

# 6" Horizontal Triple Open & Wall Wash Downlight

## CFT632HEB

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

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

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

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



Featuring VirtualSource55 Reflectors

Featuring VirtualSource Reflectors

### APPLICATIONS:

The CFT632HEB offers a horizontally 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 replacing the lamp. This luminaire is ideal for a wide variety of low to medium height ceiling applications including commercial, retail, and hospitality. The CFT632HEB is compatible with the Signosó 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.

### 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 multi-volt (120V through 277V) ballast suitable for operating 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. Lamps furnished by others or as option below.

### SOCKET:

One (1) injection molded socket suitable for 26W, 32W, and 42W triple tube lamps (vented).

### INSTALLATION:

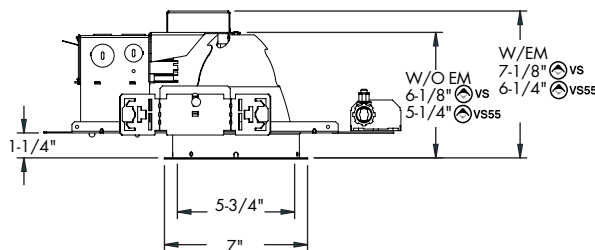
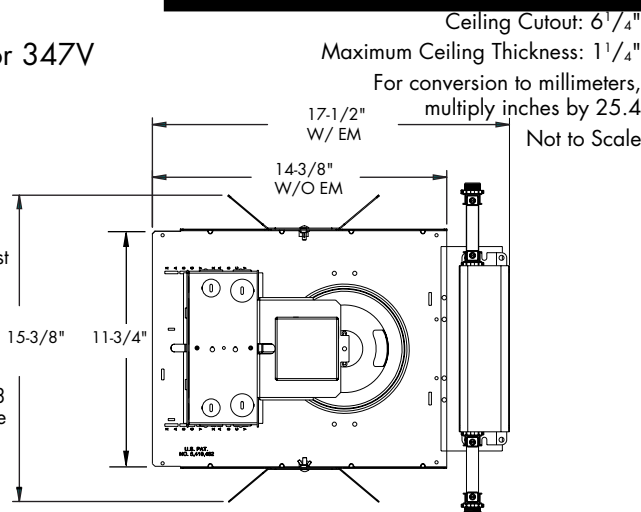
Universal adjustable mounting brackets accommodate 1 1/2" or 3/4" lathing channel or 1/2" EMT (by others), or Prescolite 24" bar hangers (B24 or B6).

### 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: CFT632HEBDMEM STF602HCG LP32T30K B24

HOUSING	HOUSING OPTIONS	HOUSING OPTIONS	HOUSING OPTIONS	REFLECTOR	REFLECTOR COLOR	ACCESSORIES
<input type="checkbox"/> <b>CFT632HEB</b> 6" 26W 32W/42W triple tube, multi-volt electronic ballast <input type="checkbox"/> <b>CFT632HEB55</b> 6" 26W 32W/42W triple tube, multi-volt electronic ballast, 55 Degree Cut-off	<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 3,8</b> Chicago Plenum. Fixture construction and/or specifications may vary. Refer to Chicago Plenum specification sheets on www.prescolite.com for details. <input type="checkbox"/> <b>DM</b> Electronic Analog Dimming Ballast to 3%, 4-wire (specify voltage/wattage; 120V-277V)	<input type="checkbox"/> <b>SDM<sup>3</sup></b> Lutron Compact SE Dimming Ballast to 5%, 3-wire line voltage (specify supply voltage/wattage) <input type="checkbox"/> <b>HDM 2,3</b> Lutron Hi-Lume Dimming Ballast to 1%, 3-wire line voltage (specify supply voltage/wattage) <input type="checkbox"/> <b>2DM 2,3</b> Lutron Tu-Wire Dimming Ballast to 5%, 2-wire line voltage (120V only) <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 voltage/wattage)	<input type="checkbox"/> <b>EM<sup>6</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>RIF1</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>9</sup></b> Osram Sylvania Ballast (available only for standard EB option)	<input type="checkbox"/> <b>STF602H</b> 6" Alzak reflector <input type="checkbox"/> <b>STF602H55</b> 6" Alzak reflector, 55 Degree Cut-off <input type="checkbox"/> <b>STF602HLP32T35K</b> 6" Alzak reflector with lamp (32W, Triple, 3500K) REFLECTOR FINISH <input type="checkbox"/> <b>Blank</b> Specular <input type="checkbox"/> <b>SS</b> Semi-Specular <input type="checkbox"/> <b>MFC<sup>7</sup></b> American Matte <sup>™</sup>	<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>BC 4,7,10</b> Painted black cone <input type="checkbox"/> <b>WC 4,7,10</b> Painted white cone REFLECTOR OPTIONS <input type="checkbox"/> <b>WT</b> Painted white self-flange <input type="checkbox"/> <b>BB 4,7,10</b> Painted black baffle <input type="checkbox"/> <b>WB 4,7,10</b> Painted white baffle <input type="checkbox"/> <b>WW<sup>7</sup></b> Wall wash reflector <input type="checkbox"/> <b>TRG</b> Trim Ring Gasket (factory installed)	<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>SCA6D</b> Sloped ceiling adapter (see note on back page) <input type="checkbox"/> <b>Signosó<sup>6,10</sup></b> Architectural glass elements Refer to specification sheets ARCH-SIG-001 through -004 LAMP ACCESSORIES <input type="checkbox"/> <b>LP</b> -wattage= 26, 32, or 42 -type= T (Triple 4-pin) -temp=27K, 30K, 35K 41K (Kelvin) *Example: LP32T41K

<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 CFT626HEB, CFT632HEB, or CFT642HEB housing and add desired dimming option suffix.

