

PRODUCT SPECIFICATIONS

Optics

Reflector: Precision reflector with 50° visual cut-off to both lamp and lamp image • Single position optics eliminate possibility of specified lamp being installed in incorrect position • Low iridescent specular or satin Alzak® .050" thick reflector in clear, gold, wheat, pewter or bronze with integral flange of same finish; other finishes available upon request • Painted white flange is optional

Baffle: Specular clear Alzak® upper reflector and white or black painted deep multi-groove aluminum baffle insert with integral flange painted white

Electrical

Ballast: Class "P" thermally protected 120V-277V universal voltage high power factor electronic ballast with end of life protection

Lamp Holder: 4-pin GX24q4 UV stabilized thermoplastic socket with non-fatiguing stainless steel lamp retention spring

Socket Cap: Vented die-cast aluminum socket cup optimizes lamp performance and securely fastens to reflector with stabilizing ribs to prevent rocking

Mechanical

Mounting Frame: 16-gauge galvanized steel mounting ring with factory installed spring friction clips • Accommodates ceilings up to 3/4" thick; ceiling thickness adapter accessory is available for ceilings up to 2" • Common rough-in section accepts open, single wall wash and lensed reflectors

Mounting Bracket: Mounting brackets have 3" vertical adjustment and accept proprietary Tru-Lock bar hangers, 1 1/2" C-channel and flat linear bars (ordered as accessories) or 1/2" EMT, 3/4" and 1 1/2" lathing channel (by others) • One-piece Tru-Lock bar hangers have integral T-bar locking screws and alignment notches for locating and locking fixture in the center or 1/4 tile increments

Junction Box: Ballast mounted to J-box cover for optimal heat dissipation and serviceability from below the ceiling • Oversized 4"x 6" galvanized steel junction box with (6) 1/2" and (1) 3/4" knockouts facilitate quick wiring • Junction box rated for eight No. 12 AWG 90°C branch circuit conductors (4-in, 4-out)

Labels and Listings

UL/C-UL listed for feed through and damp locations • I.B.E.W. Union made

Product specifications subject to change without notice.

ENGINEERING DATA

Voltage	120V-HPF	277V-HPF	347V-HPF Canada
Lamp Wattage	42W	42W	42W
Total input power	46W	46W	50W
Operating AMPS	0.38	0.17	0.15
Ballast factor	0.98	0.98	1.00

8" VERTICAL CFL DOWNLIGHT

OPEN APERTURE

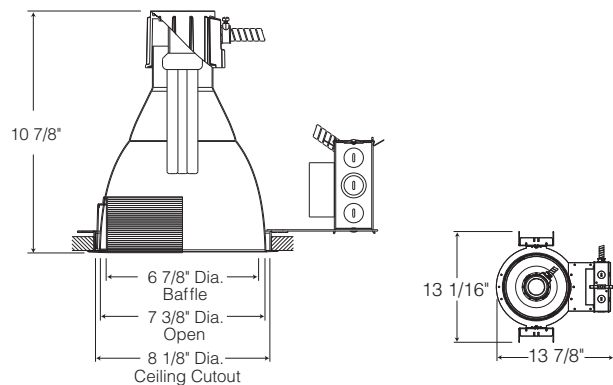
One 42W Triple Tube

C8V-126/42T

C800-42, C800W-42, C800B-42

Type	Cat. No.
_____	_____
_____	_____
Project: _____	
Notes: _____	

DIMENSIONS



ORDERING INFORMATION: Rough-in, reflector and accessories each ordered separately.

