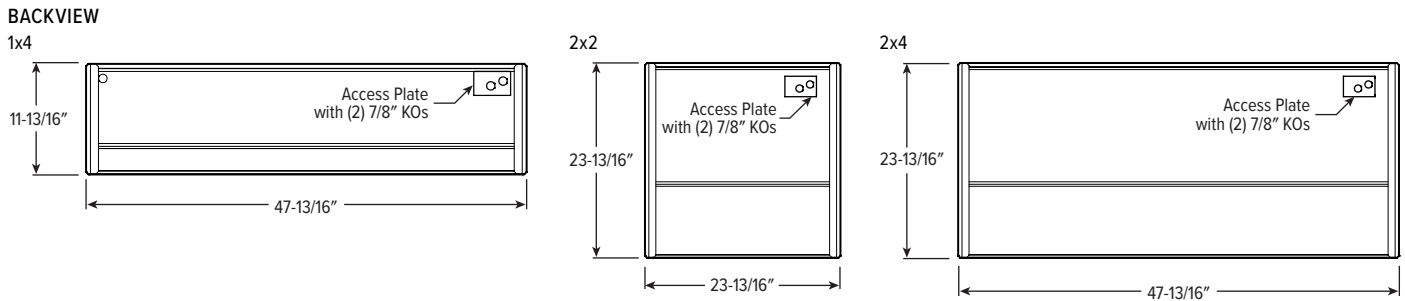
**CONTROL DETAILS**



**CROSS SECTIONS**



**FIXTURE DETAILS**

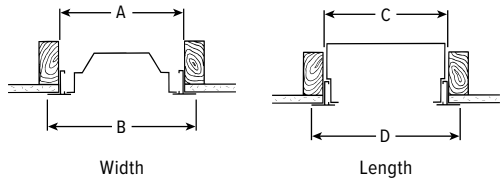


**DRYWALL KIT (DFK) OPTIONS**

ORDERING EXAMPLE: DFK - 24 24 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall Kit	See table below	See table below	<b>W</b> White <b>AMW</b> 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-1248	1' x 4'	12-3/8"	48-3/8"	13-5/16"	49-5/16"
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"