FEATURES

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

OPTICAL SYSTEM

- Reflector - Self-flanged, specular clear or semi-diffuse reflector. Bounding Ray Optical Principle design provides lamp before lamp image and smooth transition from top of reflector to bottom. Minimum flange matches reflector finish. White painted flange optional. (Vertisys optical system patented - US Patent #5,800,050)

HOUSING

- Aluminum housing with top reveal for floating luminaire appearance. Matte white textured polyester powder paint finish standard.

MOUNTING

- Standard ceiling mount provided with mounting pattern for direct installation to 3-1/4" and 4" octagonal or 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 options).

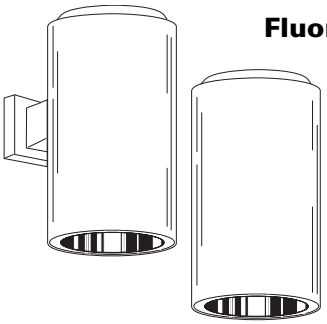
ELECTRICAL SYSTEM

- Verically-mounted, positive latch thermoplastic socket.
- Class P (GEB10), thermally-protected, high-power factor electronic ballast.

LISTING

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

*Holophane is a trade name of the Holophane Co.

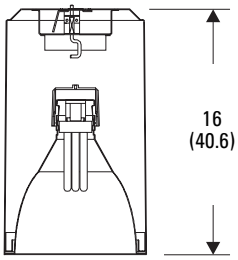


Fluorescent Surface Downlights

9" CFV

Cylinders

Vertical Lamp
Tri-Tube

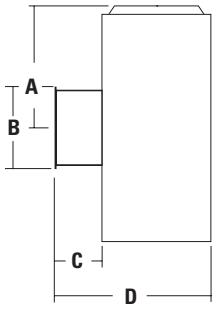


Reflector Aperture: 8 (20.3)
Housing Diameter: 9-1/4 (23.5)

All dimensions are inches (centimeters).

A = 8 (20.3)
B = 5-5/16 (13.5)
C = 3-1/4 (8.3)
D = 12-1/2 (31.8)

Wall Mount Dimensions



ORDERING INFORMATION

Example: **CFV9 26TRT 8AR 120 GEB10 WLP DWHG**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.

CFV9 _____ _____ _____ _____ **GEB10** _____

Series
CFV9

Wattage/lamp[1]
18TRT One 18W tri-tube
26TRT One 26W tri-tube
32TRT One 32W tri-tube
42TRT One 42W tri-tube

Reflector color
8AR Clear
8PR Pewter
8WTR Wheat
8UBR Umber
8CR[2] Champagne gold
8GR[2] Gold

Finish
(blank) Specular low iridescent
LD Semi-diffuse low iridescent

Volt
120
277
347

Ballast*
GEB10 Electronic ballast.
*Ballast must be specified.

Options
GMF Single slow-blow fuse
WM Wall mount
PM Pendant 3/8" thread mount

Shipped Separately

CYS[3] 3/8" stem and canopy with 5° "hang straight" swivel
CRS[3] 3/8" stem and canopy with 45° swivel
WLP With 35K lamp.

Architectural Colors
(powder finish)[4]

Standard Colors
DWHG Matte white (standard)
DDB Dark bronze
DBL Black
DWH Gloss white

Classic Colors
DMB Medium bronze
DNA Natural aluminum
DSS Sandstone
DGC Charcoal gray
DTG Tennis green
DBR Bright red
DSB Steel blue

NOTES:
1 Consult factory for use with G.E. lamps.
2 Not recommended for use with compact fluorescent lamps; consult factory.
3 Pendant mount units. Length of stem must be specified (from 6" to 48" in 6" increments). Ceiling attachment for interior use. Consult factory for exterior use. Stem and cylinder color will match when ordered as option. Stem will be black if ordered as separate line item.
4 Additional architectural colors available; please see brochure 794.3.

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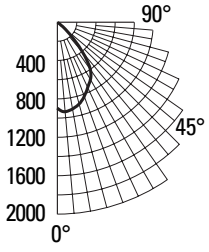
GOTHAM ARCHITECTURAL DOWNLIGHTING
A DIVISION OF ACUITY LIGHTING GROUP, INC.
1400 Lester Road Conyers Georgia 30012
P 800 315 4982 F 770 860 3129
www.gothamlighting.com

9" CFV Open Cylinder, Gotham Series

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

CFV9 26TRT 8AR, (1) PL-T 26W/30/4P lamp, 1.1 s/mh, 1800 rated lumens, test no. 2196072601



From 0°	cp.	Lumens
0°	893	
5°	935	89
15°	881	249
25°	751	347
35°	601	369
45°	223	179
55°	6	9
65°	0	1
75°	0	1
85°	0	1
90°	0	

