FEATURES

OPTICAL SYSTEM

- Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom.

HOUSING

- Heavy-gauge aluminum housing with top deck for clean appearance. Matte white textured polyester powder paint finish standard.
- Reflector edge sits flush with cylinder wall for clean, one-piece appearance.
- Reveal on standard ceiling and optional pendant mount give floating luminaire appearance.

MOUNTING

- Ceiling mount (standard) offers patented (U.S. Patent No. 4,300,190) quick-mount attachment plate for direct installation to 4" square junction box.
- Optional wall mount provided with mounting pattern for direct installation to 4" square or octagonal junction box.
- Optional pendant mounting entry provided for 3/8" National Pipe Thread stem. Mounting accessories available (see Accessories).

ELECTRICAL SYSTEM

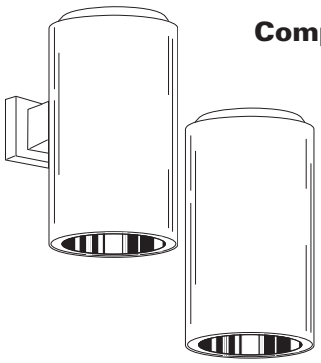
- Vertically mounted, four-pin, positive-latch, thermoplastic socket.
- Class P, thermally protected, high-power-factor electronic ballast.

LISTING

- Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

Type ..... Catalog number .....

.....

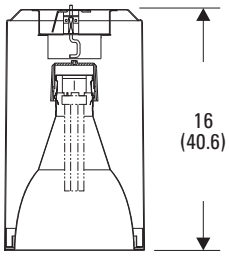


Compact Fluorescent Cylinders

9" CFV

Cylinders

Vertical Lamp
Double Twin-Tube
or Triple-Tube
8" Aperture

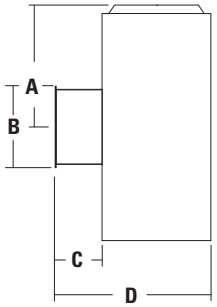


Reflector Aperture: 8 (20.3)
Housing Diameter: 9-3/8 (23.8)

All dimensions are inches (centimeters).

A = 8 (20.3)
B = 5-5/16 (13.5)
C = 3-1/4 (8.3)
D = 12-5/8 (32.1)

Wall Mount Dimensions



ORDERING INFORMATION

Example: **CFV9 26DTT 8AR 120 DWHG**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

CFV9

Series	Wattage/ Lamp	Trim color	Finish	Voltage	Ballast	Mounting	Options	Housing Color[4]
CFV9	**13DTT**	**8AR** Clear	(blank) Semi-specular	**MVOLT**[1]	(blank) Electronic ballast	(blank) Ceiling mount	**WLP** With lamp (3500 K)	**DWHG** Matte white
	18DTT	**8PR** Pewter	**LD** Matte diffuse	**120**	**ECOS** Lutron EcoSystem™	**PM**[3] Pendant 3/8" thread mount	**GMF**[2] Single slow-blow fuse	**DBL** Black
	26DTT	**8WTR** Wheat		**277**	**ADEZ**[2] Advance Mark 10	**WM** Wall mount	**GLR**[2] Single fast-blow fuse	**DNA** Natural aluminum
	13TRT			**347**	**ADZT**[2] Advance Mark 7			**DDB** Dark bronze
	18TRT							**DWH** Gloss white
	26TRT							
	32TRT							
	42TRT							

NOTES:

1 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 Hz.
2 Available in 120V or 277V only.
3 Stem not included.
4 Additional housing colors available; please see brochure 794.3.
5 For use on pendant mount (PM) only. Specify length of stem (from 6" to 240" in even increments in maximum sections of 48"). EX.: CYS06 DWHG. Consult Gotham Technical Support for exterior use.

Accessories

Order as separate catalog number

CYS[5] 3/8" stem and canopy with 5° "hang straight" swivel
CRS[5] 3/8" stem and canopy with 45° swivel
nSP5 D Sensor Switch nLight™ 0-10V dimming relay. Requires additional nLight bus power supply.

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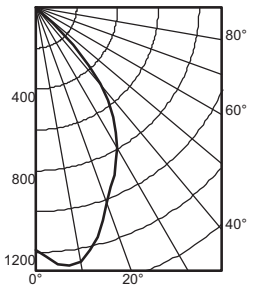
9" **CFV** Fluorescent Cylinders

Distribution curve **Distribution data** **Output data** **Coefficient of utilization** **Single luminaire data 30" above floor**

CFV9 32TRT 8AR, (1) PL-T 32W/30/4P lamp, 1.0 s/mh, 2400 rated lumens, Test No. 2196072901



	Ave	Lumens
0	1186	
5	1260	120
15	1166	323
25	909	415
35	658	405
45	260	191
55	6	8
65	1	0
75	0	0
85	0	0
90	0	

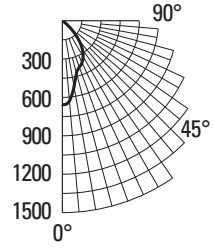
Zone	Lumens	% Lamp
0° - 30°	858.5	35.8
0° - 40°	1263.7	52.7
0° - 60°	1462.0	60.9
0° - 90°	1462.5	60.9
90° - 180°	0.0	0.0
0° - 180°	1462.5	*60.9

