

DESCRIPTION

Low brightness 6" aperture reflector for use with 26W, 32W, or 42W Triple Twin Tube 4-pin compact fluorescent lamps. The precisely formed non-imaging optical reflector ensures 55° cutoff to lamp and lamp image and the one piece design eliminates light leaks at the ceiling. Standard features include low iridescent finish on all reflector colors to eliminate "rainbowing" and one electronic ballast to operate all 26W, 32W and 42W triple lamps. Venting ensures maximum lamp life and lumen output. Optics offer unparalleled performance in glare free lighting with a smooth beam devoid of hot spots. Open downlight, lens, and open wall wash reflectors are interchangeable within the same housing.

SPECIFICATION FEATURES

A ... Reflector

.050 thick aluminum, in a one piece spun parabolic contour. Available in a variety of Alzak® finishes. Also available with white or black baffle. Positive reflector mounting, without tools, pulls trim tight to ceiling.

B ... Trim Ring Options

Self flanged or molded white trim ring. Rimless or metal trim ring accessories available.

C ... Socket Connector

One piece die cast aluminum connection allows venting for maximum thermal performance.

D ... Housing Mounting Frame

One piece precision die cast aluminum 1-1/2" deep collar accommodates varying dimensions of ceiling materials.

E ... Universal Mounting Bracket

Accepts 1/2" EMT, C Channel, T bar fasteners, and bar hangers. Adjusts 5" vertically from above or below ceiling.

F ... Conduit Fittings

Die cast screw tight connectors.

G ... Junction Box

Listed for eight #12AWG (four in, four out) 90°C conductors feed through branch wiring. For 1/2" and two 3/4" pry outs.

Positioned to allow straight conduit runs. Access to junction box by removing reflector.

H ... Socket

4 pin GX24q3/4 base with fatigue free stainless steel lamp spring ensures positive lamp retention.

I ... Electronic Ballast

Electronic ballast provides full light output and rated lamp life. Provides flicker free and noise free operation and starting. End of lamp life protection is standard.

Labels

cULus listed, C.S.A. certified, standard damp label, IBEW union made.



C6142 6151/50

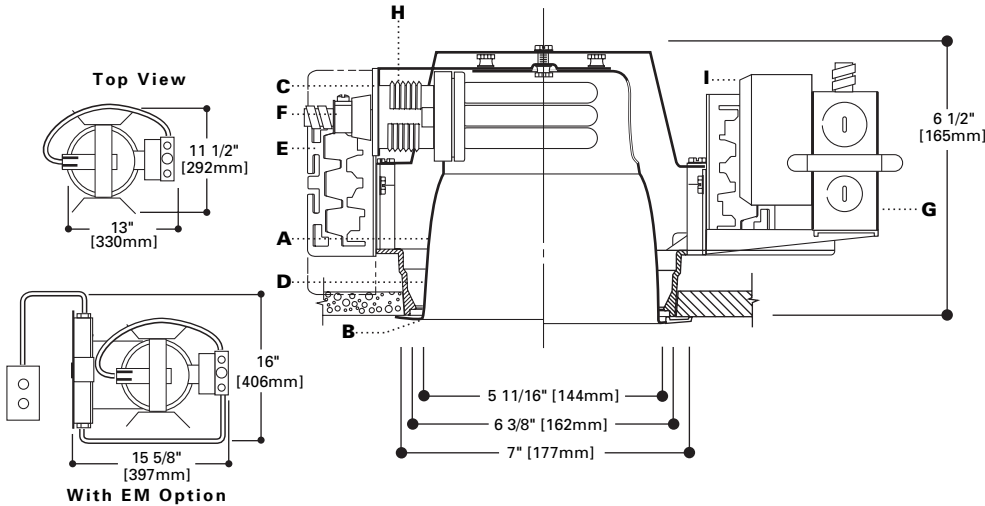
26W, 32W, 42W TTT Compact Fluorescent

6" OPEN DOWNLIGHT Energy Data

32W Triple 4-pin
Ballast: Electronic
120V Input Watts: 34.5, Line Amps: 0.30
277V Input Watts: 34.5, Line Amps: 0.13
Power Factor: >.99, THD: <10%
Min Starting Temp.: -10°C (15°F)
Sound Rating: A

