PORTFOLIO™

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.

Catalog #		**Type**
Project		
Comments		**Date**
Prepared by		

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.

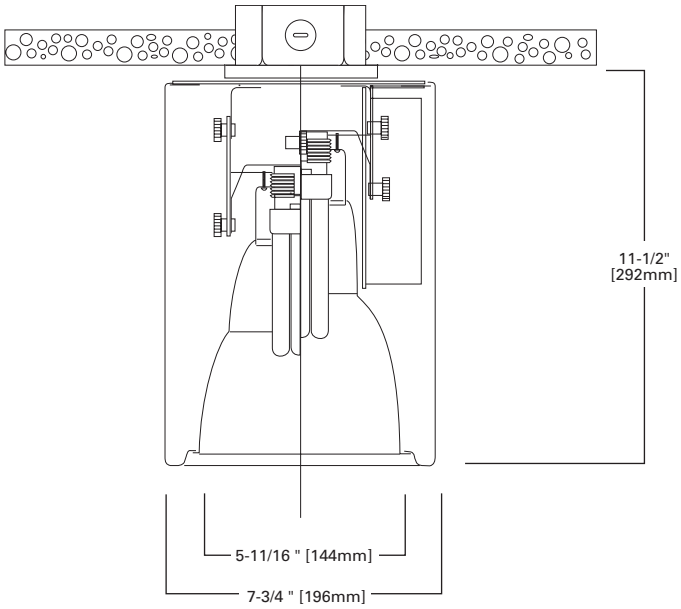
Housing
Round seamless aluminum with crisply detailed edges. Choice of finish in white, matte black or bronze. Other finish options available upon request. Installs to canopy via keyhole slots for positive mounting.

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.

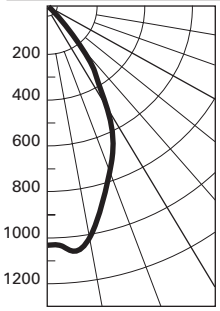
ORDERING INFORMATION

EXAMPLE: C16032EBZ 6050LI

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

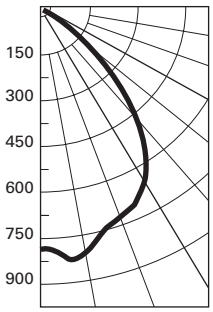
rc	80%				70%			50%		30%		10%		0%
rw	70	50	30	10	50	30	10	50	10	50	10	50	10	0
RCR														
0	54	54	54	54	53	53	53	51	51	49	49	47	47	46
1	52	51	50	49	50	49	49	48	47	47	46	45	44	44
2	50	48	47	46	48	46	45	46	44	45	43	44	42	42
3	48	46	44	43	45	44	42	44	42	43	41	42	40	40
4	46	44	41	40	43	41	40	42	39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