

## DESCRIPTION

Low brightness 6-inch aperture Surface cylinder for use with a 26W or 32W Triple Twin Tube 4-pin compact fluorescent lamp. Adjustable and locking socket position allows reflectors with different distributions to be used within the same housing for a variety of lighting effects. Standard features include low iridescent finish on all reflectors, electronic ballast and venting to ensure maximum lamp life and lumen output. Optics offer unparalleled performance with glare free downlighting.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Reflector

Available in a variety of Alzak® finishes. .050 thick aluminum, in a one piece spun macrofocal parabolic contour. Also available with white or black baffle. Positive reflector mounting pulls trim tight to housing.

### Housing

Round seamless aluminum with crisply detailed edges. Choice of finish in white, matte black or bronze. Other finish options available upon request. Installs to canopy via keyhole slots for positive mounting.

### Mounting

Mounting canopy installs to recessed junction box (by others). All hardware and brackets are galvanized or plated.

### Socket

4-pin GX24q3 base with fatigue free stainless steel lamp spring ensures positive lamp retention. Socket plate adjusts and locks into position without tools to accommodate various lamps and reflectors.

### Electronic Ballast

Electronic ballast provides full light output and rated lamp life. Provides flicker free and noise free operation and starting.

### Labels

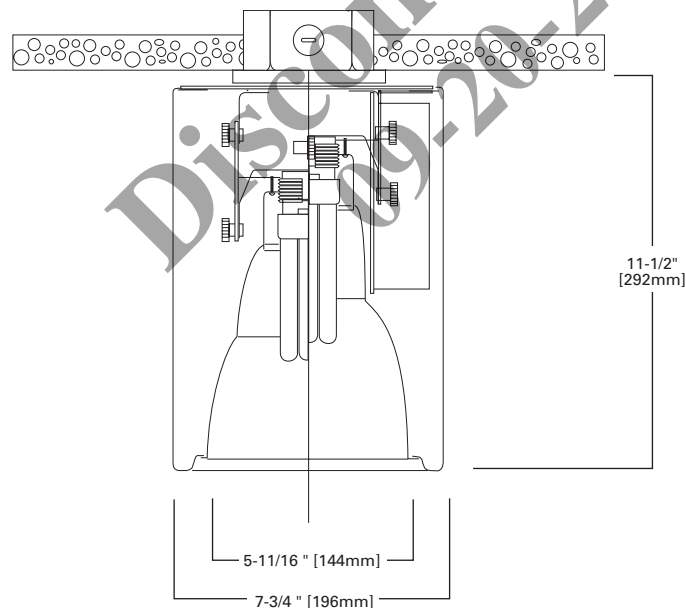
cULus listed, C.S.A. certified, standard damp label.



**C16032**  
**6000/50**  
**6010/20/30**

**26W, 32W TTT or PLT**  
**Compact Fluorescent**

**6-Inch Surface Cylinder**



ENERGY DATA	
26W TTT 4-pin	
Ballast: Electronic	
120V Input Watts: 29	Line Amps: 0.25
277V Input Watts: 26	Line Amps: 0.09
Power Factor: >0.99	THD: <90%
Min. Starting Temperature: -10°C (15°F)	
Sound Rating: Class A Standards	

32W TTT 4-pin	
Ballast: Electronic	
120V Input Watts: 34.5	Line Amps: 0.30
277V Input Watts: 34.5	Line Amps: 0.13
Power Factor: >0.99	THD: <10%
Min. Starting Temperature: -10°C (15°F)	
Sound Rating: Class A Standards	

**NOTES:** Accessories should be ordered separately. For additional options, please consult your Cooper Lighting Solutions Representative. Alzak is a registered trademark of Aluminum Company of America.

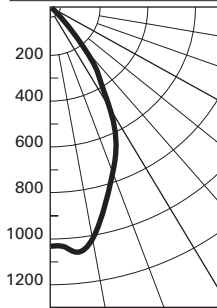
**ORDERING INFORMATION**

EXAMPLE: C16032EBZ 0050LI

Housing	Wattage	Ballast	Housing Finish	Trims	Finish	Accessories
C160=6" Cylinder	32=(1) 26W or 32W TTT or PLT Lamp	E=120/277V 50/60 Hz Electronic 3E=347V 50/60 Hz Electronic D26/32=26 or 32W 120-277V Lutron EcoSystem Dimming EDR26=DeRated Wattage Label, 26W	P=White BZ=Bronze MB=Matte Black	6000=Med Beam Reflector 6050=WD Beam Surface Trim 6010=Single WW Surface Trim 6020=Double WW Surface Trim 6030=Corner WW Surface Trim	LI=Low Iridescent Clear H=Haze WMH=Warm Haze G=Gold WH=Wheat W=Gloss White GP=Graphite GPH=Graphite Haze BB=Black Baffle (6000 only) WB=White Baffle (6000 only)	C836P=White Pendant Kit for CF Cylinder C836BZ=Bronze Pendant Kit for CF Cylinder C836MB=Black Pendant Kit for CF Cylinder

