

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 diffuse 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 GX24q3 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 steel 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 • BRT20C option is CEC Title 20 compliant
 Specifications subject to change without notice.

ENGINEERING DATA

Voltage	120V-HPF		277V-HPF		347V-HPF Canada	
Lamp Wattage	26W	32W	26W	32W	26W	32W
Total input power	27W	36W	27W	36W	31W	36W
Operating AMPS	0.23	0.31	0.10	0.13	0.09	0.11
Ballast factor	1.00	0.98	1.00	0.98	1.02	0.98

ORDERING INFORMATION: Complete Catalog # Example Includes (Rough-In, option, reflector, accessory): C6VT 126/42T 120 NDB BR OR CS PF HBT

ROUGH-IN				REFLECTOR*			
SERIES	WATTAGE/LAMP	VOLTAGE	DRIVER	ROUGH-IN OPTIONS	TRIM STYLE	FINISH	TRIM OPTIONS
C6VT							
C6VT 6" Vertical CFL Triple Tube Downlight	126/42T 1x26W, 32W or 42W Triple, 4-Pin	120 120 Volt 277 277 Volt 347 347 Volt MVOLT Multi-Volt (120-277 Volt)	¹ D10 Dimming Ballast Advance Mark 10 D7 Dimming Ballast Advance Mark 7 NDB Non-Dimming Electronic Ballast	AF Fuse and Fuse Holder CP Chicago Plenum BN Emergency Battery Back-Up w/ Integral Test Switch BR Emergency Battery Pack w/Remote Test Switch BRT20C Emergency Battery Pack w/ Remote Test Switch, CEC Title 20 Compliant HBN High-Lumen Emergency Battery Back-Up w/ Integral Test Switch HBR High Lumen Emergency Battery Pack w/Remote Test Switch NV Non-Vented Socket Cup	BAF Baffle OR Open Reflector	CD Clear Diffuse CS Clear Specular BD Black Diffuse BL Black Baffle BS Black Specular BZD Bronze Diffuse BZS Bronze Specular GD Gold Diffuse GS Gold Specular PTD Pewter Diffuse PTS Pewter Specular WH White WTD Wheat Diffuse WTS Wheat Specular	PF White Flange (Not required when specifying WH finish) ETSH Emergency Test Switch Hole MAX26 Label for 26W Maximum Wattage MAX32 Label for 32W Maximum Wattage

¹ 120 and 277 Volt only

* Specify required voltage, does not accept MVOLT

* To order reflector separately, use series and reflector option values. Ex: C6VT OR CS PF

ACCESSORIES

ACCESSORY OPTIONS

HB4 Bar Hanger Conversion Kit for Wooden Joists	INSA6/05 6" Sloped Ceiling Adapter, 5 Degree Angle
HB28 28" C-Channel Bar Hangers, Pair	INSA6/10 6" Sloped Ceiling Adapter, 10 Degree Angle
HB52 52" C-Channel Bar Hangers, Pair	INSA6/15 6" Sloped Ceiling Adapter, 15 Degree Angle
HBT 25" Tru-Lock Grid Ceiling Bar Hangers, Pair	INSA6/20 6" Sloped Ceiling Adapter, 20 Degree Angle
LB27 27" Linear Bar Hangers, Pair	INSA6/25 6" Sloped Ceiling Adapter, 25 Degree Angle
	INSA6/30 6" Sloped Ceiling Adapter, 30 Degree Angle

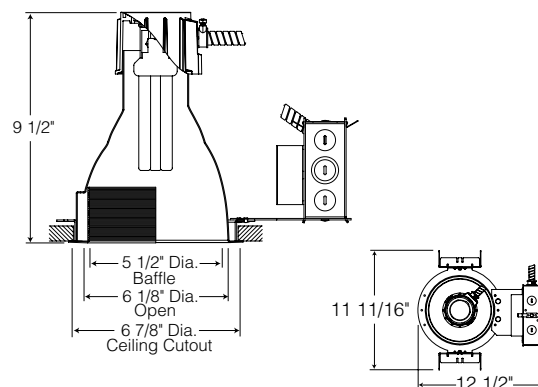
6" VERTICAL CFL DOWNLIGHT OPEN APERTURE

One 26W or 32W Triple Tube

C6VT OR, C6VT BAF

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

DIMENSIONS



OPEN REFLECTOR (32W TRIPLE TUBE)

Catalog Number: C6VT 126/42T MVOLT NDB (OR CS)

PHOTOMETRIC REPORT

Test Number: PRO3060601

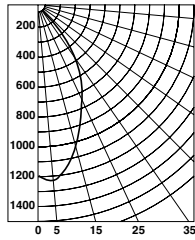
Total Luminaire Efficiency: 50.1%

Luminaire Spacing Criteria: 0.87

Luminaire: Clear specular Alzak® reflector. Open bottom.