*Efficiency

pf	20%								
pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	73	73	73	71	71	71	68	68	68
1	67	66	64	66	64	63	63	62	61
2	62	59	57	61	59	57	59	57	55
3	57	54	52	57	54	51	55	52	50
4	53	50	47	53	49	47	51	48	46
5	49	46	43	49	45	43	48	45	42
6	46	42	39	45	42	39	44	41	39
7	43	39	36	42	39	36	42	38	36
8	40	36	33	40	36	33	39	36	33
9	37	34	31	37	33	31	37	33	31
10	35	31	29	35	31	29	34	31	29

		50% beam - 55.0°		10% beam - 87.7°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	39.2	5.7	19.6	10.6	3.9
10.0	21.1	7.8	10.5	14.4	2.1
12.0	13.1	9.9	6.6	18.3	1.3
14.0	9.0	12.0	4.5	22.1	0.9
16.0	6.5	14.0	3.3	26.0	0.7

CFV9 13DTT 8AR, (1) PL-C 13W/27/4P lamp, 0.7 s/mh, 900 rated lumens, test no. 2196071601



From 0°	cp.	Lumens
0°	653	
5°	629	59
15°	424	125
25°	362	166
35°	274	169
45°	123	95
55°	6	14
65°	0	1
75°	0	1
85°	0	1
90°	0	

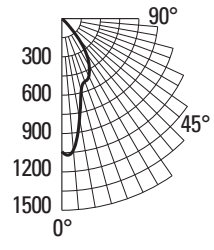
Zone	Lumens	%lamp
0°-30°	348	38.7
0°-40°	516	57.4
0°-60°	625	69.5
0°-90°	626	69.6
90°-180°	0	0.0
0°-180°	626	69.6*

*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	77	76	76	75	73	72
2	73	70	71	69	69	67
3	68	64	67	64	65	63
4	64	60	63	60	61	58
5	59	55	59	55	57	54
6	56	52	55	51	54	51
7	52	48	51	47	50	47
8	48	44	48	44	47	43
9	45	41	44	41	44	40
10	42	38	41	38	41	37

		50% beam angle 37.3°		10% beam angle 84.5°	
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8'	21.6	3.7'	10.8	10.0'	2.2
10'	11.6	5.1'	5.8	13.6'	1.2
12'	7.2	6.4'	3.6	17.3'	0.7
14'	4.9	7.8'	2.5	20.9'	0.5
16'	3.6	9.1'	1.8	24.5'	0.4

CFV9 18DTT 8AR, (1) CF18DD/E/827 lamp, 0.6 s/mh, 1250 rated lumens, test no. 2196072502



From 0°	cp.	Lumens
0°	1039	
5°	1033	94
15°	583	178
25°	499	227
35°	333	208
45°	65	68
55°	1	2
65°	0	1
75°	0	1
85°	0	1
90°	0	

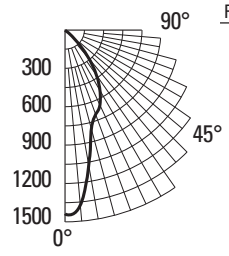
Zone	Lumens	%lamp
0°-30°	497	39.8
0°-40°	704	56.4
0°-60°	773	61.9
0°-90°	773	61.9
90°-180°	0	00.0
0°-180°	773	61.9*

*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	69	68	68	67	65	65
2	65	63	64	62	62	61
3	61	59	61	58	59	57
4	58	55	58	55	56	54
5	55	52	54	51	53	51
6	52	49	51	48	51	48
7	49	46	49	45	48	45
8	46	43	46	43	45	42
9	43	40	43	40	42	39
10	41	37	41	37	40	37

		50%		10%79.278.7°	
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8'	34.4	3.0'	17.2	9.1'	3.4
10'	18.5	4.1'	9.2	12.4'	1.8
12'	11.5	5.2'	5.8	15.7'	1.2
14'	7.9	6.3'	3.9	19.0'	0.8
16'	5.7	7.4'	2.9	22.3'	0.6

CFV 26DTT 8AR, (1) CF26DD/E/827 lamp, 0.6 s/mh, 1825 rated lumens, test no. 2196072602



From 0°	cp.	Lumens
0°	1436	
5°	1374	126
15°	801	241
25°	646	296
35°	432	269
45°	157	121
55°	3	6
65°	0	1
75°	0	1
85°	0	1
90°	0	

Zone	Lumens	%lamp
0°-30°	661	36.3
0°-40°	930	51.0
0°-60°	1056	57.9
0°-90°	1056	57.9
90°-180°	0	0.0
0°-180°	1056	57.9*

*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	65	63	64	62	60	59
2	61	59	60	58	57	55
3	57	55	56	54	53	52
4	54	51	53	51	52	50
5	51	48	50	47	49	47
6	48	45	48	45	47	44
7	45	42	45	42	44	41
8	42	39	42	39	42	39
9	40	37	40	37	39	36
10	37	34	37	34	37	34

		50%		10%	
		beam angle 30.2°		beam angle 78.5°	
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8'	47.5	3.0'	23.7	9.0'	4.7
10'	25.5	4.1'	12.8	12.3'	2.6
12'	15.9	5.1'	8.0	15.5'	1.6
14'	10.9	6.2'	5.4	18.8'	1.1
16'	7.9	7.3'	3.9	22.1'	0.8

NOTES:

1. For electrical characteristics consult Technical Bulletins tab.
2. Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.

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