

# TEP

Simkar's TEP Deep Cell Parabolics are attractive high-efficiency fixtures that produce uniform low brightness in the 60°- 90° zone. They are a perfect choice for new installations commercial offices, manufacturing, retail, and institutional applications.

Project \_\_\_\_\_  
 Catalog Number \_\_\_\_\_  
 Type \_\_\_\_\_  
 Date \_\_\_\_\_

- Low iridescence, anodized semi-specular aluminum parabolic
- Choice of reflectors: specular aluminum or white

- T5HO, T8, TT and LED available
- C-UL-US Damp listed

**HOUSING** Die-formed heavy gauge steel with high-gloss, baked white enamel finish over rust inhibiting phosphate coat. Full black reveal and hinged louver for easy relamping. Access plate provided with 2 KO's and ground screw.

**SHIELDING** Low iridescence, anodized, semi-specular aluminum parabolic, nominal 3" deep-cell louver held securely by steel latches. "T" hinges allow access from either side.

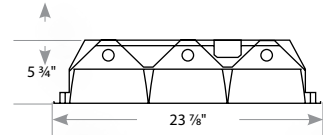
**ELECTRICAL** All ballasts are Class P, high power factor, sound rated A, thermally protected, auto resetting. For T8 units, CEE/NEMA Premium compliant ballasts are available. All ballasts are fitted with NEC/CEC compliant ballast disconnect. Numerous ballast factors/options are available for T8. Rotolock sockets used on all units.

**LED LAMPS** This product offers LED lamps. LED lamps may be ordered installed or ordered as an accessory in place of 2' and 4' T8 fluorescent lamps. Not compatible with emergency lighting or dimming options. See ordering information and performance table for more data.

**MOUNTING** Optional EC515 Earthquake Clip for lay-in TEP grid ceilings.

**LISTINGS** All units are built to UL 1598 standards and labeled C-UL-US. Damp Location certification is standard. Emergency fixtures meet UL924.

**WARRANTY** 5 year manufacturers limited warranty on LED T8 Lamps.



## TEP Deep Cell Parabolic Configuration

SERIES	SIZE	# LAMPS	LAMP TYPE	AIR HANDLING	CELL CONFIGURATION	LOUVER OPTIONS	REFLECTOR OPTIONS
TEP = Lay-in 3" deep cell, semi-specular FEP = Flanged 3" deep cell, semi-specular	124 = 1 x 4	2	FOR LED TUBES, SEE LED LAMPS BELOW	Static (standard)	8C = 1x4 (1 row of 8)	Semi-Specular (standard)	SR = Specular reflector**
	242 = 2 x 2	3	14 = 14W T5	AC = Vented on all sides**	9C = 2x2 (3 rows of 3)	W = White	WR = White reflector**
	244 = 2 x 4	4*	17 = 17W T8	AH = Vented on 2' side	12C = 2x2 (3 rows of 4)	S = Specular	
			24 = 24W T5HO	AS = Vented on 4' side	12C = 2x4 (2 rows of 6)		
			28 = 28W T5		16C = 2x2 (4 rows of 4)		
			32U = 32W U6" T8*		18C = 2x4 (3 rows of 6)		
			32 = 32W T8 (use if choosing LED Lamps)		24C3X8 = 2x4 (3 rows of 8)		
			40TT = 40W TT		24C4X6 = 2x4 (4 rows of 6)		
			54 = 54W T5HO		27C = 2x4 (3 rows of 9)		
			55TT = 55W TT		32C = 2x4 (4 rows of 8)		

\* For 1 5/8" please specify

\*\*Not available on 1x4 units

\*\*\*Compatible with 2' and 4' T8 configurations only. See performance data table for more information.