Lamps: One OSI CF32DT/E/IN/830, rated at 2450 lumens.

CIE-Type: Direct



Candlepower Distribution

Angle	Candela	Lumens
0°	1188	
5°	1223	117
15°	999	283
25°	722	334
35°	496	311
45°	198	153
55°	3	2
65°	0	0
75°	2	2
85°	0	0

Initial Footcandles

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter
6'	33.0	10.9	7.0'
7'	24.2	8.0	8.2'
8'	18.6	6.2	9.3'
9'	14.7	4.9	10.5'
10'	11.9	3.9	11.7'
11'	9.8	3.3	12.8'
12'	8.3	2.7	14.0'
13'	7.0	2.3	15.2'
14'	6.1	2.0	16.3'
15'	5.3	1.8	17.5'

Luminaire Data

Ang in Deg	Footlamberts	Candela/M ²
45	4477	15341
55	71	244
65	0	0
75	137	469
85	0	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30°	734	30.6	61.0
0-40°	1046	43.6	86.9
0-60°	1201	50.0	99.8
0-90°	1203	50.1	100.0
90-180°	0	0.0	0.0
0-180°	1203	50.1	100.0

AVERAGE INITIAL FOOTCANDLES

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

Luminaire Spacing	RCR1	RCR4	RCR8
5' x 5'	53	42	33
6' x 6'	37	29	23
7' x 7'	27	22	17
8' x 8'	21	17	13
9' x 9'	16	13	10
10' x 10'	13	11	8
11' x 11'	11	9	7
12' x 12'	9	7	6

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	50	30	10	0			
0	60	60	60	60	58	58	58	58	56	56	56	53	53	53	51	51	51	50
1	57	55	54	53	56	54	53	52	52	51	50	50	50	49	49	48	48	47
2	54	51	49	47	53	50	48	47	49	47	46	47	46	45	46	45	44	43
3	51	48	45	43	50	47	44	42	45	43	42	44	43	41	43	42	40	40
4	48	44	41	39	47	44	41	39	42	40	38	41	39	38	40	39	37	37
5	45	41	38	36	45	41	38	36	40	37	35	39	37	35	38	36	35	34
6	43	38	35	33	42	38	35	33	37	34	33	36	34	32	36	34	32	31
7	41	36	33	30	40	35	32	30	35	32	30	34	32	30	34	31	30	29
8	39	34	30	28	38	33	30	28	33	30	28	32	30	28	32	29	28	27
9	37	31	28	26	36	31	28	26	31	28	26	30	28	26	30	28	26	25
10	35	30	27	24	34	29	26	24	29	26	24	29	26	24	28	26	24	24

OPEN BAFFLE (32W TRIPLE TUBE)

Catalog Number: C6VT 126/42T MVOLT NDB (BAF BL)

PHOTOMETRIC REPORT

Test Number: PRO5060901

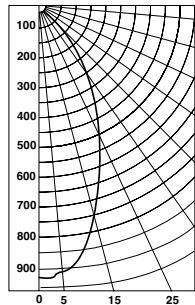
Total Luminaire Efficiency: 34.4%

Luminaire Spacing Criteria: 0.82

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

Lamps: One OSI CF32DT/E/IN/830, rated at 2400 lumens.

CIE-Type: Direct



Candlepower Distribution

Angle	Candela	Lumens
0°	932	
5°	925	88
15°	758	215
25°	519	240
35°	311	195
45°	101	78
55°	2	2
65°	0	0
75°	3	3
85°	3	4

Initial Footcandles

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter
6'	25.9	9.2	6.2'
7'	19.0	6.8	7.2'
8'	14.6	5.2	8.3'
9'	11.5	4.1	9.3'
10'	9.3	3.3	10.3'
11'	7.7	2.7	11.4'
12'	6.5	2.3	12.4'
13'	5.5	2.0	13.5'
14'	4.8	1.7	14.5'
15'	4.1	1.5	15.5'

Luminaire Data

Ang in Deg	Footlamberts	Candela/M ²
45	2280	7813
55	60	206
65	0	0
75	165	566
85	642	2200

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30°	544	22.6	65.8
0-40°	739	30.8	89.5
0-60°	819	34.1	99.2
0-90°	826	34.4	100.0
90-180°	0	0.0	0.0
0-180°	826	34.4	100.0