<sup>4</sup>Not available with MFC or semi-specular finishes.

<sup>5</sup>Top access required to service ballast for Chicago Plenum.

<sup>6</sup>Not valid with lensed trim.

<sup>7</sup>Not available with STF602H55 reflector.

<sup>8</sup>Contact Technical Support for availability with CFT632HEB55.

<sup>9</sup>Available for Osram Sylvania Quick 60+<sup>®</sup> Limited Warranty when used with Osram lamp(s). See www.prescolite.com for details.

<sup>10</sup>Not available for wall wash



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.  
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ARCH-CFL-001

# PHOTOMETRIC DATA

# Architektür - 6" Horizontal Triple Open & Wall Wash Downlights - CFT632HEB

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%
Minimum 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 (One per fixture)

	26W Triple	32W Triple	42W Triple
Rated Watts	26W Triple	32W Triple	42W Triple
Rates 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

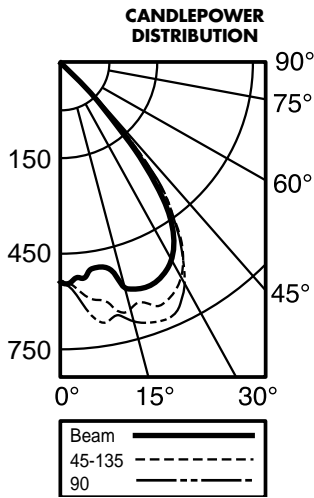
## CFT632HEB-STF602H vs with Specular Clear Alzak Reflector

Lamp: One 32W Triple  
 Spacing Criteria:  
 0° = 1.5  
 90° = 1.6  
 Efficiency: 45.1%

## LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average 0°	Average 45°	Average 90°
45°	21019	21096	14312
55°	0	0	0
65°	0	0	0
75°	0	0	0
85°	0	0	0

Test No. PL5221



Angle	CANDLEPOWER SUMMARY		
	0°	45°	90°
0	540	540	540
5	598	572	535
15	649	638	528
25	700	663	601
35	605	601	557
45	249	249	227
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

Test No. PL5221

## COEFFICIENTS OF UTILIZATION

### Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance				% Effective Floor Cavity Reflectance				% Wall Reflectance							
	80%				70%				50%				30%			
	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10
1	.51	.50	.49	.48	.50	.47	.47	.46	.45	.44						
3	.46	.43	.41	.39	.45	.39	.41	.38	.40	.38						
5	.41	.37	.35	.33	.40	.32	.36	.32	.35	.32						
7	.36	.32	.29	.27	.36	.27	.31	.27	.30	.27						
9	.32	.27	.24	.22	.31	.22	.26	.22	.26	.22						

CFT632HEB-STF602H vs Test No. PL5221

**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](http://www.prescolite.com) for more information.

## 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.



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Hubbell Lighting, Inc.

# PHOTOMETRIC DATA

# Architektür - 6" Horizontal Triple Open & Wall Wash Downlights - CFT632HEB

## CFT632HEB55-STF602H55 with Specular Clear Alzak Reflector

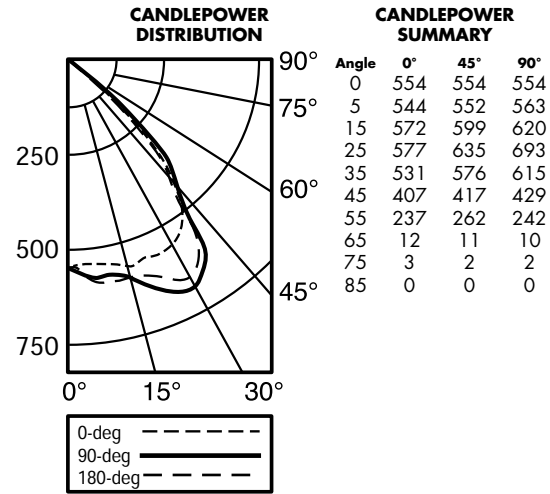
Lamp: One 32W Triple

Spacing Criteria:

0° = 1.5

90° = 1.6

Efficiency: 59.2%



Test No. 2682

## LUMINANCE DATA IN CANDELA/SQ. METER



Angle in Vertical	Average 0°	Average 90°	Average 180°
45°	34345	36201	35695
55°	24655	25175	21742
65°	1694	1412	1412
75°	692	461	461
85°	0	0	0

Test No. 2682

## COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance				% Effective Floor Cavity Reflectance				% Wall Reflectance			
	80%   70%   50%   30%				20% Effective Floor Cavity Reflectance							
	70	50	30	10	70	10	50	10	50	10	50	10
1	.66	.64	.62	.61	.65	.60	.60	.58	.58	.56	.56	.56
3	.57	.52	.48	.45	.56	.45	.50	.44	.48	.44	.44	.44
5	.49	.43	.38	.35	.48	.35	.41	.34	.40	.34	.34	.34
7	.43	.35	.31	.28	.42	.28	.34	.27	.33	.27	.27	.27
9	.37	.30	.25	.22	.36	.22	.29	.22	.28	.22	.22	.22



CFT632HEB55-STF602H55 Test No. 2682



## 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.  $h_{rc}$  is height between fixtures and workplane

RCR7	Standard Reflector Average Initial 	55 Degree Option Average Initial 
LS(FEET)	$h_{rc}$ (FEET)	Footcandles
7.0	10	16
8.0	11	12
9.0	13	9
10.0	14	8

Test No. PL5221/2682

## NOTES

 Denotes a Virtual Source reflector.

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