

FEATURES & SPECIFICATIONS

INTENDED USE

Companion fixture to the ES8P 2'x2' & 2'x4' versions. ES8P 1'x4' provides a high-performance T8 (HPT8) energy-saving alternative to traditional 3" parabolics. Improves the balance between horizontal and vertical light levels. Ideal for use in corridors, small spaces or continuous row mounting in retail, commercial or educational applications.

ATTRIBUTES

Designed and optimized for use with CEE (Consortium for Energy Efficiency) qualified, high-lumen T8 lamps and energy-efficient electronic ballasts.

Highly reflective surfaces, in conjunction with efficient design, produce up to 83% photometric efficiency and a Luminaire Efficacy Rating (LER) of up to 84 using listed lamps and ballast.

CONSTRUCTION

Robust design and precision-tooling combine to create the industry's strongest louver. Rotary sockets provide for simple lamp insertion and positive engagement into lamp contacts.

FINISH

Five-stage iron-phosphate pre-treatment ensures superior paint adhesion and rust resistance. Housing painted after fabrication with environmentally friendly, high gloss, very high reflectivity polyester powder-coat.

Louver painted after fabrication with low gloss, high reflectivity polyester powder coat.

OPTICAL

Mechanical shielding is provided with angled length blades, and linear faceted cross baffles. Contoured housing efficiently directs light downward. Lamp cut-out maximizes shielding even in shallow plenum applications and softens light distribution to deliver a balanced amount of light to both vertical and horizontal surfaces.

ELECTRICAL SYSTEM

Standard ballast is high-efficiency, CEE qualified, instant-start, $\leq 10\%$ THD, universal voltage and sound rated A.

Listed ballast disconnect with strain relief and leads provided for non-emergency fixtures.

Optional program-start ballasts available.

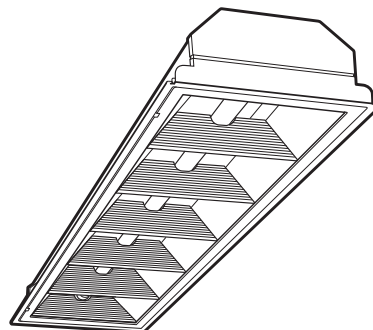
LISTING

Standard: UL; Optional: Canada – CSA or cUL. Mexico – NOM.

Catalog Number	
Notes	Type



ES8P 1'x4'



1 or 2 Lamps
T8

Specifications

Length: 48 (1218)
Width: 12 (305)
Depth: 4-1/2 (114)
Weight: 18 lbs (8.2 kg)

All dimensions are inches (millimeters) unless otherwise specified.

WARRANTY

Light fixture is guaranteed for one year against mechanical defects in manufacture.

Ballast is warranted for five years, and standard lamp is warranted for three years under system warranty terms provided by lamp and ballast manufacturer. For options, see below.

US PATENTS: Patents pending.

Specifications subject to change without notice.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: ES8P 132 BINP L835HT8

ES8P							
Series		Number of lamps/wattage		Ballast		Lamp	Options
ES8P		132 1-lamp, 32W T8 (48")		BILP IS, high efficiency, .78 bf (low)		L830HT8 3100 lumen, long life, 3000°K	EL Emergency battery pack (nominal 300 lumens)
		232 2-lamp 32W T8 (48")		BINP IS, high efficiency, .88 bf (normal)		L835HT8 3100 lumen, long life, 3500°K	EL14 Emergency battery pack (nominal 1400 lumens)
				BIHP IS, high efficiency, 1.20 bf (high) ²		L841HT8 3100 lumen, long life, 4100°K	LST Tandem-wired fixture pairs (shared ballast)
				BSNP PS, step dimming, high efficiency, .8 bf (normal) ^{4,5}			PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit
Trim type			Voltage				QFC Quick-flex, fixture cable, factory installed prewired cable (RELOC) ³
(blank) Lay-in grid			(blank) MVOLT ¹				CRE Flanged trim for continuous row mounting (end)
F Overlapping flanged			120				CRM Flanged trim for continuous row mounting (middle)
			277				CSA Listed and labeled to comply with Canadian standards
			347				NOM NOM Certified

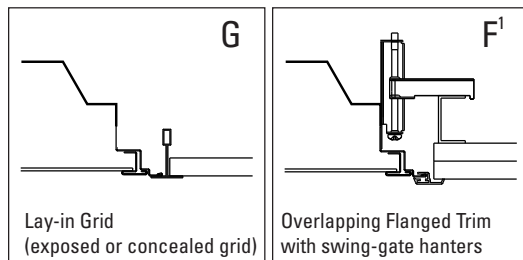
NOTES:

- MVOLT standard for 120V - 277V applications. 50 or 60 hz operation. Some options require voltage specified.
- CEE qualified ballast is not available in 347V.
- Must specify voltage.
- Not available in 347V.
- Available in two-lamp configuration only.

