

LOW-PROFILE T8 TROFFER

LPT

T8

CATALOG #:

TYPE:

PROJECT:

NOTES:

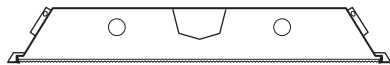
EXAMPLE

LPT - 2 4 - 3 32 - S A12125 - OPTIONS - EB3 - UNV

SERIES NOM. W. NOM. L. TOTAL WATTAGE/LAMPS TYPE DOOR FRAME SHIELDING OPTIONS BALLAST TYPE VOLTAGE



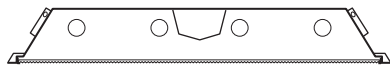
CROSS SECTIONS



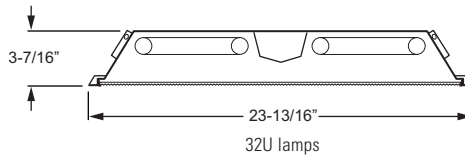
2 lamps



3 lamps



4 lamps



ORDERING INFORMATION

SERIES

LPT Low-Profile T8 Troffer

NOMINAL WIDTH

2 2'

NOMINAL LENGTH

2 2'

4 4'

TOTAL LAMPS

2, 3, or 4

LAMP WATTAGE/TYPE

2x2 LAMP OPTIONS

17 2', 17-watt T8

32U 2', U-bent, 32-watt T8, 6" leg spacing

2x4 LAMP OPTIONS

32 4', 32-watt T8

DOOR FRAME

S White flat steel

SHIELDING

A12125 Acrylic, pattern #12, .125" thick (standard)

A12100 Acrylic, pattern #12, .100" thick

A19156 Acrylic, pattern #19, .156" thick

PC1SS Parabolic louver, silver styrene, nominal 1/2" x 1/2" x 1/2"

PC2SS Parabolic louver, silver styrene, nominal 1-1/2" x 1-1/2" x 1"

OPTIONS

For generic EM ballast options (must specify voltage), see [Technical Info](#).

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

F338 6', 3/8" flex, 3-conductor, No. 18 AWG

F348 6', 3/8" flex, 4-conductor, No. 18 AWG

EQCLIPS Earthquake clips (4 per fixture)

MS9 Master/Satellite, 9' Flex Whip ¹

MS11 Master/Satellite, 11' Flex Whip ¹

CP Chicago Plenum (CCEA)

BALLAST TYPE

Additional ballast options available, see [Technical Info](#).

EB2 2-lamp electronic ballast

EB3 3-lamp electronic ballast

EB4 4-lamp electronic ballast

VOLTAGE

120 120V

277 277V

UNV 120-277V

347 347V

FEATURES

- ▶ 3-7/16" deep housing installs easily within limited plenum space.
- ▶ Gasketed door frame features offset mitered corners to eliminate light leaks.
- ▶ Available with a wide variety of lens, lamping, and ballast options.
- ▶ 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.
- ▶ This fixture is proudly made in the USA.

¹ Consult factory for other lengths and availability.



T8

PHOTOMETRY – 2x2

Catalog #: LPT-22-232U-SA12125-EB2

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 – Acrylic, pattern #12, .125" thick prismatic lens.
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 – Electronic ballast standard, instant start T8, rated Class P.
Mounting – NEMA Type "G" standard. For flange installations use the Drywall Kit (DFK), ordered separately.
Labels –
- UL/CUL listed as recessed fluorescent luminaire suitable for dry or damp locations.
 - City of Chicago Environmental Air approved when specified with CP option.

2x2 ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor		
	.80	.70	.50	.80	.70	.50	.80	.70	.50
0	.90	.90	.90	.88	.88	.88	.84	.84	.84
1	.83	.80	.78	.81	.79	.76	.76	.74	.72
2	.77	.72	.68	.75	.71	.67	.68	.65	.62
3	.72	.65	.60	.70	.64	.59	.62	.57	.54
4	.66	.58	.53	.65	.57	.52	.56	.51	.47
5	.61	.52	.46	.60	.52	.46	.50	.45	.41
6	.56	.47	.41	.55	.47	.41	.45	.40	.36
7	.52	.43	.37	.51	.42	.36	.41	.36	.32
8	.48	.39	.33	.47	.38	.32	.37	.32	.28
9	.44	.35	.29	.43	.34	.29	.33	.28	.25
10	.41	.32	.26	.40	.31	.26	.30	.25	.22

