

# 8" Vertical Open & Wall Wash Downlight CFT832EB

One 26W, 32W, or 42W Triple Tube 4-Pin Lamp  
Non-IC Rated  
120V, 208V, 240V, 277V, or 347V

DATE: \_\_\_\_\_ TYPE: \_\_\_\_\_

FIRM NAME: \_\_\_\_\_

PROJECT: \_\_\_\_\_



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

Featuring VirtualSource<sup>55</sup> VSS5 Reflectors

Featuring VirtualSource VS Reflectors

### APPLICATIONS:

The CFT832EB offers a vertical lamped compact fluorescent downlight and wall wash fixture that provides superior brightness and glare control. The multi-watt, multi-volt ballast provides the ability to change wattages by simply changing the lamp. This luminaire is ideal for a wide variety of medium to high ceiling applications including commercial, retail, and hospitality. The CFT832EB luminaire is compatible with the Signos8 family of architectural elements.

### HOUSING:

One-piece 18-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 and wall wash downlight reflectors. Diecast aluminum heat sink with patented (U.S. Patent No. 7,740,384) twist and lock mechanism that ensures accurate and stable lamp location.

### REFLECTOR:

High purity aluminum Alzak Virtual Source<sup>®</sup> iridescence suppressed reflector. Self-trim standard. Painted white self-trim available. Baffled units standard with painted white self trim.

### BALLAST:

One (1) compact fluorescent Class 'P' electronic ballast suitable for operating all 26W, 32W, and 42W triple tube lamps. EOL protection standard. Accessible from below ceiling. 347V available (specify wattage when ordering).

### LAMP:

One (1) 26W (GX24q-3 base), 32W (GX24q-3 base), or 42W (GX24q-4 base) 4-pin triple tube compact fluorescent lamp. Lamp furnished by others or as option below.

### SOCKET:

One (1) injection molded socket suitable for 26W, 32W, and 42W triple tube lamps (vented). Adjusts up to three positions, accommodating various lamp sizes and ensuring proper lamp position.

### INSTALLATION:

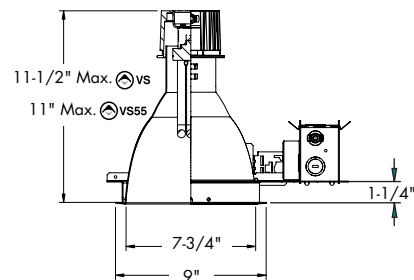
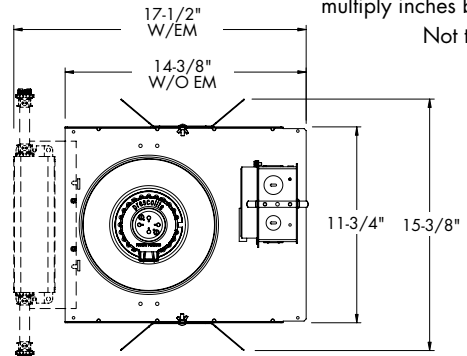
Universal adjustable mounting brackets accommodate 1 1/2" or 3/4" lathing channel or 1/2" EMT (by others), or Prescolite 24" bar hangers (B24 or B6).

### LABELS:

UL Listed or UL/CSA listed with CDN option for damp locations  
Approved for through wiring  
Non-type I.C.

### LAMP INCLUDED OPTION:

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



CATALOG NUMBER:

