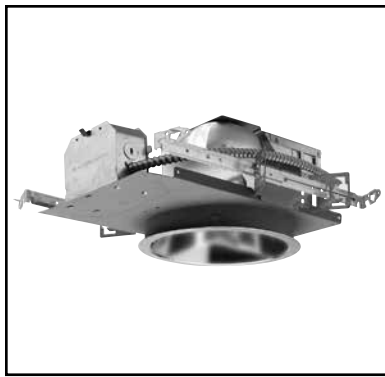




8" Horizontal Compact Fluorescent Wall Wash Downlights

LF8CFH132EB LF8CFH232EB

One 26W, 32W or 42W Triple Tube or Two 32W or 42W Triple Tube 4-pin Lamps

DATE: _____ TYPE: _____
FIRM NAME: _____
PROJECT: _____

LiteFrame®

Ceiling Cutout: 8-1/4"
Maximum Ceiling Thickness: 1-1/4"
For conversion to millimeters, multiply inches by 25.4
Not to Scale

APPLICATIONS:

The LF8CFH triple tube series offers horizontally lamped compact fluorescent wall wash downlight fixtures. The multi-watt, multi-volt ballast provides the ability to change wattages by simply changing the lamp(s). This luminaire is ideal for a wide variety of medium to high ceiling applications including commercial, retail, hospitality, and design-build.

HOUSING:

One-piece 22-gauge galvanized steel platform. Prewired J-box with snap-on cover for easy access. Vented at lamp tip and socket for maximum light output. Same housing accommodates downlight, wall wash downlight, and lensed downlight reflectors.

REFLECTOR:

High purity aluminum, Alzak, iridescence suppressed, semi-diffuse reflector. Self-trim standard. Painted white self-trim (WT) available as option.

BALLAST:

One (1) compact fluorescent Class 'P' electronic multi-volt (120V through 277V) HPF ballast suitable for operating all 26W, 32W, and 42W triple tube lamps. Two-lamp model for use with 32W and 42W lamps. All ballast options are equipped with EOL protection. Accessible from below ceiling. Contact technical support for 347V.

SOCKET:

Injection molded socket(s) suitable for 26W, 32W and 42W triple tube lamps (vented).

LAMP:

Use one (1) 26W (GX24q-3 base), 32W (GX24q-3 base), or 42W (GX24q-4 base) or two (2) 32W (GX24q-3 base), or 42W (GX24q-4 base) 4-pin triple tube compact fluorescent lamps. Lamps furnished by others or as option below. Use only GE or OSRAM Sylvania lamps in two-lamp version.

INSTALLATION:

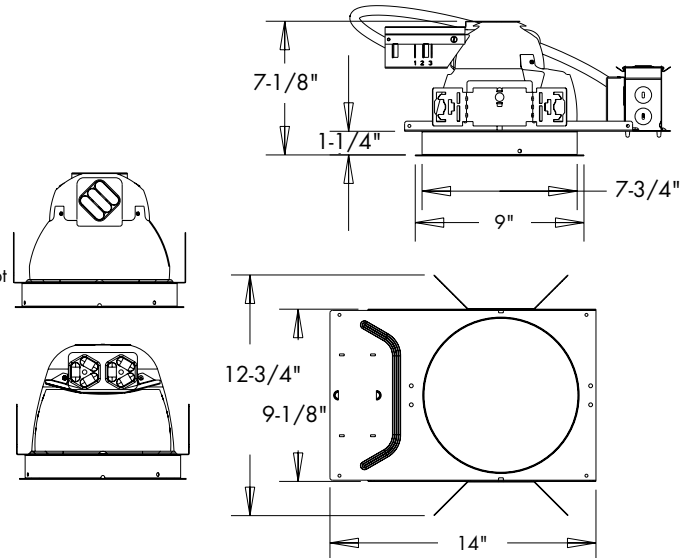
Universal adjustable mounting brackets accept 1/2" EMT conduit or 1 1/2" or 3/4" lathing channel (by others) or Prescolite 24" bar hangers (B24 or B6). Light commercial bar hangers included.

LABELS:

UL listed or UL/CSA listed with CDN option for damp locations. Approved for through wiring (4 in, 4 out). Non-IC type.

LAMP INCLUDED OPTION:

Specify lamp type T (Triple 4-pin) and temperature as shown below.



Order housing, reflector and accessories separately.

