

DESCRIPTION

Low brightness 4 1/2-inch aperture open wall wash reflector for use with 13W Quad tube 4-pin compact fluorescent lamps. Available in single, double and corner wall wash versions. Standard features include low iridescent finish on all reflectors and venting to ensure maximum lamp life and lumen output. Optics offer unparalleled performance with uniform illuminance on wall, no flashback, and glare-free downlighting. Open downlight, lens, and open wall wash trims are interchangeable within the same housing.

SPECIFICATION FEATURES

Reflector

Full spinning Gradient Kicker provides high levels of vertical illumination, protects reflector integrity and achieves superior sealed design. Airflow travels through downlight cone neck for optimum lamp cooling. One piece spun Quiet Cone downlight reflector of .050 thick aluminum, in a variety of Alzak® finishes. Positive reflector mounting pulls self-flanged trim tight to ceiling.

Trim Ring Options

Self flanged reflector is standard. Painted white flange (WF) option is available.

Socket Cap

One piece vented and finned die cast aluminum cap for maximum thermal performance.

Housing Mounting Frame

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

Universal Mounting Bracket

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

Conduit Fittings

Die cast screw tight connectors.

Junction Box

Listed for eight #12AWG (four in, four out) 90°C conductors feed through branch wiring. 1/2" and two 3/4" pry outs. Positioned to allow straight conduit runs. Access to junction box by removing reflector.

Socket

4 pin G24q-1 base with fatigue free stainless steel lamp spring ensures positive lamp retention.

Electronic Ballasts

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

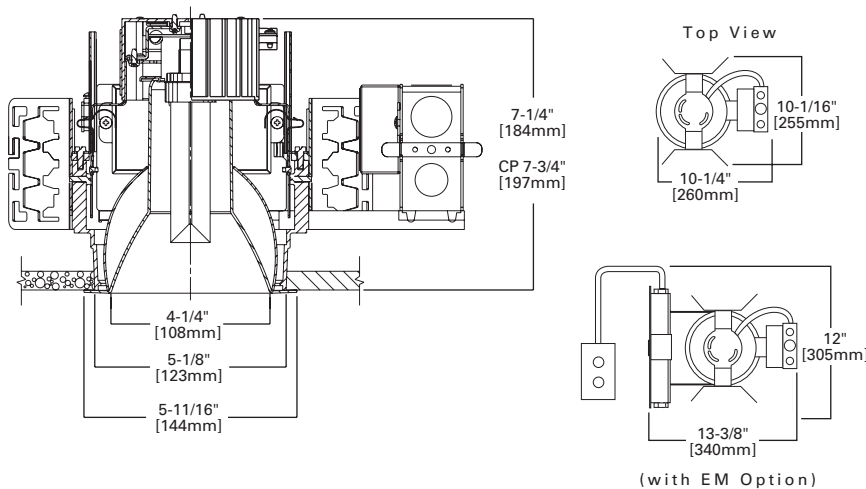
cULus listed, standard damp label.



C4013
40111
40121
40131

13W Quad
Compact Fluorescent

4-Inch Open Wall Wash



ENERGY DATA	
13W TTT 4-pin	
Ballast: Electronic	
120V Input Watts: 16	Line Amps: 0.13
277V Input Watts: 16	Line Amps: 0.06
Power Factor: >0.99	THD: <10%
Min. Starting Temperature: -10°C (15°F)	
Sound Rating: Class A Standards	

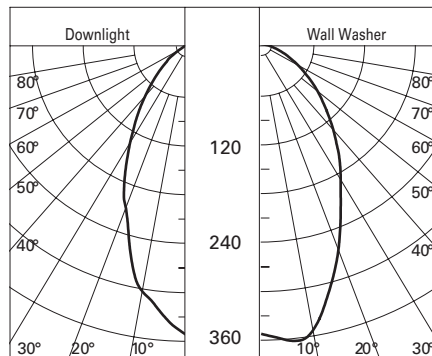
NOTES: Accessories should be ordered separately. For additional options, please consult your Cooper Lighting Representative. Alzak is a registered trademark of Aluminum Company of America.

EXAMPLE: C4013E 40111H

Housing	Wattage	Ballast	Options	Trims	Finish	Options	Accessories
C40 =4" CF Vertical	13 =(1) 13W DTT Lamp	E =120/277V 50/60 Hz Electronic 3E =347V 50/60 Hz Electronic	CP =Chicago Plenum EM =Emergency Module with Remote Test Switch	40111 =Single Wall Wash, Self Flanged 40121 =Double Wall Wash, Self Flanged 40131 =Corner Wall Wash, Self Flanged	LI =Low Iridescent Clear H =Haze WMH =Warm Haze G =Gold WH =Wheat W =Gloss White GP =Graphite GPH =Graphite Haze	WF =White painted flange (self flanged only)	HB26 =C Channel Bar Hangers, 26" Long, Pair HB50 =C Channel Bar Hangers, 50" Long, Pair FK5 =5 Amp Field Installable Fuse Kit 300V Max RMB-22 =Wood Joist Bar Hanger, 22" Long, Pair

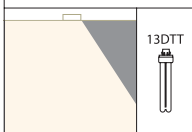
PHOTOMETRICS

Candlepower Distribution



Spacing Criterion = 90.
Efficiency = 43.7%

Test No. H21330
C4013E-40111
Lamp=13W DTT



Single Unit Foot-candles

Multiple Unit Foot-candles

	Distance from wall (single fixture)							2' from wall (spacing between fixtures)					3' from wall (spacing between fixtures)				
DD	1'	2'	3'	4'	5'	6'		2'	4'				3'	4'			
1	5	3	2	1	0	0	0	13	12	13	9	4	9	4	3	4	3
2	7	5	3	1	1	0	0	17	17	17	11	7	11	7	7	7	6
3	6	5	3	2	1	0	0	14	14	14	9	7	9	8	8	8	6
4	4	4	3	2	1	1	0	10	10	10	6	5	6	7	7	7	6
5	3	3	2	2	1	1	1	7	7	7	4	4	4	6	6	6	5
6	2	2	2	1	1	1	1	5	5	5	3	3	3	5	5	5	4
7	2	1	1	1	1	1	1	4	4	4	2	2	2	3	3	3	3
8	1	1	1	1	1	1	0	3	3	3	2	2	2	3	3	3	3
9	1	1	1	1	1	0	0	2	2	2	1	1	1	2	2	2	2
0	1	1	1	0	0	0	0	1	1	1	1	1	1	2	2	2	2

Candlepower

180° Downlight	Degree	0° Wall Washer
348	0	348
325	5	357
259	15	311
175	25	226
102	35	163
50	45	110
16	55	69
0	65	37
0	75	15
0	85	3
0	90	0

Average Luminance CD/SQM

Deg.	0° Wall Washer	180° Downlight
45	16991	7723
55	13139	3047
65	9562	0
75	6330	0
85	3760	0

Notes:

- Illuminance values for multiple fixtures are based upon the center two units of a four unit array. Footcandle values are centerline of fixtures and centered between fixtures.
- Illuminance values are cosine corrected initial values with no contribution from inter reflections from other room surfaces. Total illumination may increase from contributions from other surfaces.
- Changing fixture spacing will affect illuminance level.

$$\text{New Fc} = \frac{\text{Existing Spacing}}{\text{New Spacing}} \times \text{Average Table Fc Level}$$

- When selecting colored cones option, only downlight cone is colored; the wallwash reflector is specular clear. This allows the color (CRI,°K) of the light source to be unaffected and maximizes lumen output.