ES8P 1'x4' Premium High-Performance T8 Lighting

MOUNTING DATA

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

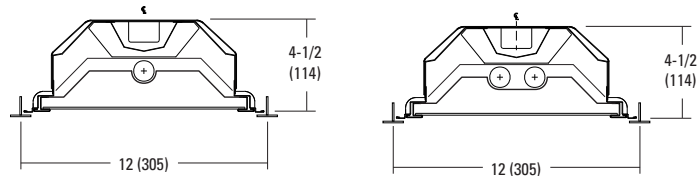


NOTE:

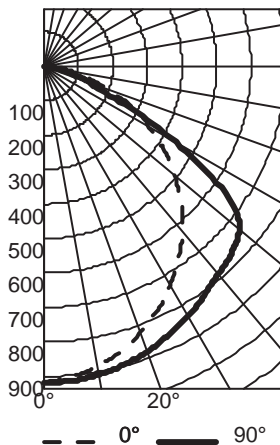
- 1 Recommended rough-in dimensions for F-trim fixtures 12"x48". (Tolerance is +1/4"-0".) Swing-gate range 1-3/16" to 3-3/8". Swing-gate span 12-1/4" to 15". Fixture swing-gate points require additional 1" over nominal fixture height.

DIMENSIONS

All dimensions are inches (millimeters) unless otherwise specified. Specifications subject to change without notice.



ES8 132, 3100 lumens per lamp, test no. LTL 18470



CP Summary

	0°	90°
0°	917	917
5°	904	916
15°	857	896
25°	780	859
35°	680	810
45°	563	768
55°	427	641
65°	276	242
75°	127	81
85°	34	18
90°	0	0

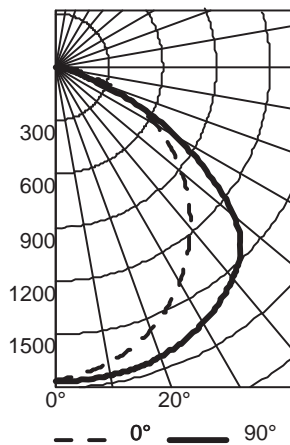
	pf	pc	80%	20%	50%	
				70%		
			70%	30%	10%	50%
			30%	10%		10%
0	99	99	99	97	97	97
1	91	88	84	86	83	80
2	83	77	71	75	70	66
3	76	67	61	66	60	55
4	70	60	53	59	52	47
5	64	53	46	52	45	40
6	59	48	41	47	40	35
7	55	43	36	43	36	31
8	51	40	32	39	32	27
9	47	36	29	36	29	25
10	44	33	27	33	27	22

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	711	23.0	27.5
0° - 40°	1175	37.9	45.4
0° - 60°	2145	69.2	82.9
0° - 90°	2589	83.5	100.0
90° - 180°	0	0.0	0.0
0° - 180°	2589	83.5	100.0

Efficiency: 83.5%

ES8 232, 3100 lumens per lamp, test no. LTL 18421



CP Summary

	0°	90°
0°	1758	1758
5°	1727	1761
15°	1634	1747
25°	1484	1699
35°	1286	1606
45°	1052	1465
55°	787	1051
65°	499	498
75°	224	126
85°	61	30
90°	3	2

	pf	pc	80%	20%	50%	
				70%		
			70%	30%	10%	50%
			30%	10%		10%
0	94	94	94	92	92	92
1	86	83	80	81	78	76
2	79	73	68	71	67	63
3	72	64	58	63	57	52
4	66	57	50	56	50	45
5	61	51	44	50	43	39
6	56	46	39	45	38	34
7	52	41	35	41	34	30
8	48	38	31	37	31	26
9	45	35	28	34	28	24
10	42	32	26	31	26	22

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1377	22.2	28.1
0° - 40°	2280	36.8	46.6
0° - 60°	4091	66.0	83.6
0° - 90°	4894	78.9	100.0
90° - 180°	0	0.0	0.0
0° - 180°	4894	78.9	100.0

Efficiency: 78.9%

Energy

(calculated in accordance with NEMA standard LE-5)

Fixture	LER FL	Annual Energy Cost	Lamp Description	Lamp Lumens	Ballast Factor	Input Watts
ES8P 132 BILP L835HT8	80.8	\$2.97	F032T8/835/XPS/ECO	3100	0.78	25
Typical 1-lamp 9-cell 1x4 parabolic	51.9	\$4.62	F032T8/735/ECO	2800	0.88	30
ES8P 232 BILP L835HT8	84.1	\$2.85	F032T8/835/XPS/ECO	3100	0.78	48
Typical 2-lamp 8-cell 1x4 parabolic	58.5	\$4.10	F032T8/735/ECO	2800	0.88	59



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