AVERAGE INITIAL FOOTCANDLES

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

Luminaire Spacing	RCR1	RCR4	RCR8
5' x 5'	36	30	23
6' x 6'	25	21	16
7' x 7'	19	15	12
8' x 8'	14	12	9
9' x 9'	11	9	7
10' x 10'	9	7	6
11' x 11'	8	6	5
12' x 12'	6	5	4

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	50	30	10	50	30	10	0			
0	41	41	41	41	40	40	40	40	38	38	38	37	37	37	35	35	35	34			
1	39	38	37	36	38	37	36	36	36	35	35	35	34	34	33	33	33	32			
2	37	35	34	33	36	35	33	32	34	32	32	32	32	31	32	31	30	30			
3	35	33	31	30	34	32	31	29	31	30	29	31	29	28	30	29	28	27			
4	33	31	29	27	33	30	28	27	29	28	27	29	27	26	28	27	26	25			
5	31	29	26	25	31	28	26	25	28	26	25	27	26	24	26	25	24	24			
6	30	27	25	23	29	26	24	23	26	24	23	25	24	23	25	24	23	22			
7	28	25	23	21	28	25	23	21	24	23	21	24	22	21	24	22	21	21			
8	27	24	21	20	26	23	21	20	23	21	20	23	21	20	22	21	20	19			
9	26	22	20	19	25	22	20	19	22	20	19	21	20	19	21	20	18	18			
10	24	21	19	18	24	21	19	18	21	19	17	20	19	17	20	18	17	17			

OPEN REFLECTOR (26W TRIPLE TUBE)

Catalog Number: C6VT 126/42T MVOLT NDB (OR CS)

PHOTOMETRIC REPORT

Test Number: PRO3060101

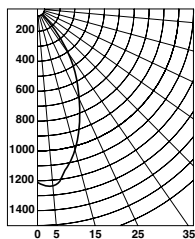
Total Luminaire Efficiency: 58.9%

Luminaire Spacing Criteria: 0.84

Luminaire: Clear specular Alzak® reflector. Open bottom.

Lamps: One OSI CF26DT/E/IN/830, rated at 1800 lumens.

CIE-Type: Direct



Candlepower Distribution

Angle	Candela	Lumens
0°	1212	
5°	1226	117
15°	1019	289
25°	690	320
35°	371	233
45°	132	102
55°	0	0
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'	33.7	11.9	6.2'
7'	24.7	8.8	7.3'
8'	18.9	6.7	8.3'
9'	15.0	5.3	9.4'
10'	12.1	4.3	10.4'
11'	10.0	3.6	11.4'
12'	8.4	3.0	12.5'
13'	7.2	2.5	13.5'
14'	6.2	2.2	14.6'
15'	5.4	1.9	15.6'

Luminaire Data

Ang in Deg	Footlamberts	Candela/M ²
45	2989	10240
55	0	0
65	0	0
75	0	0
85	0	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30°	725	40.3	68.4
0-40°	959	53.3	90.4
0-60°	1061	58.9	100.0
0-90°	1061	58.9	100.0
90-180°	0	0.00	0.00
0-180°	1061	58.9	100.0

AVERAGE INITIAL FOOTCANDLES

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

Luminaire Spacing	RCR1	RCR4	RCR8
5' x 5'	47	38	30
6' x 6'	33	27	21
7' x 7'	24	19	15
8' x 8'	18	15	12
9' x 9'	14	12	9
10' x 10'	12	10	7
11' x 11'	10	8	6
12' x 12'	8	7	5

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	50	30	10	50	30	10	0			
0	70	70	70	70	69	69	69	69	65	65	65	63	63	63	60	60	60	59			
1	67	65	64	63	65	64	63	62	62	61	60	59	59	58	57	57	56	55			
2	64	61	58	56	62	60	58	56	58	56	55	56	55	53	54	53	52	51			
3	60	57	54	51	59	56	53	51	54	52	50	53	51	49	51	50	49	48			
4	57	53	50	47	56	52	49	47	51	48	46	50	48	46	49	47	45	44			
5	54	49	46	43	53	49	46	43	48	45	43	47	44	42	46	44	42	41			
6	52	46	43	40	51	46	43	40	45	42	40	44	42	40	43	41	39	38			
7	49	44	40	37	48	43	40	37	42	39	37	42	39	37	41	39	37	36			
8	47	41	37	35	46	41	37	35	40	37	35	39	37	35	39	36	34	34			
9	44	39	35	33	44	38	35	33	38	35	33	37	34	32	37	34	32	32			
10	42	37	33	31	42	36	33	31	36	33	31	35	33	31	35	32	30	30			