BALLAST	SWITCHING	VOLTAGE	OPTIONS
B11 = Electronic T8 B11HP(x) = HPT8* B11PS(x) = Program Rapid Start* B12 = Electronic T5 B14 = Electronic TT D = Dimming (specify ballast; not compatible with LED Lamps) CS = Customer supplied B9 = Customer specified	For 3 and 4 lamp units Blank = dual ballasts 3L = (1) 3-lamp ballast 4L = (1) 4-lamp ballast For 2 lamp units Blank = single ballast 2/1L = (2) 1-lamp ballasts	UNV = Universal 120-277V 120 = 120V 277 = 277V	FL4 = 3/8", 6' flex with two #18, one ground and two connectors* FL5 = 3/8", 6' flex with three #18, one ground and two connectors* M = Master; includes 9' intertie and snap-in connector S = Satellite; includes snap-in connector FB = Fast Blow Fuse SB = Slow Blow Fuse BP = Bulk Pack <b>Emergency Lighting</b> ELS1 = 500 lumens - T8 only ELS2 = 700 lumens ELS3 = 1400 lumens

Note: Not compatible with LED Lamps

\*CEE listed T8; specify (L)ow, (N)ormal, or (H)igh ballast factor. Contact factory for NEMA Premium.

\*\*Contact factory for availability

LAMP OPTIONS	ACCESSORIES	LED LAMPS (SHIPPED SEPARATELY)*
Lamps Installed (Specify Lamps - 730/735/741 or 830/835/841/850) (U-lamp and TT lamps not installed)	EC515 = Earthquake Clip	LE82M3 = 2' 9W 3000K 1150lm LE82M4 = 2' 9W 4000K 1150lm LE82M5 = 2' 9W 5000K 1150lm LE84M3 = 4' 14W 3000K 1800lm LE84M4 = 4' 14W 4000K 1800lm LE84M5 = 4' 14W 5000K 1800lm
LED Lamps Installed	GCK (Grid Conversion Kits) GCK 14 = 1' x 4' GCK 22 = 2' x 2' GCK 24 = 2' x 4'	LE84M3 = 4' 14W 3000K 1800lm LE84M4 = 4' 14W 4000K 1800lm LE84M5 = 4' 14W 5000K 1800lm LE84H3 = 4' 17W 3000K 1800lm LE84H4 = 4' 17W 4000K 1800lm LE84H5 = 4' 17W 5000K 1800lm

\* Compatible with 2' and 4' T8 configurations only. See performance data table for more information.

FOR CUSTOM OPTIONS AND ACCESSORIES, CONTACT FACTORY. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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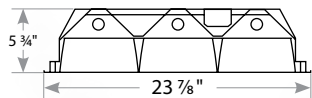
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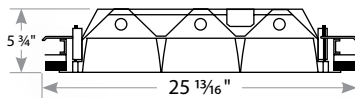
LED T8 Replacement Lamp Performance

LAMP	COLOR TEMPERATURE	NOMINAL LENGTH	CRI	BEAM ANGLE	LAMP WATTAGE	LAMP LUMENS	INITIAL LUMENS			LAMP EFFICACY
							.78 BF	.88 BF	1.18 BF	
LE82M3	3000K	2'	>80	220°	9W	1150	945	1080	1370	127 lm/W
LE82M4	4000K	2'	>80	220°	9W	1150	1020	1170	1490	127 lm/W
LE82M5	5000K	2'	>80	220°	9W	1150	1040	1200	1520	127 lm/W
LE84M3	3000K	4'	>80	220°	14W	1800	1620	1870	2490	129 lm/W
LE84M4	4000K	4'	>80	220°	14W	1800	1670	1940	2560	129 lm/W
LE84M5	5000K	4'	>80	220°	14W	1800	1720	2000	2620	129 lm/W
LE84H3	3000K	4'	>80	220°	17W	2200	1930	2200	2800	129 lm/W
LE84H4	4000K	4'	>80	220°	17W	2200	1990	2300	2930	129 lm/W
LE84H5	5000K	4'	>80	220°	17W	2200	2050	2370	3080	129 lm/W

