

FEATURES

- High performance, specification static luminaires provide general illumination for recessed applications.
- Designed for optimal performance with T8 lamps, low profile electronic ballasts and T8 sockets.
- Innovative fixture design yields superior lamp obscuration and improved visual comfort.
- A12 lens features reverse apex technology.
- Embossed housing ribs provide fixture rigidity and redirect light out from behind each lamp.
- Fixture sides feature smooth hemmed edges for safe handling. End flanges formed inward also have smooth edges.
- Standard steel door frame features unique cross-section providing a premium extruded appearance. Double-locking tabs and corner keys yield precision flush mitered corners and superior structural integrity.
- Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick).
- Powder-painted, steel latches provide easy, secure door closure.
- Door frame latches and hinges from either side.
- Housing and doorframe interface creates a superior mechanical light seal – no foam gasketing required.
- Easily-positioned integral T-bar clips secure fixture to T-bar system.
- Socket features unique rotor system providing contact protection.
- Aluminum doorframes available – flush or regressed.
- Overlapping flange and modular ceiling trims available factory-installed including swing-gate hangers.
- Lens options, modular wiring, prewire and battery packs available.
- Guaranteed for one year against mechanical defects in manufacture.

SPECIFICATIONS

BALLAST — Thermally-protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Standard combinations conform to UL 935.

WIRING & ELECTRICAL — Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

MATERIALS — Housing formed from cold-rolled steel. Acrylic shield-ing material 100% UV stabilized. No asbestos used in this product.

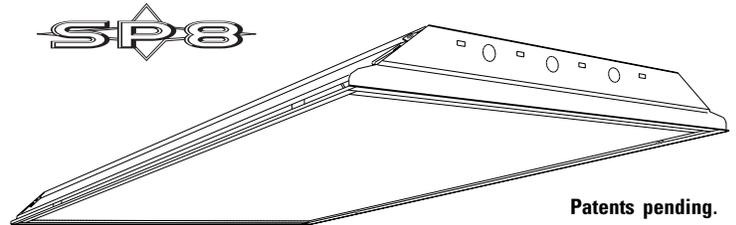
Type Catalog number

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Specification Premium T8 Troffer

SP8 2'x4'

2, 3 or 4 Lamps



Patents pending.

FINISH — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted housing and ballast cover finished with 90 percent reflective matte white enamel.

LISTING — UL listed and labeled. Listed and labeled to comply with Canadian and Mexican Standards (see options).

Specifications subject to change without notice.

ENERGY

- Luminaire Efficacy Rating (LER) and Annual Energy Cost/1000 Lumens:
 2-lamp LER.FL = 77. Annual energy cost = \$3.12. Based on 32W T8 lamps, 2850 lumens, and electronic ballast. Ballast factor = .90, input watts = 57.
 3-lamp LER.FL = 74. Annual energy cost = \$3.24. Based on 32W T8 lamps, 2850 lumens, and electronic ballast. Ballast factor = .87, input watts = 85.
 4-lamp LER.FL = 77. Annual energy cost = \$3.12. Based on 32W T8 lamps, 2850 lumens, and electronic ballast. Ballast factor = .88, input watts = 107.
 Calculated in accordance with NEMA standard LE-5.

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

* With reverse apex lens

2SP8 2 32 A12*

Report LTL 7525

Lumens per lamp - 2850 – Lum. eff. - 85.5%

S/MH (along) 1.3 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	99	99	99	95	95	95
1	94	90	87	92	88	85	85	82	80
2	86	80	74	84	78	73	75	71	68
3	79	71	64	77	70	64	67	62	58
4	73	63	56	71	62	56	60	55	50
5	67	57	50	66	56	49	54	48	44
6	62	52	44	61	51	44	49	43	39
7	58	47	40	57	46	40	45	39	34
8	54	43	36	53	42	36	41	35	31
9	51	39	33	49	39	33	38	32	28
10	47	36	30	46	36	30	35	29	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1541	27.0	31.6
0-40	2571	45.1	52.7
0-60	4192	73.5	86.0
0-90	4874	85.5	100.0
90-180	0	0	0
0-180	4874	85.5	100.0

2SP8 3 32 A12*

Report LTL 7492

Lumens per lamp - 2850 – Lum. eff. - 83.6%

S/MH (along) 1.3 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	100	100	100	97	97	97	93	93	93
1	92	88	85	90	86	83	83	80	78
2	84	78	73	82	77	72	74	70	66
3	78	70	63	76	68	62	66	61	57
4	72	62	55	70	61	55	59	54	49
5	66	56	49	64	55	49	53	48	43
6	61	51	44	60	50	43	49	43	38
7	57	46	39	56	46	39	44	38	34
8	53	42	36	52	42	35	41	35	31
9	50	39	32	49	38	32	38	32	28
10	47	36	30	46	36	29	35	29	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2319	27.1	32.4
0-40	3833	44.8	53.6
0-60	6164	72.1	86.2
0-90	7147	83.6	100.0
90-180	0	0	0
0-180	7147	83.6	100.0