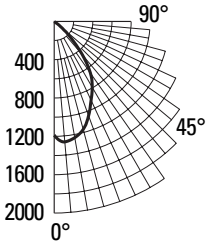
Zone	Lumens	%lamp
0°-30°	684	38.0
0°-40°	1053	58.5
0°-60°	1240	68.9
0°-90°	1240	68.9
90°-180°	0	0.0
0°-180°	1240	68.9*

*Efficiency

ρf	80%		20%		50%	
ρc	50%	30%	50%	30%	50%	30%
ρw						
1	77	75	75	74	72	71
2	72	69	71	68	68	66
3	67	64	66	63	64	62
4	63	59	62	59	61	58
5	59	55	58	54	57	54
6	55	51	54	51	53	50
7	51	47	51	47	50	46
8	48	43	47	43	46	43
9	44	40	44	40	43	39
10	41	37	41	37	40	36

Mount height	Initial fc at beam center	50% beam angle 60.3° Beam diameter	50% beam angle 60.3° fc at beam edge	10% beam angle 89.2° Beam diameter	10% beam angle 89.2° fc at beam edge
8'	29.5	6.4'	14.8	10.8'	3.0
10'	15.9	8.7'	7.9	14.8'	1.6
12'	9.9	11.0'	5.0	18.7'	1.0
14'	6.8	13.3'	3.4	22.7'	0.7
16'	4.9	15.7'	2.5	26.6'	0.5

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



From 0°	cp.	Lumens
0°	1186	
5°	1260	119
15°	1166	327
25°	909	420
35°	658	409
45°	260	201
55°	6	9
65°	0	1
75°	0	1
85°	0	1
90°	0	

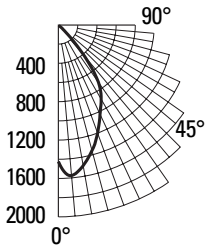
Zone	Lumens	%lamp
0°-30°	864	36.0
0°-40°	1272	53.0
0°-60°	1481	61.7
0°-90°	1482	61.8
90°-180°	0	0.0
0°-180°	1482	61.8*

*Efficiency

ρf	80%		20%		50%	
ρc	50%	30%	50%	30%	50%	30%
ρw						
1	69	67	68	66	65	64
2	65	62	63	61	61	60
3	60	58	60	57	58	56
4	57	54	56	53	55	52
5	53	50	53	49	52	49
6	50	46	50	46	49	46
7	47	43	46	43	45	42
8	44	40	43	40	43	39
9	41	37	40	37	40	37
10	38	34	38	34	37	34

Mount height	Initial fc at beam center	50% beam angle 55.0° Beam diameter	50% beam angle 55.0° fc at beam edge	10% beam angle 87.9° Beam diameter	10% beam angle 87.9° fc at beam edge
8'	39.2	5.7'	19.6	10.6'	3.9
10'	21.1	7.8'	10.5	14.5'	2.1
12'	13.1	9.9'	6.6	18.3'	1.3
14'	9.0	12.0'	4.5	22.2'	0.9
16'	6.5	14.1'	3.3	26.0'	0.7

CFV9 42TRT 8AR, (1) PL-T 42W/30/4P lamp, 0.9 s/mh, 3200 rated lumens, test no. 2196072902



From 0°	cp.	Lumens
0°	1422	
5°	1574	145
15°	1355	382
25°	1028	477
35°	727	448
45°	145	153
55°	1	2
65°	0	1
75°	0	1
85°	0	1
90°	0	

Zone	Lumens	%lamp
0°-30°	1003	31.4
0°-40°	1450	45.3
0°-60°	1604	50.2
0°-90°	1604	50.2
90°-180°	0	0.0
0°-180°	1604	50.2*

*Efficiency

ρf	80%		20%		50%	
ρc	50%	30%	50%	30%	50%	30%
ρw						
1	56	55	55	54	53	52
2	53	51	52	50	50	49
3	50	47	49	47	48	46
4	47	44	46	44	45	43
5	44	41	44	41	43	41
6	42	39	41	39	40	38
7	39	36	39	36	38	36
8	37	34	36	34	36	33
9	34	32	34	31	34	31
10	32	29	32	29	32	29

Mount height	Initial fc at beam center	50% beam angle 53.0° Beam diameter	50% beam angle 53.0° fc at beam edge	10% beam angle 84.5° Beam diameter	10% beam angle 84.5° fc at beam edge
8'	47.0	5.5'	23.5	10.0'	4.7
10'	25.3	7.5'	12.6	13.6'	2.5
12'	15.8	9.5'	7.9	17.2'	1.6
14'	10.8	11.5'	5.4	20.9'	1.1
16'	7.8	13.5'	3.9	24.5'	0.8

NOTES:

1. For electrical characteristics consult technical data 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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