

DESCRIPTION

Low brightness 4-1/2-inch aperture reflector for use with 18W Triple Twin Tube compact fluorescent lamps. The precisely formed non-imaging 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 venting to ensure maximum lamp life and lumen output. The fixture optics offer unparalleled performance in glare free lighting providing a smooth beam devoid of hot spots. Open downlight, lens, and open wall wash trims are interchangeable within the same housing.

SPECIFICATION FEATURES

Reflector

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

Trim Ring Options

Self flanged or molded white trim ring. Rimless or metal trim ring accessories 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 GX24q2 for C4018 fatigue free stainless steel lamp spring ensures positive lamp retention.

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

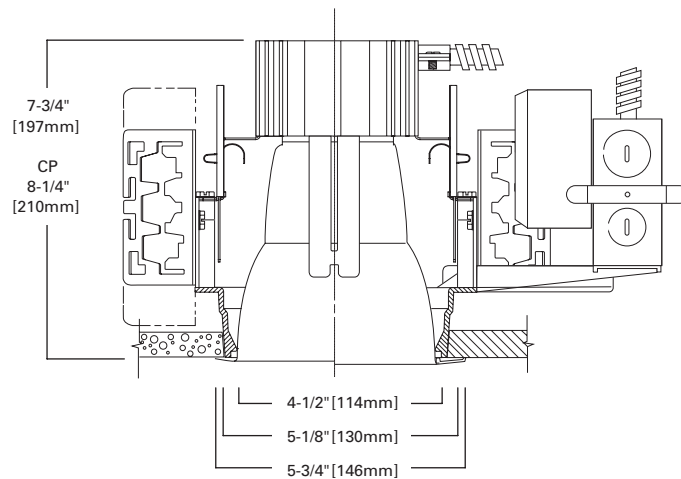
cULus listed, standard damp label.



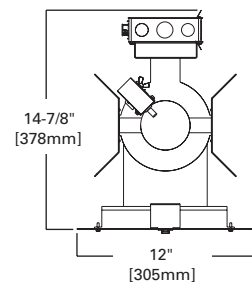
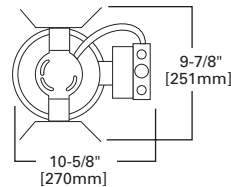
C4018 4050/4051

18W TTT
Compact Fluorescent

4-Inch Open Downlight



Top View



(with IEM Option)

ENERGY DATA	
18W TTT 4-pin	
Ballast: Electronic	
120V Input Watts: 22	Line Amps: 0.18
277V Input Watts: 22	Line Amps: 0.08
Power Factor: >0.99	THD: <10%
Min. Starting Temperature: -10°C (15°F)	
Sound Rating: Class A Standards	
Luminaire Efficacy Rating: C4013-4050LI-27.84	

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.

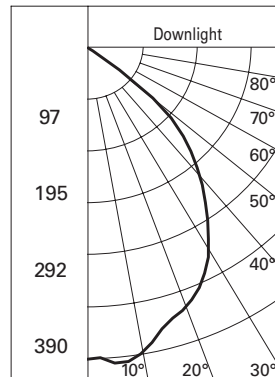
EXAMPLE: C4018E 4051H

Housing	Wattage	Ballast	Options	Trims	Finish	Options	Accessories
C40 =4" CF Vertical		E =120/277V 50/60 Hz Electronic 3E =347V 50/60 Hz Electronic D5LT =120-277V Fifth Light (DALI Dimming) D =120-277V Dimming Lutron EcoSystem/ 3-Wire Control (Factory Wired for 3-Wire) DMARKVII =18W 120-277V Advance MARK 7 1DMARKX =18W 120V Advance MARK 10 2DMARKX =18W 277V Advance MARK 10	CP =Chicago Plenum EM =Emergency Module with RemoteTest Switch IEM =Emergency Module with integral test switch	4051 =Self-Flanged 4050 =Reflector, Molded Trim Ring, White 4051E =Reflector, Self Flanged, use with IEM option 4050E =Reflector, Molded Trim Ring, White, use with IEM option	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 TRM4 =Metal Trim Ring, Specify Finish ¹ TRR4 =Rimless Trim Ring, White ¹ FK5 =5 Amp Field Installable Fuse Kit 300V Max RMB-22 =Wood Joist Bar Hanger, 22" Long, Pair HSA4 =Slope Adapter for 4" Aperture Housings, Specify Slope

Notes: ¹ Order trim with polymer trim ring
(Consult specification sheet for ordering information and options).

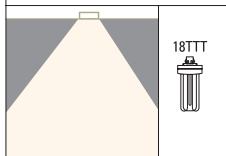
PHOTOMETRICS

Candlepower Distribution Curve



Spacing Criterion = 1.18
Efficiency = 53.3%

TestNo. H21020
C4018 4050LI
Lamp = 18WTTT



Cone of Light

Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
4'0"	24	4'6"
6'0"	11	7'0"
7'0"	8	8'0"
8'0"	6	9'6"
10'0"	4	11'6"

Coefficients of Utilization

Ceiling Wall %	80%				70%				50%	
	70	50	30	10	50	30	10		50	10
RCR	Zonal cavity method -- floor = 20%									
0	63	63	63	63	62	62	62		59	59
1	60	58	57	55	57	56	54		55	53
2	56	53	50	48	52	50	48		50	47
3	52	48	45	43	48	45	42		46	41
4	49	44	40	38	43	40	38		42	37
5	46	40	37	34	40	36	34		39	33
6	43	37	33	30	37	33	30		36	30
7	40	34	30	27	34	30	27		33	27
8	37	31	28	25	31	27	25		30	25
9	35	29	25	23	29	25	23		28	23
10	33	27	23	21	27	23	21		26	21