Featuring VirtualSource VS Reflectors

8" Horizontal VirtualBaffle® Two Lamp Downlights

CFCB832DTHEB
CFCB842DTHEB

Two 26W, 32W, or 42W
Triple Tube 4-Pin Lamps
120V to 277V and 347V
Non-IC Rated

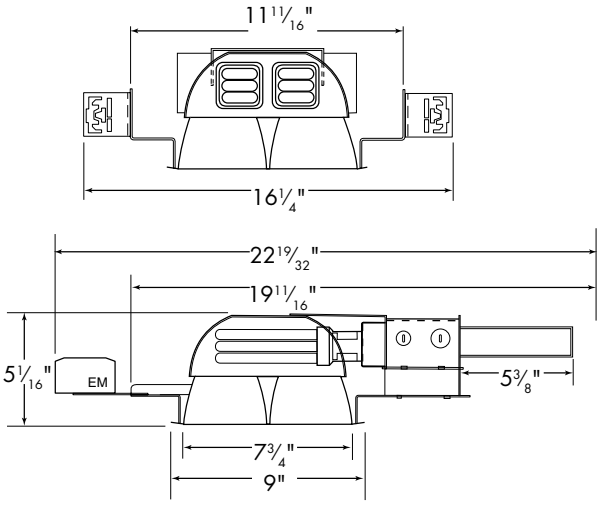
DATE: TYPE:

FIRM NAME:

PROJECT:

Architektūr

Ceiling Cutout: 8¼"
Maximum Ceiling Thickness: 1¼"
For conversion to millimeters, multiply by 25.4
Scale: NTS



(Virtual Baffle shown above.)

Virtual Baffle

VirtualBaffle® CB Model

APPLICATIONS:
Virtual Baffle luminaires feature downlight and wall wash distributions with excellent brightness and glare control in a shallow plenum housing. Suitable for use in a wide variety of commercial applications including offices, lobbies, and retail projects where shallow plenum luminaires are required. The CFCB8 series is compatible with the Signos8 family of architectural elements.

HOUSING:
One-piece galvanneal 18-gauge cold rolled steel platform. Prewired J-box with snap-on cover for easy access.

REFLECTOR:
360° rotatable Virtual Source® Cross Baffle or Turbo Baffle with upper reflector that allows perfect jobsite alignment. Available in specular clear, champagne gold, or white. Self trim standard. A painted white self trim option and American Matte are also available.

BALLAST:
One (1) compact fluorescent Class 'P' electronic multi-volt (120V through 277V) ballast suitable for operating all 26W, 32W, and 42W triple tube lamps. HPF and EOL protection standard. Accessible from below ceiling. Note: DM option may result in fixture containing two (2) ballasts.

LAMP/SOCKET:
Two injection molded sockets. Suitable for two 26W (GX24q-3 base), two 32W (GX24q-3 base), or two 42W (GX24q-4 base) 4-pin triple tube compact fluorescent lamps. Lamps furnished by others or as option below.

INSTALLATION:
Universal adjustable mounting brackets accommodate 1½" or ¾" lathing channel (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 IC and NYC approved

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

CATALOG NUMBER:

EXAMPLE: CFCB842DTHEB STCB8ACL LP42T30K B24

HOUSINGS

- ❑ **CFCB832DTHEB** 8", (2) 26W or 32W Triple tube, multi-volt electronic ballast
- ❑ **CFCB842DTHEB** 8", (2) 42W Triple tube, multi-volt electronic ballast

HOUSING OPTIONS

- ❑ **CDN** Canadian electrical code compliant ballast disconnect
- ❑ **CDN 347V**[5] Canadian electrical code compliant ballast disconnect
- ❑ **EM**[2,4,7] Emergency battery pack with integral test switch and indicator light
- ❑ **EMR**[7,11] Emergency battery pack with remote test switch and indicator light
- ❑ **DM** Electronic Analog Dimming Balast to 3%, 4-wire, 0-10V (120-277V)
- ❑ **7DM** Advance Mark 7 Dimming Ballast to 5%, 4-wire, 0-10V, analog (120V–277V) (specify voltage/wattage)
- ❑ **XDM**[5] Advance Mark 10 Dimming Ballast to 5%, 2-wire, line voltage (specify supply voltage)

HOUSING OPTIONS

- ❑ **2DM**[9] Lutron Tu-Wire Dimming Ballast to 5%, 2-wire, line voltage (120 volt only) (specify wattage)
- ❑ **ECDM** Lutron EcoSystem or 3-wire line voltage dimming ballast (120-277V). Dims to 5%.
- ❑ **FSDFA** Fuse kit installed at factory
- ❑ **RIF1**[6,7] Radio interference filter (single circuit)
- ❑ **MW26**[10] Max Wattage label, 26W
- ❑ **SYL**[3] Osram Sylvania Ballast (available only for standard EB option)
- ❑ **SMT**[7] Philips Advance SmartMate® ballast

REFLECTORS

- ❑ **STCB8ACL** VS 8" clear Alzak Cross Baffle reflector
- ❑ **STCB8ACG** VS 8" champagne gold Alzak Cross Baffle reflector
- ❑ **STCB8AWH** 8" white cross baffle reflector with white flange

REFLECTOR FINISH

- ❑ **Blank** Specular
- ❑ **SS**[1,2] Semi-specular

REFLECTOR OPTIONS

- ❑ **WW**[2] Wall wash reflector
- ❑ **L**[2] Clear glass lens
- ❑ **SL**[2] Glass prismatic spread lens
- ❑ **WT**[2] Painted white self-flange

ACCESSORIES

- ❑ **B24** Set of two (2) 24" bar hangers for T-bar ceilings
- ❑ **B6** Set of two (2) bar hangers for ceiling joists up to 24" centers
- ❑ **FSDFI** Fuse kit for field installation

LAMP ACCESSORIES

- ❑ **LP**_____
  -wattage= 26, 32, or 42
  -type= T (Triple 4-pin)
  -temp= 27K, 30K, 35K, 41K (Kelvin)
  *Example: LP42T30K
  Requires two lamps.