2SP8 4 32 A12*

Report LTL 7526

Lumens per lamp - 2850 – Lum. eff. - 81.5%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	97	97	97	95	95	95	91	91	91
1	90	86	83	87	84	81	81	78	76
2	82	76	71	80	75	70	72	68	65
3	76	68	62	74	67	61	64	59	55
4	70	61	54	68	60	53	58	52	48
5	64	55	48	63	54	47	52	46	42
6	60	50	43	58	49	42	47	42	37
7	56	45	38	54	44	38	43	37	33
8	52	41	35	51	41	34	40	34	30
9	48	38	32	47	38	31	37	31	27
10	46	35	29	44	35	29	34	28	25

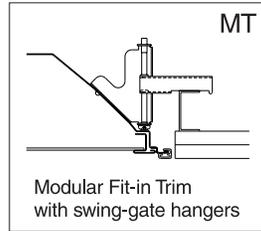
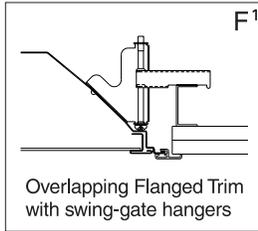
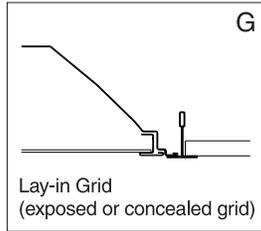
Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	3029	26.6	32.6
0-40	4999	43.8	53.8
0-60	8017	70.3	86.3
0-90	9292	81.5	100.0
90-180	0	0	0
0-180	9292	81.5	100.0

SP8 2'x4'

MOUNTING DATA

Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).

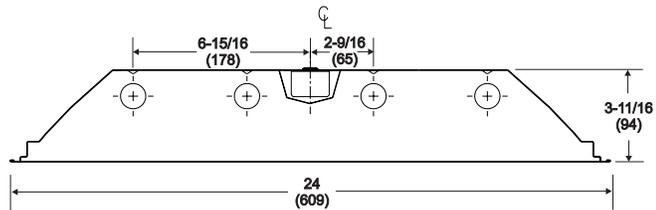
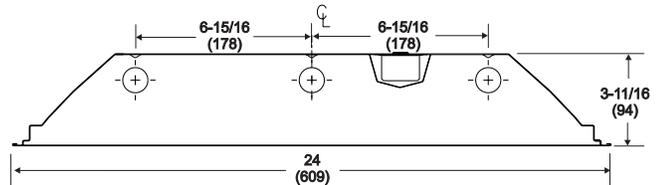
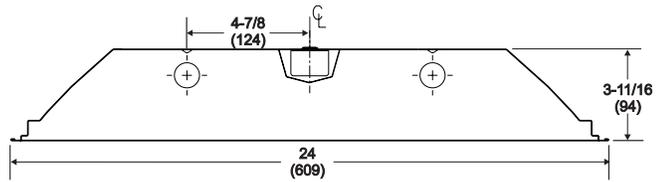


NOTES:

1 Recommended rough-in dimensions for F-trim fixtures 24"x48". (Tolerance is +1/4"-0".) Swing-gate range 1-3/16" to 3-15/16". Swing-gate span 23-3/8" to 26-11/16". Fixture swing-gate points require additional 9/16" over nominal fixture height.

DIMENSIONS

Inches (millimeters). Subject to change without notice.



ORDERING INFORMATION

Example: 2SP8 G 3 32 FW A12 120 1/3 GEB

2SP8	Series	Number of lamps	Trim type	Lamp type	Door frame	Voltage	Diffuser type	Options
2SP8 2' wide	G Grid F Overlapping flanged MT Modular fit-in	2, 3, 4' Not included.		32 32W T8 (48')	(blank) Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black FW Flush aluminum, white RN Regressed aluminum, natural RM Regressed aluminum, matte black RW Regressed aluminum, white	120, 277, 347, MVOLT ¹ Others available.	A12 #12 pattern acrylic, reverse apex A12125 #12 pattern acrylic, 0.125" thick A19 #19 pattern acrylic, 0.156" thick A15 #15 pattern acrylic, 0.2" thick PC1S 1/2"x1/2"x1/2" plastic cube louver, silver PC2S 1-1/2"x1-1/2"x1" plastic cube louver, silver w/ flange PC3S 3/4"x3/4"x1/2" plastic cube louver, silver	1/4 One 4-lamp ballast 1/3 One 3-lamp ballast GEB Electronic ballasts, ≤20% THD GEB10IS Electronic ballast, ≤10% THD, Instant Start GEB10RS Electronic ballast, ≤10% THD, Rapid Start EL Emergency battery pack (nominal 300 lumens; see Life Safety Section) GLR Internal fast-blow fuse GMF Internal slow-blow fuse LST Tandem-wired fixture pairs (shared ballasts) PWS1836 6' prewire, 3/8" dia., 18-gauge, 3 wires LP__ Lamped, specify lamp type and color CRE Flanged trim for continuous row mounting (end) CRM Flanged trim for continuous row mounting (middle) JP Palletized and stretch-wrapped without individual cartons CSA Listed and labeled to comply with Canadian Standards NOM Listed and labeled to comply with Mexican Standards

NOTES:
1 MVOLT available with GEB10IS only.



SP8 2x4

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SP8 2X4.P65

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