Example: C8V-126/42T-BR			Example: C800W-42-CL				Example: HB-TL	
Rough-In	Wattage/Lamp	Options	Reflector	Color Options	Finish	Options	Accessories	
C8V-	126/42T-							
C8V	126/42T 1x42W Triple, 4-pin	347 347 Volt BR Emergency Battery Back-up w/Remote Switch BN Emergency Battery Back-up w/Integral Test Switch HR High-Lumen Emergency Battery Back-up with Remote Switch HN High-Lumen Emergency Battery Back-up with Integral Test Switch D10 ¹ Dimming Ballast Advance Mark 10™ D7 Dimming Ballast Advance Mark 7™ DL ^{1,2} Dimming Ballast Lutron Compact SE **F Fuse and Fuse Holder (Where *** = voltage) CP Chicago Plenum NV Non-vented Socket Cup	C800-42 Open Reflector, Narrow C800W-42 Open Reflector, Wide C800B-42 Baffle	C Clear G Gold WT Wheat PT Pewter BZ Bronze B Black W White	Low Iridescent Alzak® Finishes: L Specular S Satin Blank for baffle & white	WH White Flange BN Hole for emergency test switch	HB-TL 25" Tru-Lock grid ceiling bar hangers, Pair HB-52 52" C-Channel Bar Hangers, Pair HB-28 28" C-Channel Bar Hangers, Pair LB-27 27" Linear Bar Hangers, Pair HB-4 Bar Hanger conversion kit for wooden joists SCA8- * Sloped Ceiling Adapter *Angle must be specified when ordering; Available in 5°, 10°, 15°, 20°, 25°, 30° Example: SCA8-20	

¹ Add a -1 for 120V, a -2 for 277V
² Lutron Dimming Ballast is wattage specific.
42W/120V = C8V-142T-DL-1
42W/277V = C8V-142T-DL-2



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**OPEN REFLECTOR
(42W TRIPLE TUBE)**

Catalog Number: C8V-126/42T (C800-42-CL)

PHOTOMETRIC REPORT

Test Number: PRO5062202

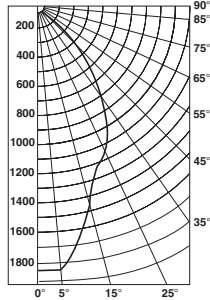
Total Luminaire Efficiency: 60.2%

Luminaire Spacing Criteria: 0.85

Luminaire: Clear specular Alzak® reflector. Open bottom.

Lamps: One CF42D1/E/841, rated at 3200 lumens.

CIE-Type: Direct



Candlepower Distribution (Candelas)

Angle	Candela	Lumens
0°	1856	
5°	1848	176
15°	1426	404
25°	1120	519
35°	784	493
45°	426	330
55°	5	4
65°	0	0
75°	0	0
85°	0	0

Initial Footcandles

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter
6'	51.5	16.1	7.3'
7'	37.9	11.8	8.5'
8'	29.0	9.0	9.7'
9'	22.9	7.1	11.0'
10'	18.6	5.8	12.2'
11'	15.3	4.8	13.4'
12'	12.9	4.0	14.6'
13'	11.0	3.4	15.8'
14'	9.5	3.0	17.0'
15'	8.2	2.6	18.3'

Luminaire Data

Ang in Deg	Footlamberts	Candela/M ²
45	6167	21131
55	88	303
65	0	0
75	0	0
85	0	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30°	1099	34.4	57.1
0-40°	1592	49.7	82.6
0-60°	1926	60.2	100.0
0-90°	1926	60.2	100.0
90-180°	0	0.0	0.0
0-180°	1926	60.2	100.0

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	84	67	50
6' x 6'	59	46	35
7' x 7'	43	34	25
8' x 8'	33	26	20
9' x 9'	26	21	15
10' x 10'	21	17	12
11' x 11'	17	14	10
12' x 12'	15	12	9