**PHOTOMETRICS**

**Candlepower Distribution**



Test No. H22183  
**C16032-6000LI**  
**Medium Beam Open Reflector**  
 Lamp=26W TTT  
 Lumens=1800  
 Spacing Criterion=0.8  
 Efficiency=45.7%

**Candlepower**

Deg.	CD
0	1005
5	1016
15	832
25	545
35	318
45	39
55	0
65	0
75	0
85	0
90	0

**Average Luminance**

Deg.	CD/SQ M
45	3361
55	0
65	0
75	0
85	0

**Cone of Light**

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
4'6"	50	3'6"
5'6"	33	4'6"
6'6"	24	5'6"
8'0"	16	6'0"
10'0"	10	8'0"
12'0"	7	9'6"

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.

Footcandle values are initial, apply appropriate light loss factors where necessary.

**Reflector Multiplier**

Haze=.95  
 Straw=.9  
 Wheat=.9

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Luminaire
0-30	578	32.1	70.3
0-40	771	42.8	93.7
0-60	822	45.7	100.0
0-90	822	45.7	100.0
90-180	0	0.0	0.0
0-180	822	45.7	100.0

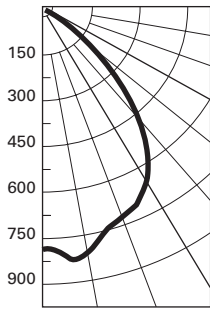
**Coefficient of Utilization**

rc	80%				70%			50%		30%		10%		0%	
	rw	70	50	30	10	50	30	10	50	10	50	10	50	10	0
RCR	0	54	54	54	54	53	53	53	51	51	49	49	47	47	46
	1	52	51	50	49	50	49	49	48	47	47	46	45	44	44
	2	50	48	47	46	48	46	45	46	44	45	43	44	42	42
	3	48	46	44	43	45	44	42	44	42	43	41	42	40	40
	4	46	44	41	40	43	41	40	42	39	41	39	40	38	38
	5	44	41	39	37	41	39	37	40	37	39	37	39	36	36
	6	43	39	37	35	39	37	35	38	35	38	35	37	35	34
	7	41	37	35	33	37	35	33	36	33	36	33	35	33	32
	8	39	35	33	31	35	33	31	35	31	34	31	34	31	30
	9	37	33	31	29	33	31	29	33	29	32	29	32	29	28
	10	36	32	29	28	31	29	28	31	28	31	27	30	27	27

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio  
 CU Data Based on 20% Effective Floor Cavity Reflectance.

**PHOTOMETRICS**

**Candlepower Distribution**



Test No. H22186  
**C16032-6050LI**  
**Wide Beam Reflector**  
 Lamp=32 TTT  
 Lumens=2400  
 Spacing  
 Criterion=1.2  
 Efficiency=54.0%

**Candlepower**

Deg.	CD
0	783
5	796
15	741
25	676
35	550
45	338
55	104
65	0
75	0
85	0
90	0

**Average Luminance**

Deg.	CD/SQ M
45	29109
55	11070
65	562
75	0
85	0

**Cone of Light**

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
5'6"	26	6'6"
6'6"	19	7'6"
8'0"	12	9'6"
10'0"	8	12'0"
12'0"	5	14'0"
14'0"	4	16'5"

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.

Footcandle values are initial, apply appropriate light loss factors where necessary.

**Reflector Multiplier**

Haze=.95  
 Straw=.9  
 Wheat=.9

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Luminaire
0-30	598	24.9	46.2
0-40	940	39.2	72.6
0-60	1291	53.8	99.6
0-90	1296	54.0	100.0
90-180	0	0.0	0.0
0-180	1296	54.0	100.0

**Coefficient of Utilization**

rc	80%				70%			50%		30%		10%		0%
	70	50	30	10	50	30	10	50	10	50	10	50	10	0
<b>RCR</b>														
<b>0</b>	64	64	64	64	63	63	63	60	60	57	57	55	55	54
<b>1</b>	61	59	58	57	58	57	56	56	54	54	52	52	51	50
<b>2</b>	58	55	53	51	54	52	50	52	49	51	48	49	47	46
<b>3</b>	55	51	48	46	50	48	45	47	45	47	44	46	43	42
<b>4</b>	52	47	44	42	47	44	41	45	41	44	40	43	40	39
<b>5</b>	48	44	40	38	43	40	38	42	37	41	37	40	37	36
<b>6</b>	46	40	37	34	40	36	34	39	34	38	34	37	33	33
<b>7</b>	42	37	33	31	37	33	31	36	30	35	30	34	30	29
<b>8</b>	40	34	30	28	34	30	28	33	28	32	27	32	27	26
<b>9</b>	37	31	27	25	31	27	25	30	25	30	25	29	25	24
<b>10</b>	35	29	25	23	28	25	23	28	22	27	22	27	22	21

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio

CU Data Based on 20% Effective Floor Cavity Reflectance.