CATALOG NUMBER:

EXAMPLE: LF8CFH132EB 8CFH1WW LP32T30K

HOUSING	WATTAGE	BALLAST TYPE	VOLTAGE	HOUSING OPTIONS	REFLECTOR	REFLECTOR COLOR	WALL WASH	TRIM OPTIONS	ACCESSORIES
☐ LF8CFH1 1-lamp Fixture	☐ 32³ 26/32/42W Triple Tube	☐ EB Electronic	☐ Blank 120V-277V ☐ CDN Canadian Electrical code compliant ballast disconnect ☐ CDN 347V⁵ Canadian Electrical code compliant ballast disconnect	☐ CP² Chicago Plenum ☐ FSDFA Fuse kit installed at factory ☐ RIF1^{1,2} Radio interference filter (single circuit) ☐ EMR^{1,2} Emergency battery pack with remote test switch and indicator light ☐ DM Electronic Analog Dimming Ballast to 3%, 4-wire, 0-10V (120-277V) (Specify wattage on two lamp housing) ☐ MW26 Max Wattage label, 26W ☐ MW32 Max Wattage label, 32W ☐ SYL⁴ Osram Sylvania Ballast (available only for standard EB option) ☐ ECDM⁶ Lutron EcoSystem or 3-wire line voltage dimming ballast (120V-277V). Dims to 5%. ☐ SMT Philips Advance SmartMate® ballast ☐ 2DM⁷ Lutron Tu-wire dimming ballast to 5%, Tu-wire line voltage (120V only) ☐ 7DM⁸ Advance Mark 7™ Dimming Ballast to 5%, 4-wire, 0-10V, analog (120V thru 277V)(specify wattage) ☐ XDM⁹ Advance Mark 10™ Dimming Ballast to 5%, 2-wire line voltage (specify supply voltage) ☐ HDM^{7,9} Lutron Hi-Lume® Dimming Ballast to 1%, 3-wire line voltage (specify voltage)	☐ 8CFH1 8" 1-lamp Alzak Semi-Diffuse ☐ 8CFH2 8" 2-lamp Alzak Semi-Diffuse	☐ Blank Clear Alzak ☐ CG Champagne Gold Alzak ☐ PW Pewter Alzak ☐ WE Wheat Alzak ☐ LW Light Wheat Alzak	☐ WW Wall Wash	☐ TRG Trim ring gasket (factory installed) ☐ WT White Flange (Alzak only) ☐ B24 Set of (2)	☐ B6 Set of (2) bar hangers for ceiling joists up to 24" centers ☐ FSDFI Fuse kit for field installation
									LAMP ACCESSORIES
									☐ LP -wattage= 26, 32, 42 -type= T (Triple 4-pin) -temp= 27K, 30K, 35K, 41K (Kelvin) *Example: LP32T41K LF8CFH1 requires one lamp. LF8CFH2 requires two lamps.

¹RIF1 and EMR options not offered in combination

²CP not offered in combination with RIF1 or EMR

³LF8CFH2 utilizes 32W or 42W lamps

⁴Available for Osram Sylvania Quick 60+®
Limited Warranty when used with Osram lamp(s). See
www.prescolite.com for details.

⁵Dimming option not available for 347V

⁶For 42W specify LF8CFH142EBECMD or LF8CFH242E-
BECDM

⁷Not available for 42W

⁸For 2-lamp fixture, specify wattage

⁹Not available for 2-lamp fixture

PHOTOMETRIC DATA

LiteFrame® - 8" Horizontal Triple Tube Wall Wash Downlight - LF8CFH132 & LF8CFH232 Series

BALLAST DATA

	26W Triple			32W Triple			42W Triple		
	120V	277V	347V	120V	277V	347V	120V	277V	347V
Total System Watts	29	29	31	36	36	36	46	46	50
Input Current (Amps)	0.24	0.11	0.09	0.31	0.13	0.11	0.38	0.17	0.15
Input Frequency in Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Power Factor <.98	<.98	<.95		<.98	<.98	<.95	<.98	<.98	<.95
Ballast Factor <1.1	<1.1	<1.02		<.98	<.98	<.98	<.98	<.98	<1.0
Total Harmonic Distortion	<10%	<10%	<10%	<10%	<10%	<10%	<10%	<10%	<10%

LAMP DATA

Rated Watts	26W Triple	32W Triple	42W Triple
Rated Lumens	1710	2200	3200
Efficacy (LPW)	66	69	76
Rated Life	12,000	12,000	12,000
CRI	82	82	82
Min. Starting Temp.	32°F	32°F	32°F

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array)
Ceiling 80% Wall 50% Floor 20%

Assumptions:

1. Multiple Units (Square Array)
2. Ceiling 80% Wall 50% Floor 20%
3. 4 Fixtures evenly spaced in the center of the room.
4. The room is square and has a width and length equal to twice the lamp spacing.
5. The lumen depreciation factor is 0.8.
6. The dirt depreciation factor is 0.98.

