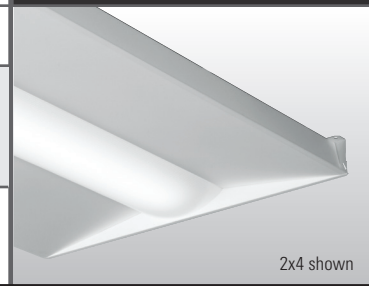


SHALLOW PLENUM TROFFER

PT

tunable **WHITE**

CATALOG #:	TYPE:
PROJECT:	NOTES:

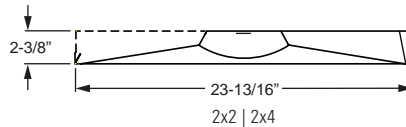
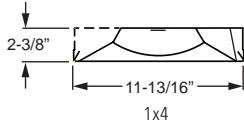


2x4 shown

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

SERIES NOM. W. NOM. L. LUMEN PACKAGE CRI & CCT SHIELDING OPTIONS CONTROL VOLTAGE

CROSS SECTIONS



ORDERING INFORMATION

SERIES
PT Shallow Plenum LED Troffer – Tunable White

NOMINAL WIDTH

1	1' (4' length only)
2	2'

NOMINAL LENGTH

2	2' (2' width only)
4	4'

LED PACKAGE

EXAMPLE: L77/8TW		WATTAGE
LUMEN PACKAGE	NOMINAL LUMENS	
1x4		
L32	3200	27
L43	4300	37
2x2		
L29	2900	27
L43	4300	39
2x4		
L33	3300	29
L58	5800	53
L77	7700	65

Nominal lumen output based on 4000 CCT. Actual lumens may vary +/-5%, see fixture performance data. Additional LED lumen packages available, see options.

COLOR

8TW Tunable white (80 CRI, 3000K–5000K)

SHIELDING

RA Diffuse ribbed acrylic

OPTIONS

EM/10W 10-watt emergency battery (120-277V only; 2x2 & 2x4 only)

EM/10WLP Low-profile 10-watt emergency battery (120-277V only; 1x4 only)

EQCLIPS (L_) Earthquake clips (4 per fixture)
 Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.

Example: 6,000 nominal lumens = PT-24-L77/8TW-(L60).

AMW Anti-microbial white finish
CP Chicago Plenum (CCEA)

ACCESSORIES (Shipped Separately)

See Technical Info for **Drywall Kit** details.

DFK-1248W Drywall kit, 12" x 48", white

DFK-2424W Drywall kit, 24" x 24", white

DFK-2448W Drywall kit, 24" x 48", white

CONTROL

DALI Driver prewired for DALI applications

DIM (1) 0-10V signal to control dimming
 (1) 0-10V signal to control CCT

DMX Driver prewired for DMX applications

VOLTAGE

120 120V

277 277V

UNV 120-277V

FEATURES

- ▶ Tunable white from 3000K to 5000K CCT, minimum 80 CRI.
- ▶ Slim 2-3/8" depth for shallow plenum applications
- ▶ Uniform ambient illumination
- ▶ Room-side access
- ▶ Diffuse ribbed acrylic combined with highly-reflective matte white paint produce high optical efficiencies while providing visual comfort.
- ▶ Rated for direct contact with insulation.
- ▶ Heavy duty C.R.S. construction.
- ▶ This fixture is proudly made 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 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” (1” nominal width grid system only). Drywall kit accessories available, ordered separately.

Labels –

- 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.

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

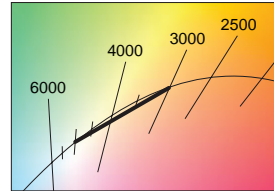
FIXTURE PERFORMANCE DATA

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.

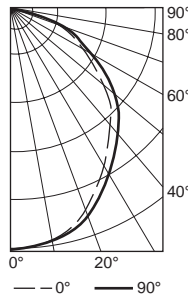
MULTIPLIER TABLE

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

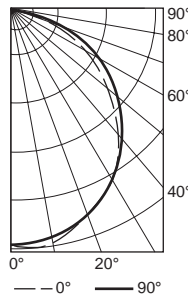
PT-24-L77/8TW-RA-DALI Total Luminaire Output: 7716 lumens; 65 Watts
Efficacy: 119 lm/W | 82.7 CRI; 3494K CCT | IES Spacing Crit.: End: 1.1, Across: 1.2, Diag.: 1.2



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 | IES Spacing Crit.: End: 1.2, Across: 1.23, Diag.: 1.3



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

FIXTURE DETAILS