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80		70		50		30		10		0							
	PW	70	50	30	10	70	50	30	10	50	30	10	0					
0	72	72	72	72	70	70	70	67	67	67	64	64	64	61	61	61	60	
1	68	66	65	63	67	65	64	62	63	61	60	60	59	59	58	58	57	56
2	64	61	59	56	63	60	58	56	58	56	55	56	55	53	55	53	52	51
3	61	57	53	51	60	56	53	50	54	52	50	53	51	49	51	50	48	47
4	57	52	49	46	56	52	48	46	50	47	45	49	47	45	48	46	44	43
5	54	49	45	42	53	48	44	42	47	44	41	46	43	41	45	43	41	40
6	51	45	41	38	50	45	41	38	44	40	38	43	40	38	42	39	37	37
7	48	42	38	35	47	42	38	35	41	37	35	40	37	35	39	37	35	34
8	45	39	35	33	45	39	35	33	38	35	32	38	34	32	37	34	32	31
9	43	37	33	30	42	36	33	30	36	32	30	35	32	30	35	32	30	29
10	41	34	31	28	40	34	31	28	34	30	28	33	30	28	33	30	28	27

**OPEN BAFFLE
(42W TRIPLE TUBE)**

Catalog Number: C8V-126/42T (C800B-42-B)

PHOTOMETRIC REPORT

Test Number: PRO5061201

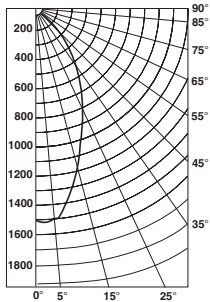
Total Luminaire Efficiency: 40.8%

Luminaire Spacing Criteria: 0.72

Luminaire: Clear specular Alzak® upper reflector with black baffle lower cone. Open bottom.

Lamps: One OS1 CF42D1/E/840, rated at 3200 lumens.

CIE-Type: Direct



Candlepower Distribution (Candelas)

Angle	Candela	Lumens
0°	1481	
5°	1479	141
15°	1134	321
25°	796	368
35°	473	297
45°	225	174
55°	3	2
65°	0	0
75°	0	0
85°	0	0

Initial Footcandles

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter
6'	52.1	20.2	5.4'
7'	38.3	14.8	6.3'
8'	29.3	11.4	7.2'
9'	23.2	9.0	8.0'
10'	18.8	7.3	8.9'
11'	15.5	6.0	9.8'
12'	13.0	5.1	10.7'
13'	11.1	4.3	11.6'
14'	9.6	3.7	12.5'
15'	8.3	3.2	13.4'

Luminaire Data

Ang in Deg	Footlamberts	Candela/M ²
45	3923	13440
55	79	271
65	22	75
75	0	0
85	0	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30°	831	26.0	63.7
0-40°	1128	35.2	86.4
0-60°	1305	40.8	100.0
0-90°	1305	40.8	100.0
90-180°	0	0.0	0.0
0-180°	1305	40.8	100.0

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	69	55	42
6' x 6'	48	38	29
7' x 7'	35	28	22
8' x 8'	27	22	17
9' x 9'	21	17	13
10' x 10'	17	14	11
11' x 11'	14	11	9
12' x 12'	12	10	7

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80		70		50		30		10		0						
	PW	70	50	30	10	70	50	30	10	50	30	10	0				
0	59	59	59	59	57	57	57	55	55	55	52	52	52	50	50	50	49
1	56	54	53	52	55	53	52	51	51	50	50	49	48	48	47	47	46
2	53	50	48	47	52	50	48	46	48	46	45	47	45	44	45	44	43
3	50	47	44	42	49	46	44	42	45	43	41	44	42	41	42	41	40
4	47	43	41	38	46	43	40	38	42	40	38	41	39	37	40	38	37
5	45	41	37	35	44	40	37	35	39	37	35	38	36	34	38	36	34
6	42	38	35	33	42	37	35	32	37	34	32	36	34	32	35	33	32
7	40	35	32	30	39	35	32	30	34	32	30	34	31	30	33	31	30
8	38	33	30	28	37	33	30	28	32	30	28	32	29	28	31	29	28
9	36	31	28	26	36	31	28	26	30	28	26	30	28	26	30	27	26
10	34	29	26	24	34	29	26	24	29	26	24	28	26	24	28	26	24



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