EXAMPLE: CFT832EBDM STF802PWWT LP32T30K B6

HOUSING	HOUSING OPTIONS	HOUSING OPTIONS	REFLECTORS	REFLECTOR COLOR	ACCESSORIES
<input type="checkbox"/> <b>CFT832EB<sup>3</sup></b> 8" (1) 26W/32W/42W Triple tube, multi-volt electronic ballast	<input type="checkbox"/> <b>CDN</b> Canadian electrical code compliant ballast disconnect <input type="checkbox"/> <b>CDN 347V<sup>1</sup></b> Canadian electrical code compliant ballast disconnect <input type="checkbox"/> <b>CP</b> Chicago Plenum. Fixture construction and/or specifications may vary. CP fixture height is 12 <sup>15/16</sup> "	<input type="checkbox"/> <b>7DM</b> Advance Mark 7 Dimming Ballast to 5%, 4-wire 0-10V, analog (120V-277V) (specify wattage) <input type="checkbox"/> <b>XDM</b> Advance Mark 10 Dimming Ballast to 5%, 2-wire line voltage (specify supply voltage) <input type="checkbox"/> <b>EM<sup>9,10</sup></b> Emergency battery pack with integral test switch and indicator light <input type="checkbox"/> <b>FSDFA</b> Fuse kit installed at factory <input type="checkbox"/> <b>RF1<sup>9,10</sup></b> Radio interference filter (single circuit) <input type="checkbox"/> <b>MW26</b> Max Wattage label, 26W <input type="checkbox"/> <b>MW32</b> Max Wattage label, 32W <input type="checkbox"/> <b>SYL<sup>4</sup></b> Osram Sylvania Ballast (available only for standard EB option) <input type="checkbox"/> <b>SMT<sup>9</sup></b> Philips Advance SmartMate <sup>®</sup> ballast	<input type="checkbox"/> <b>STF802</b> vs 8" Alzak reflector <input type="checkbox"/> <b>STF80255</b> vss5 8" Alzak reflector, 55 Degree Cut-off	<input type="checkbox"/> <b>Blank</b> Clear Alzak <input type="checkbox"/> <b>CG</b> Champagne Gold Alzak <input type="checkbox"/> <b>BL</b> Black Alzak <input type="checkbox"/> <b>WE</b> Wheat Alzak <input type="checkbox"/> <b>LW</b> Light Wheat Alzak <input type="checkbox"/> <b>PW</b> Pewter Alzak	<input type="checkbox"/> <b>B24</b> Set of two (2) 24" bar hangers for T-bar ceilings <input type="checkbox"/> <b>B6</b> Set of two (2) bar hangers for ceiling joists up to 24" centers <input type="checkbox"/> <b>FSDFI</b> Fuse kit for field installation <input type="checkbox"/> <b>SCA8D</b> Sloped ceiling adapter (see note on back page) <input type="checkbox"/> <b>Signos<sup>®</sup>8<sup>6</sup></b> Architectural glass elements Refer to specification sheets ARCH-SIG-005 through 008
			<b>REFLECTOR FINISH</b> <input type="checkbox"/> <b>Blank</b> Specular <input type="checkbox"/> <b>SS</b> Semi-Specular <input type="checkbox"/> <b>MFC<sup>5</sup></b> American Matte <sup>™</sup>	<b>REFLECTOR OPTIONS</b> <input type="checkbox"/> <b>WT</b> Painted white self-flange <input type="checkbox"/> <b>BC<sup>5,6,8</sup></b> Painted black cone <input type="checkbox"/> <b>WC<sup>5,6,8</sup></b> Painted white cone <input type="checkbox"/> <b>BB<sup>5,6,8</sup></b> Painted black baffle <input type="checkbox"/> <b>WB<sup>5,6,8</sup></b> Painted white baffle <input type="checkbox"/> <b>WW<sup>5,6</sup></b> Wall wash reflector <input type="checkbox"/> <b>TRG</b> Trim Ring Gasket (factory installed)	<b>LAMP ACCESSORIES</b> <input type="checkbox"/> <b>LP</b> -wattage= 26, 32, 42 -type= T (Triple 4-pin) -temp= 27K, 30K, 35K, 41K (Kelvin) *Example: LP32T30K

<sup>1</sup>Dimming options not available in 347V.

<sup>2</sup>Not available with 42W lamps.

<sup>3</sup>For 26W, 32W, or 42W CFL lamps specify CFT826EB, CFT832EB, or CFT842EB housing and add desired dimming option suffix.

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

<sup>5</sup>Not available with STF80255 reflector.

<sup>6</sup>Not available for wall wash.

<sup>7</sup>For 42W specify CFT842EB ECDM

<sup>8</sup>All painted cones and baffles come standard with upper portion of reflector clear Alzak

<sup>9</sup>Not available for 347V

<sup>10</sup>Not available with CP option



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In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.  
Web: [www.prescolite.com](http://www.prescolite.com) • Tech Support: (888) 777-4832

ARCH-CFL-031

# PHOTOMETRIC DATA

## Architektür - 8" Vertical Open & Wall Wash Downlights - CFT832EB

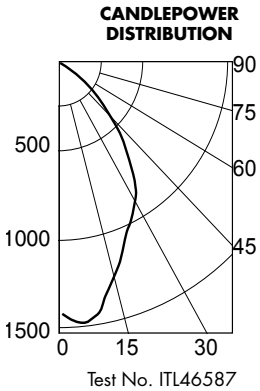
BALLAST DATA	26W Triple			32W Triple			42W Triple		
	120V	277V	347V	120V	277V	347V	120V	277V	347V
Total System Watts	28W	28W	38W	35W	35W	42W	44W	47W	48W
Input Current (Amps)	0.23	0.1	0.11	0.29	0.13	0.12	0.36	0.17	0.14
Input Frequency in Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Power Factor	>97%	>97%	>97%	>97%	>97%	>97%	>97%	>97%	>97%
Ballast Factor	>98%	>98%	>98%	>98%	>98%	>98%	>98%	>98%	>98%
Total Harmonic Distortion	<10%	<10%	<10%	<10%	<10%	<10%	<10%	<10%	<10%
Min. Starting Temp.	-18°C (0°F)	-18°C (0°F)	-18°C (0°F)	-18°C (0°F)	-18°C (0°F)	-18°C (0°F)	-18°C (0°F)	-18°C (0°F)	-18°C (0°F)