Effective Floor Cavity Reflectance = .20

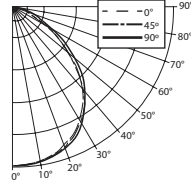
2x4 ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor		
	.80	.70	.50	.80	.70	.50	.80	.70	.50
0	.99	.99	.99	.97	.97	.97	.92	.92	.92
1	.92	.88	.85	.90	.87	.84	.83	.81	.79
2	.85	.79	.74	.83	.77	.73	.75	.71	.67
3	.79	.71	.65	.77	.70	.64	.67	.62	.59
4	.72	.64	.57	.71	.63	.56	.61	.55	.51
5	.67	.57	.50	.65	.56	.50	.54	.49	.44
6	.62	.51	.44	.60	.51	.44	.49	.43	.39
7	.57	.46	.39	.56	.46	.39	.44	.39	.34
8	.52	.42	.35	.51	.41	.35	.40	.34	.30
9	.48	.37	.31	.47	.37	.31	.36	.30	.26
10	.45	.34	.28	.44	.34	.27	.33	.27	.23

Effective Floor Cavity Reflectance = .20

TEST REPORT INFORMATION

- Test Report #: 14724.0
- Date: 06/02/09
- Lamp Type: F32T8/835/U6
- Lamp Quantity: 2



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1861.	1861.	1861.	
5°	1861.	1855.	1852.	177.1
15°	1782.	1793.	1806.	507.9
25°	1634.	1659.	1685.	766.9
35°	1385.	1417.	1431.	885.1
45°	1030.	1021.	1098.	804.1
55°	636.	616.	698.	575.5
65°	337.	275.	350.	307.3
75°	177.	150.	190.	173.4
85°	52.	50.	57.	59.9
90°	0.	0.	0.	

LUMEN SUMMARY

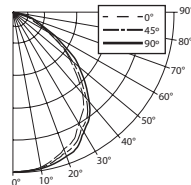
Zone	Lumens	% Lamp	% Fixture
0 - 30	1452.	25.7	34.1
0 - 40	2337.	41.4	54.9
0 - 60	3717.	65.8	87.3
0 - 90	4257.	75.3	100.0
Total Luminaire:			
0 - 180	4257.	75.3	100.0
Total Luminaire Optical Efficiency: 75.3%			
IES Spacing Criteria: End = 1.2			
Diagonal = 1.2			
Across = 1.2			

PHOTOMETRY – 2x4

Catalog #: LPT-24-332-SA12125-EB3

TEST REPORT INFORMATION

- Test Report #: 14727.1
- Date: 06/04/09
- Lamp Type: F32T8/835/RS
- Lamp Quantity: 3



CANDLEPOWER DISTRIBUTION

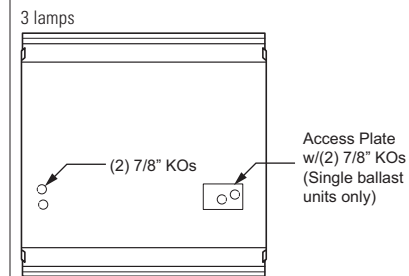
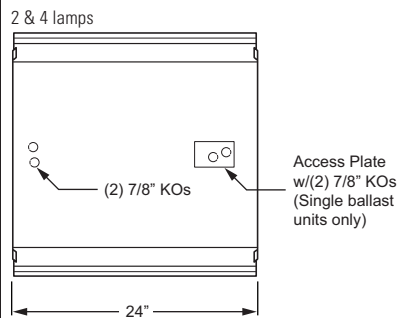
Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	3016.	3016.	3016.	
5°	3016.	3019.	3025.	288.2
15°	2877.	2916.	2957.	826.4
25°	2662.	2753.	2826.	1272.4
35°	2280.	2418.	2475.	1503.2
45°	1685.	1775.	1904.	1378.7
55°	1092.	1131.	1285.	1043.1
65°	619.	531.	645.	577.3
75°	332.	294.	371.	335.7
85°	118.	126.	133.	141.9
90°	0.	0.	0.	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	2387.	27.0	32.4
0 - 40	3890.	44.0	52.8
0 - 60	6312.	71.3	85.7
0 - 90	7367.	83.2	100.0
Total Luminaire:			
0 - 180	7367.	83.2	100.0
Total Luminaire Optical Efficiency: 83.2%			
IES Spacing Criteria: End = 1.2			
Diagonal = 1.3			
Across = 1.3			

FIXTURE DETAILS

2x2 BACK VIEW



2x4 BACK VIEW