42W Triple

SPACING	RCR1	RCR3	RCR7
7.0	39	32	22
8.0	30	24	17
9.0	23	19	14
10.0	19	15	11
11.0	16	13	9
12.0	13	11	8
13.0	11	9	6
14.0	10	8	6
15.0	8	7	5

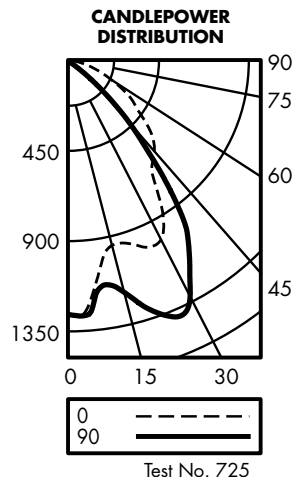
LF8CFH132EB/8CFH1WW Clear Alzak Wall Wash Reflector

Lamp: 1-F142TBX/827/A/4P-GE

Spacing Criteria:

0°=1.1
90°=1.3

Efficiency: 69.8%



CANDLEPOWER SUMMARY

Angle	0°	45°	90°
0	1282	1282	1282
5	1243	1227	1286
10	1025	1050	1150
15	959	1085	1234
20	989	1165	1359
25	1034	1205	1409
30	979	1115	1244
35	790	948	1061
40	673	660	738
45	626	420	447
50	50	230	212
55	436	102	52
60	364	63	63
65	268	51	4
70	186	43	2
75	121	33	2
80	67	19	0
85	24	1	0
90	0	0	0

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average 0°	Average 45°	Average 90°
45°	29078	20764	21414
55°	24968	2978	2978
65°	20829	311	622
75°	15356	254	381
85°	9045	0	0

1'	2'	3'	4'	MULTIPLE UNITS UNITS ON 2' CENTER	MULTIPLE UNITS UNITS ON 3' CENTER
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2' DISTANCE FIXTURE MOUNTED OUT FROM WALLS FOOTCANDLE DISTRIBUTION ON WALL SURFACE

TABLE 1.10.1										
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1'	2'	3'	4'	MULTIPLE UNITS UNITS ON 3' CENTER	MULTIPLE UNITS UNITS ON 4' CENTER
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3' DISTANCE FIXTURE MOUNTED OUT FROM WALLS FOOTCANDLE DISTRIBUTION ON WALL SURFACE

DISTANCE FROM CEILING IN FEET													
1	16.3	12.2	4.9	1.5	22.8	21.8	22.8	13.6	19.4	13.6			
2	27.0	17.8	7.2	2.1	36.7	33.6	36.7	21.6	30.9	21.6			
3	24.4	18.8	9.6	2.7	36.6	37.9	36.6	25.9	30.1	25.9			
4	18.4	16.7	11.5	5.6	33.8	34.9	33.8	26.3	25.6	26.3			
5	14.7	13.8	11.4	7.2	32.1	32.0	32.1	24.4	24.1	24.4			
6	10.7	10.2	9.3	7.2	28.1	28.0	28.1	21.5	20.9	21.5			
7	7.4	7.3	7.2	6.3	23.5	23.8	23.5	18.1	17.8	18.1			
8	5.2	5.3	5.4	5.1	19.9	19.8	19.9	16.6	14.9	16.6			

For approximate calculations for gold reflector use a .9 multiplier.
Actual data available upon request.

Test no. 725

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

Room Cavity Ratio		% Effective Ceiling Cavity Reflectance																	
		80%			70%			50%			30%			10%			0%		
		20% Effective Floor Cavity Reflectance																	
		% Wall Reflectance																	
		70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0		.83	.83	.83	.83	.81	.81	.81	.81	.78	.78	.78	.74	.74	.74	.71	.71	.71	.70
1		.78	.76	.73	.71	.76	.74	.72	.70	.71	.70	.68	.68	.67	.66	.66	.65	.64	.63
2		.73	.68	.65	.62	.71	.67	.64	.61	.65	.62	.60	.63	.60	.58	.61	.59	.57	.56
3		.68	.62	.58	.54	.66	.61	.57	.54	.59	.56	.53	.57	.55	.52	.56	.53	.51	.50
4		.63	.57	.52	.48	.62	.56	.51	.48	.54	.50	.47	.53	.49	.47	.51	.48	.46	.45
5		.59	.52	.47	.43	.58	.51	.46	.43	.50	.46	.42	.48	.45	.42	.47	.44	.42	.40
6		.55	.48	.42	.39	.54	.47	.42	.39	.46	.41	.38	.45	.41	.38	.44	.40	.38	.36
7		.52	.44	.39	.35	.51	.43	.38	.35	.42	.38	.35	.41	.37	.34	.40	.37	.34	.33
8		.49	.40	.35	.32	.48	.40	.35	.32	.39	.35	.32	.38	.34	.31	.38	.34	.31	.30
9		.46	.37	.32	.29	.45	.37	.32	.29	.36	.32	.29	.36	.32	.29	.35	.31	.29	.28
10		.43	.35	.30	.27	.42	.35	.30	.27	.34	.30	.27	.33	.29	.27	.33	.29	.26	.25

LF8CFH132EB/8CFHWW

Test No. 725

NOTES

Refer to www.prescolite.com for additional photometric tests (IES Files).

Note: Use of horizontally-lamped open downlights with amalgam-based CFL lamps in air-handling plenums is not recommended because cool air flow over the lamps will result in reduced light output. Prescolite recommends vertical lamp downlights or use of the regressed lensed trim option for horizontal downlights in these applications to reduce this effect. Refer to Prescolite White Paper WP0003 at www.prescolite.com for more information.



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