### LAMP DATA

	26W Triple	32W Triple	42W Triple
Rated Watts	26W Triple	32W Triple	42W Triple
Rated Lumens	1800	2400	3200
Efficacy (LPW)	69	75	76
Rated Life	10,000 hours	10,000 hours	10,000 hours
CRI	82	82	82
Min. Starting Temp.	0° F	0° F	0° F

### CFT832EB-STF802 vs

Lamp: One 32W Triple  
 Rated Lumens: 2400  
 Spacing Criteria: 1.0  
 Efficiency = 70.9%



**CANDLEPOWER SUMMARY**

Angle	Mean CP
0	1397
5	1445
15	1221
25	971
35	709
45	384
55	14
65	0
75	0
85	0

Test No. ITL46587

### LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Standard vs Reflector
45°	1890
55°	191
65°	0
75°	0
85°	0

Test No. ITL46587

### COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance				% Effective Floor Cavity Reflectance				% Wall Reflectance			
	80%   70%   50%   30%				20%				70   50   30   10   50   10   50   10			
	70	50	30	10	70	50	30	10	70	50	30	10
1	.80	.78	.76	.74	.78	.73	.74	.71	.71	.69		
3	.71	.66	.62	.59	.70	.59	.63	.58	.61	.57		
5	.63	.56	.52	.48	.62	.48	.54	.48	.53	.47		
7	.56	.48	.44	.40	.55	.40	.47	.40	.46	.40		
9	.50	.42	.37	.34	.49	.34	.41	.34	.40	.34		

CFT832EB-STF802 vs Test No. ITL46587

### NOTES

vs Denotes a Virtual Source reflector.

Refer to [www.prescolite.com](http://www.prescolite.com) for additional photometric tests (IES Files).

When ordering a sloped ceiling adapter, specify the degree of slope in 5° increments, max. of 35°. For a more precise degree or wet ceiling applications, please contact factory. Sloped ceiling adapter and housing must be installed at the same time.



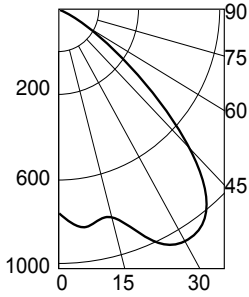
# PHOTOMETRIC DATA

# Architektür - 8" Vertical Open & Wall Wash Downlights - CFT832EB

## CFT832EB-STF80255

Lamp: One 32W Triple  
 Rated Lumens: 2400  
 Spacing Criteria: 1.5  
 Efficiency = 87.8%

### CANDLEPOWER DISTRIBUTION




Test No. ITL16654

### CANDLEPOWER SUMMARY

Angle	Mean CP
0	788
5	816
15	818
25	1014
35	1008
45	683
55	155
65	5
75	1
85	0

### LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	55 Degree  Option
45°	31760
55°	8861
65°	382
75°	171
85°	136

Test No. ITL16654

### COEFFICIENTS OF UTILIZATION

Zonal Cavity Method



Room Cavity Ratio	% Effective Ceiling Cavity Reflectance				20% Effective Floor Cavity Reflectance							
	80%   70%   50%   30%				% Wall Reflectance							
	70	50	30	10	70	10	50	10	50	10		
1	.98	.95	.92	.90	.96	.89	.90	.86	.87	.84		
3	.85	.78	.73	.68	.84	.68	.75	.67	.72	.66		
5	.74	.64	.58	.53	.72	.53	.62	.52	.60	.52		
7	.64	.53	.47	.42	.62	.42	.52	.42	.50	.41		
9	.56	.45	.38	.34	.54	.34	.44	.34	.43	.34		

CFT832EB-STF80255  Test No. ITL16654

### AVERAGE INITIAL FOOTCANDLES ON WORKPLANE


Assumptions:

1. Ceiling 80% Wall 50% Floor 20%
2. 4 Luminaires evenly spaced in the center of the room.
3. The room is square and has a width and length equal to twice the luminaire spacing (LS).
4. RCR is Room Cavity Ratio.
5. Dirt and Lumen Depreciation Factors are 1.0
6. Ballast Factor is 1.0 for ballasted fixtures.
7.  $h_{ic}$  is height between fixtures and workplane

RCR7	LS(FEET)	$h_{ic}$ (FEET)	Standard Reflector	55 Degree Option
			Average Initial  vs	Average Initial  vs55
			Footcandles	Footcandles
	7.0	10	24	26
	8.0	11	18	20
	9.0	13	14	16
	10.0	14	12	13

Test No. ITL46587/ITL16654

### NOTES

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