

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
- Optional anti-microbial finish for healthcare applications
- Rated for direct contact with insulation
- Heavy duty C.R.S. construction
- Round or square diffuse ribbed acrylic lens options enhance the space
- Made Right Here® in the USA

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

ORDERING INFO

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

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** – NEMA Type “G” 15/16” or 1” grid standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. 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.
 - 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.

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

NOTES

- Lumen output based on 80 CRI/4000K CCT. Actual performance 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 & 2x4 only.
- 1x4 only.
- 2x2 & 2x4 only. Not available when CEC regulations are required.
- 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

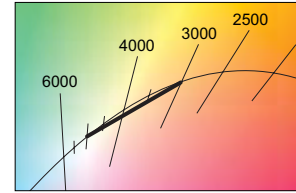
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L32	3292	27.4	120
	L43	4319	37.1	116
2x2	L29	2929	26.8	109
	L43	4422	38.8	114
2x4	L33	3423	28.6	120
	L58	5878	52.6	112
	L77	7716	65.0	119

- 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.

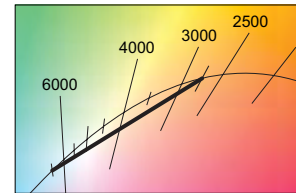
MULTIPLIER TABLE

		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

TW

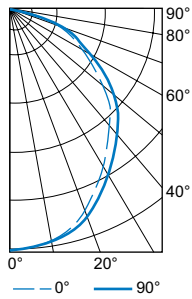


TW2



PHOTOMETRY

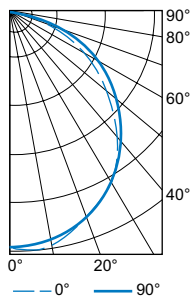
PT-24-L77/8TW-RA-DALI Total Luminaire Output: 7716 lumens; 65 Watts | Efficacy: 119 lm/W | 80 CRI; 4000K CCT



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 | 80 CRI; 4000K CCT

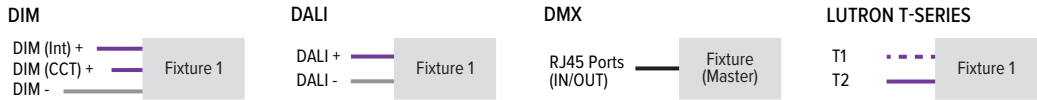


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1574	1574	1574	
5	1610	1592	1568	151
15	1538	1534	1516	431
25	1407	1414	1397	647
35	1224	1240	1241	769
45	977	1020	1035	778
55	699	768	801	683
65	448	531	545	508
75	199	279	291	284
85	31	50	59	70
90	0	0	0	

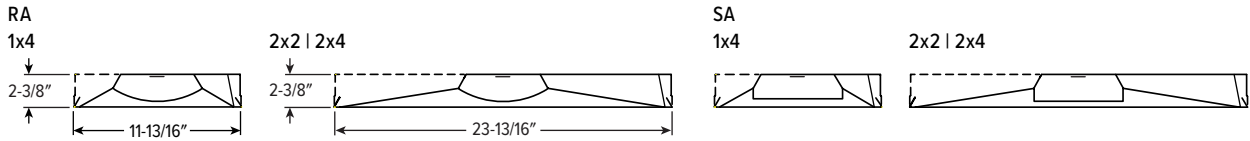
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1228	28
	0 - 40	1997	46
	0 - 60	3457	80
	0 - 90	4319	100
	0 - 180	4319	100



CONTROL DETAILS

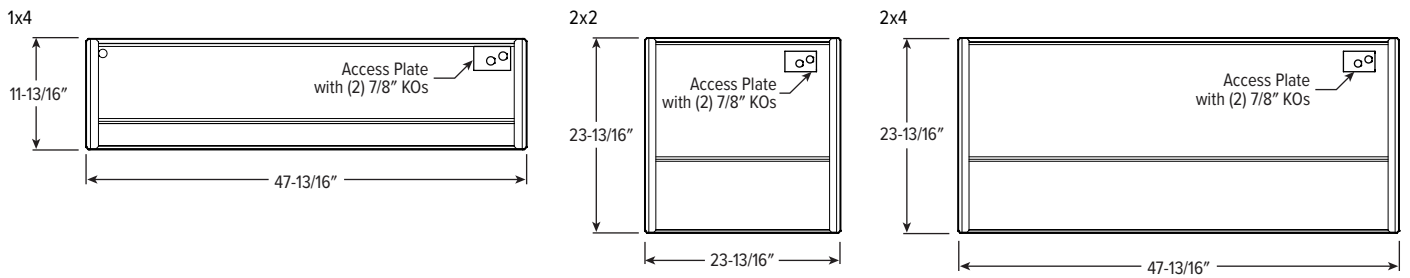


CROSS SECTIONS



FIXTURE DETAILS

BACKVIEW



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.