32W Triple 4-pin
Ballast: Dimming
120V Input Watts: 39, Line Amps: 0.33
277V Input Watts: 37, Line Amps: 0.13
Power Factor: >.95, THD: <20%
Min Starting Temp.: 10°C (50°F)
Sound Rating: A

NOTES:
Accessories should be ordered separately. For additional options please consult your Cooper Lighting Representative. Alzak is a registered trademark of Aluminum Company of America. Hi-Lume is a registered trademark of Lutron Electronics Co. Inc.



ORDERING INFORMATION

Sample Number: Complete unit consists of housing, ballast and trim.

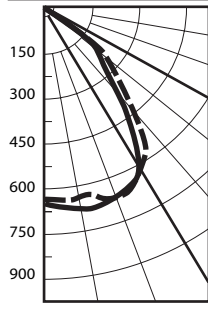
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<p>Housing C6 = 6" Horizontal Lamp</p> <p>Number of Lamps 1 = 1 Lamp</p> <p>Wattage 42 = 26W, 32W, or 42W TTT Lamp</p>	<p>Ballast E = 120/277V 50/60 Hz Electronic 3E = 347V 50/60 Hz Electronic</p> <p>1D26 = 26W 120V Dimming, Lutron Compact SE 2D26 = 26W 277V Dimming, Lutron Compact SE</p> <p>1D32 = 32W 120V Dimming, Lutron Compact SE 2D32 = 32W 277V Dimming, Lutron Compact SE</p> <p>1D42 = 42W 120V Dimming, Lutron Compact SE 2D42 = 42W 277V Dimming, Lutron Compact SE</p> <p>EDR26 = Derated label 26W EDR32 = Derated label 32W</p>	<p>Options CP = Chicago Plenum EM = Emergency Module with remote test switch IEM = Emergency Module with integral test switch</p>	<p>Trims 6151 = WD Beam Self Flanged Reflector 6150 = Reflector, Molded Trim Ring 6151E = Self Flanged Reflector use with IEM 6150E = Reflector, Molded Trim Ring use with IEM</p>	<p>Finish LI = Low Iridescent Clear H = Haze WMH = Warm Haze G = Gold WH = Wheat W = Gloss White GP = Graphite GPH = Graphite Haze K = Cognac KH = Cognac Haze BB = Black Baffle (6150 only) WB = White Baffle (6150 only)</p>	<p>Option WF = White Painted Flanged (Self Flanged only)</p>	<p>Accessories HB26 = C Channel Bar Hangers, 26" Long, Pair HB50 = C Channel Bar Hangers, 50" Long, Pair TRM6 = Metal Trim Ring, Specify Finish TRR6 = Rimless Trim Ring, White FK5 = 5 Amp Field Installable Fuse Kit 300V Max DT6 = Deco Trims RMB-22 = Wood Joist Bar Hanger, 22" Long, Pair HSA6 = Slope Adapter for 6" Aperture Housings, Specify Slope</p>
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Specifications and Dimensions subject to change without notice.

Consult your representative for additional options and finishes.