[1]Not available for Champagne Gold with cross blades.
[2]Not available for Turbo Baffle.
[3]Available for Osram Sylvania Quick 60+® Limited Warranty when used with Osram lamp(s). See www.prescolite.com for details.
[4]Not available with lensed options
[5]Dimming option not available in 347V.
[6]Consult Technical Support
[7]Not available for 347V
[8]For 26W, 32W, or 42W specify CFCB26DTHEB, CFCB832DTHEB or CFCB842DTHEB and add desired dimming ballast suffix.
[9]Not available for 42W
[10]Available for CFCB832DTHEB
[11]Remote mount test switch and indicator light for use with lensed trim.

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Web: **www.prescolite.com** • Tech Support: **(888) 777-4832**

PHOTOMETRIC DATA

Architektūr - 8" Horizontal VirtualBaffle® Downlights - CFCB8DTHEB Series

BALLAST DATA	26W		32W			42W	
	120V	***277V***	***120V***	***277V***	***347V***	***120V***	***277V***
Total Input Watts	58W	56W	74W	72W		96W	94W
Input Current (Amps)	0.45	0.21	0.61	0.26		0.8	0.35
Input Frequency in Hz	50/60	50/60	50/60	50/60		50/60	50/60
Power Factor	>97%	>97%	>97%	>97%		>97%	>97%
Ballast Factor	>98%	>98%	>98%	>98%		>98%	>98%
Total Harmonic Distortion	<10%	<10%	<10%	<10%		<10%	<10%
Total Harmonic Distortion	-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

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

CFCB832DTHEB-STCB8ACL Virtual Baffle Test No. PL5787

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average 0°	Average 45°	Average 90°
45°	14387	14939	18819
55°	886	1123	1546
65°	0	0	0
75°	0	0	0
85°	0	0	0

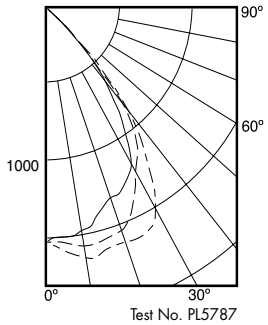
CFCB832DTHEB STCB8ACL Virtual Baffle

Lamp: Two 32W
Spacing Criteria: 0° = 1.3
90° = 1.1
Efficiency: 47.0 %

CANDLEPOWER SUMMARY

Angle	0°	45°	90°
0	1529	1529	1529
5	1490	1528	1583
10	1467	1567	1648
15	1382	1551	1617
25	1266	1401	1605
35	896	1073	1185
45	308	320	405
55	15	20	27
65	0	0	0
75	0	0	0
85	0	0	0

CANDLEPOWER DISTRIBUTION



Test No. PL5787

CFCB832DTHEB-STCB8ACL Virtual Bafle Test No. PL5787

AVERAGE INITIAL FOOTCANDLES

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

32W SPACING	RCR1	RCR3	RCR7
8.0	38	33	24
9.0	30	25	18
10.0	24	20	14
11.0	20	17	12
12.0	17	14	11

CFCB832DTHEB-STCB8ACL Virtual Baffle Test No. PL5787

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

Room Cavity Ratio	% Effective Floor Cavity Reflectance: 80%				70%				50%			30%			10%		
	20% Effective Floor Cavity Reflectance																
	% Wall Reflectance																
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
1	.53	.52	.51	.50	.52	.51	.50	.49	.49	.48	.48	.47	.47	.46	.46	.45	.45
2	.51	.49	.47	.46	.50	.48	.46	.45	.46	.45	.44	.45	.44	.43	.44	.43	.42
3	.48	.46	.43	.42	.48	.45	.43	.41	.44	.42	.41	.43	.41	.40	.42	.40	.39
4	.46	.43	.40	.38	.45	.42	.40	.38	.41	.39	.38	.40	.39	.37	.39	.38	.37
5	.38	.34	.31	.29	.37	.34	.31	.29	.33	.31	.29	.32	.30	.29	.31	.30	.29
6	.42	.37	.35	.33	.41	.37	.34	.33	.36	.34	.32	.36	.34	.32	.35	.33	.32
7	.39	.35	.32	.30	.39	.34	.32	.30	.34	.31	.30	.33	.31	.30	.33	.31	.29
8	.37	.32	.30	.28	.36	.32	.29	.27	.32	.29	.27	.31	.29	.27	.31	.29	.27
9	.35	.30	.27	.25	.34	.30	.27	.25	.29	.27	.25	.29	.27	.25	.28	.26	.25
10	.33	.28	.25	.23	.32	.28	.25	.23	.27	.25	.23	.27	.25	.23	.27	.24	.23

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.

NOTES

VS Denotes a Virtual Source reflector.

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

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Web: **www.prescolite.com** • Tech Support: **(888) 777-4832**
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