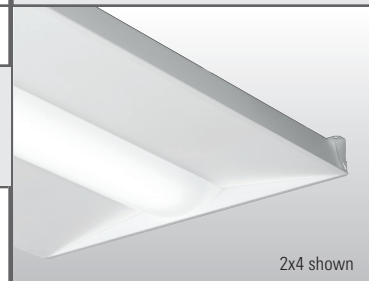


SHALLOW PLENUM TROFFER

PT

LED

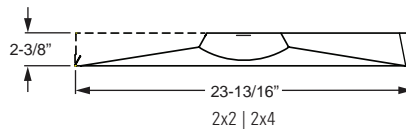
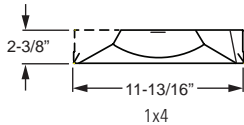
CATALOG #:	TYPE:
PROJECT:	NOTES:



EXAMPLE **PT - 2 4 - L90/835 - RA - OPTIONS - DIM - UNV**

SERIES NOM. W. NOM. L. LUMEN PACKAGE CRI & CCT SHIELDING OPTIONS/ACCESSORIES DRIVER VOLTAGE

CROSS SECTIONS



ORDERING INFORMATION

SERIES
PT Shallow Plenum LED Troffer

NOMINAL WIDTH

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

NOMINAL LENGTH

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

LED PACKAGE

EXAMPLE: L90/835			WATTAGE
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	
1x4			
L27	2700	827 = 82 CRI, 2700K	21
L45	4500		34
L61	6100		49
2x2			
L26	2600	830 = 82 CRI, 3000K	21
L43	4300	835 = 82 CRI, 3500K	35
L52	5200	840 = 82 CRI, 4000K	43
2x4			
L38	3800	850 = 82 CRI, 5000K	31
L49	4900		37
L61	6100		49
L90	9000		71

Nominal lumen output based on 3500 CCT. Actual lumens may vary +/-5%. See specific fixture performance data. Additional LED lumen packages available, see options.

SHIELDING
RA Diffuse ribbed acrylic

OPTIONS

For flexible whip options, see [Technical Info](#).

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: 8,000 nominal lumens = PT-24-L90/835-(L80).

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

DRIVER

Additional dimming drivers available, see [Technical Info](#).

DRV Driver prewired for non-dimming applications

DIM 10% dimming driver prewired for 0-10V low voltage applications

VOLTAGE

120	120V
277	277V
UNV	120-277V
347	347V

FEATURES

- ▶ Room-side access
- ▶ Slim 2-3/8" depth for shallow plenum applications
- ▶ Uniform ambient illumination
- ▶ Companion surface and retrofit kit also available, see [hew.com](#).
- ▶ Efficacies up to 134 lm/W
- ▶ 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. L80 >60,000 hours.

Mounting – NEMA Type “G” (1” nominal width grid system only). Drywall kit accessories available, ordered separately.

Listings –

- cSAus certified as luminaire suitable for dry or damp locations.
- DesignLights Consortium qualified product. Not all versions of this product may be DLC qualified, see the DLC Qualified Products List at www.designlights.org/QPL.
- 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			
L27	2723	21.4	127.4
L45	4526	33.7	134.3
L61	6059	48.5	124.9
2x2			
L26	2633	21.3	123.6
L43	4343	34.7	125.3
L52	5207	43.3	120.2
2x4			
L38	3763	31.4	119.7
L49	4928	37.2	132.6
L61	6059	48.5	124.9
L90	9018	71.4	126.4

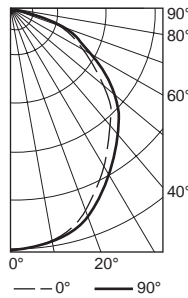
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
2700K/80CRI	0.97
3000K/80CRI	0.99
3500K/80CRI	1.00
4000K/80CRI	1.03
5000K/80CRI	1.06

PHOTOMETRY

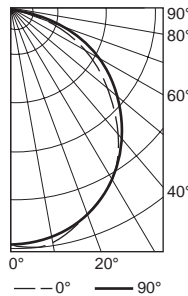
PT-24-L90/835-RA-DIM-UNV Total Luminaire Output: 9018 lumens; 71.4 Watts | Efficacy: 126 lm/W | 82.7 CRI; 3494K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3405	3405	3405	
5	3388	3388	3390	322
15	3167	3181	3201	907
25	2803	2850	2891	1324
35	2356	2444	2527	1529
45	1917	2069	2190	1572
55	1349	1525	1673	1362
65	875	1081	1246	1054
75	406	645	817	681
85	81	290	340	267
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2553	28
	0 - 40	4082	45
	0 - 60	7016	78
	0 - 90	9018	100
	0 - 180	9018	100

PT-14-L61/835-RA-DIM-UNV Total Luminaire Output: 6059 lumens; 48.5 Watts | Efficacy: 125 lm/W | 84.9 CRI; 3544K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2208	2208	2208	
5	2258	2233	2200	211
15	2158	2153	2126	604
25	1974	1984	1960	908
35	1718	1740	1741	1079
45	1370	1431	1452	1091
55	981	1078	1123	958
65	629	745	765	713
75	280	392	409	398
85	43	71	83	98
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1723	28
	0 - 40	2802	46
	0 - 60	4850	80
	0 - 90	6059	100
	0 - 180	6059	100

FIXTURE DETAILS