Candlepower Distribution



Test No. H22212
C6132-6150
Open Reflector
 Lamp=32W TTT
 Lumens=2400
 Spacing Criteria=
)°=1.3, 90°=1.4
 Efficiency=54.5%

— 0°
 - - - 90°

Candlepower

Deg.	CD 0°	90°
0	647	647
5	660	643
15	680	659
25	655	657
35	507	574
45	286	341
55	209	206
650	5	0
75	0	0
85	0	0
90	0	0

Average Luminance

Deg.	CD/SQ M	
	0°	90°
45	24603	29368
55	22161	21884
65	750	880
75	0	0
85	0	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
5'6"	21.0	7'6"
6'6"	15.0	9'0"
8'0"	10.0	11'0"
10'0"	6.0	14'0"
12'0"	4.0	16'6"
14'0"	3.0	19'6"

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: EM Multiplier (in emergency mode)
 Haze=.95 EM=.52
 Straw=.9
 Wheat=.9

Zonal Lumen Summary

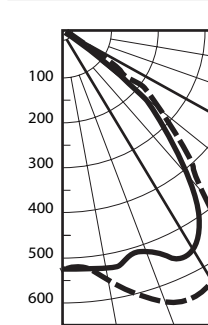
Zone	Lumens	%Lamp	%Luminaire
0-30	559	23.3	42.7
0-40	906	37.7	69.2
0-60	1301	54.2	99.4
0-90	1308	54.5	100.0
090-180	0	0.00.0	0.0
0-180	1308	54.5	100.0

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	65	65	65	65	63	63	63	61	61	58	58	56	56	54	
1	61	60	58	57	59	57	56	56	54	54	53	52	51	50	
2	58	55	53	51	54	52	50	52	49	51	48	49	47	46	
3	55	51	48	45	50	47	45	49	44	47	44	46	43	42	
4	51	47	43	41	46	43	41	45	40	44	40	43	39	38	
5	48	43	39	37	42	39	37	41	36	40	36	40	36	35	
6	45	39	36	33	39	35	33	38	33	37	32	37	32	31	
7	42	36	32	29	35	32	29	35	29	34	29	33	29	28	
8	39	33	29	26	33	29	26	31	26	31	26	25	26	25	
9	36	30	26	24	30	26	24	29	23	29	23	28	23	22	
10	34	27	24	21	27	24	21	27	21	26	21	26	21	20	

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

Candlepower Distribution



Test No. H22214
C6132-6150
Open Reflector
 Lamp=32W PLT
 Lumens=2400
 Spacing Criteria=
 0°=1.4, 90°=1.6
 Efficiency=55.9%

— 0°
 - - - 90°

Candlepower

Deg.	CD 0°	90°
0	556	356
5	555	572
15	544	664
25	593	690
35	519	632
45	335	390
55	191	210
65	5	7
75	0	0
85	0	0
90	0	0

Average Luminance

Deg.	CD/SQ M	
	0°	90°
45	28885	33582
55	20280	22320
65	779	952
75	0	0
85	0	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
5'6"	18.0	8'6"
5'6"	13.0	10'0"
8'0"	9.0	12'6"
10'0"	6.0	15'6"
12'0"	4.0	18'6"
14'0"	3.0	22'0"

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: EM Multiplier (in emergency mode)
 Haze=.95 EM=.52
 Straw=.9
 Wheat=.9

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	529	22.0	39.4
0-40	889	37.0	66.3
0-60	1333	55.5	99.4
0-90	1340	55.9	100.0
90-180	00	0.0	0.0
0-180	1340	55.9	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	66	66	66	66	65	65	65	62	62	59	59	57	57	56	
1	63	61	60	58	60	58	57	58	55	56	54	54	52	51	
2	59	56	54	52	55	53	51	53	50	52	49	50	48	47	
3	56	52	48	46	51	48	46	49	45	48	44	47	43	42	
4	52	47	44	41	47	43	41	45	40	44	40	43	39	39	
5	49	43	40	37	43	39	37	42	36	41	36	40	36	35	
6	45	40	36	33	39	35	33	38	32	37	32	37	32	31	
7	42	36	32	29	35	32	29	35	29	34	29	33	28	27	
8	39	33	29	26	32	28	26	32	26	31	25	30	25	24	
9	36	30	26	23	29	25	23	29	23	28	23	28	22	22	
10	34	27	23	20	27	23	20	26	20	26	20	25	20	19	