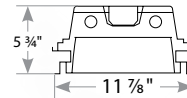
Dimensions



TEP



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FEP

Photometric Data

Luminaire Data

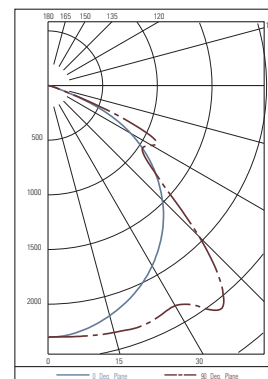
Catalog Number	TEP244-332-18C-B11
Lab Test#	LTL09252
Lamp(s)	(3) F32T8/ADV841/EW/ALTO
Reflector	Semi-Specular
Lumens per lamp	2900
Ballast	SYLVANIA QTP3X32T8/UNV PSX-SC
Ballast Factor	.88
Input Watts	69.2
Fixture Lumens	6414
Fixture Efficiency	73.7%

Coefficients of Utilization

CC/Wall	80				50			30		
RCR	70	50	30	10	50	30	10	50	30	10
0	88	88	88	88	82	82	82	78	78	78
1	82	79	77	74	74	73	71	72	70	69
2	76	71	67	63	67	64	61	65	62	60
3	70	63	58	54	60	56	53	58	55	52
4	64	57	51	47	54	49	46	52	48	45
5	59	50	44	40	48	43	39	47	42	39
6	54	45	39	34	43	38	34	42	37	34
7	50	40	34	30	39	33	30	38	33	29
8	46	36	30	26	35	29	25	34	29	25
9	42	32	26	22	31	26	22	30	25	22
10	39	29	23	19	28	23	19	27	22	19

Zonal cavity method Effective floor reflectance = 20%

Candela Plot



Zonal Lumens and Percentages

ZONE	LUMENS	% LUMINAIRE
0-40	1872	29.2
0-60	5655	88.2
0-90	6414	100.00
90-180	0	0.0

Luminance Summary (Candela/M<sup>2</sup>)

ANGLE	0-DEG	45-DEG	90-DEG
0	3826	3826	3826
45	3476	4690	4594
55	3183	3542	3059
65	2317	2412	3645
75	314	391	404
85	57	95	76

SC: 0 Deg - 1.2; 0-90 - 1.7

**Photometric Data**

Luminaire Data

Catalog Number	TEP244-232-B11-12C
Lab Test#	LTL05436
Lamp(s)	(2) F32T8/TL841
Reflector	White
Lumens per lamp	2850
Ballast	MAGNETEK B2321120RH
Ballast Factor	.94
Input Watts	58.6
Fixture Lumens	4321
Fixture Efficiency	75.8%

Coefficients of Utilization

CC Wall	80				50			30		
RCR	70	50	30	10	50	30	10	50	30	10
0	90	90	90	90	84	84	84	81	81	81
1	84	80	78	75	76	74	72	73	71	69
2	77	72	67	63	68	64	61	65	62	60
3	71	64	58	54	61	56	53	59	55	52
4	65	57	51	47	54	50	46	53	48	45
5	60	51	45	40	49	43	39	47	42	39
6	55	46	39	35	44	38	34	43	38	34
7	51	41	35	30	39	34	30	38	33	30
8	47	37	31	26	35	30	26	34	29	26
9	43	33	27	23	32	26	22	31	26	22
10	40	30	24	20	29	24	20	28	23	20

Zonal cavity method Effective floor reflectance = 20%

Zonal Lumens and Percentages

ZONE	LUMENS	% LUMINAIRE
0-40	1288	29.8
0-60	3666	84.8
0-90	4321	100.00
90-180	0	0.0

Luminance Summary (Candela/M<sup>2</sup>)

ANGLE	0-DEG	45-DEG	90-DEG
0	2716	2716	2716
45	2099	2707	3176
55	1826	2390	1835
65	1406	1422	1551
75	1097	1212	1475
85	895	990	1162

SC: 0 Deg - 1.1; 0-90 - 1.5

Candela Plot

