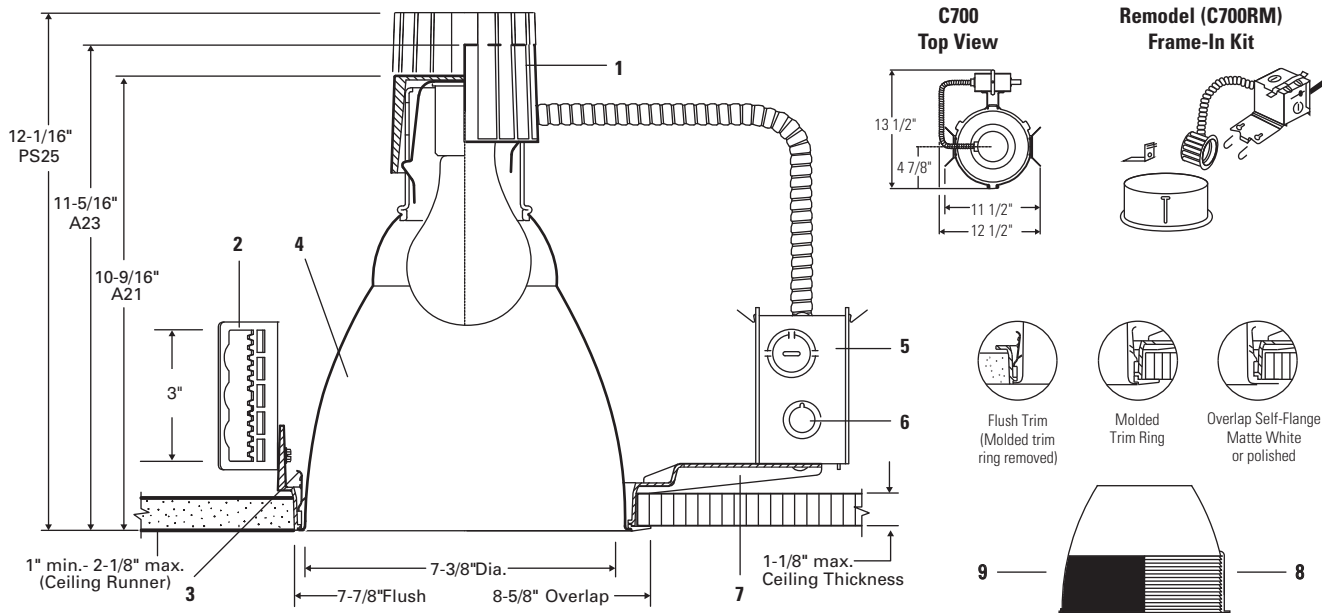




Calculite® Incandescent Open Downlight **C7055**



C700 Ceiling Cutout: 8" Dia.; C700RM Ceiling Cutout: 8" Dia.

Reflector Trims	Frame-In Kit	Lamp
C7055CLW Specular Clear finish with white flange	C700	A21 , 150W max.; A23 , 200W max.; PS25 , 300W max.
C7055CLP Specular Clear finish with polished flange	Remodeler Frame-In Kit	Lamp
C7055CL Specular Clear finish with molded trim ring (flangeless)		
C7055 Add suffix for other finishes (see options)		
	C700RM (for use in existing ceilings with 3/8" min. to 2" max. thickness.)	Same as C700

Features

- Socket Cup:** Die-cast aluminum effectively dissipates heat and assures lamps maintain proper optical alignment to reflector. Snaps onto reflector neck for easy tool-less installation. Tool-less adjustable inside or outside fixture to accommodate three different lamp sizes. Medium base porcelain socket with nickel plated screw shell wired and No 18 SF1 leads to J-Box.
- Mounting Brackets:** Adjust vertically from inside of fixture. Durable 16 ga. steel construction. Use standard 3/4" or 1 1/2" lathing channels, or 1/2" (11/16" O.D.) EMT pipe (by others) or Lightolier accessory mounting bars.
- Retaining Springs:** Precision tooled springs secure reflector to mounting frame for quick tool-less installation.
- Reflector:** 16 ga. Specular Alzak® aluminum, 45° visual cutoff to lamp and lamp image. Available with white or polished flange, or with removable white molded trim ring (field paintable).
- Junction Box:** 14 ga. steel, 4" x 3 1/2" x 2" box allows inspection from below.
- Thermal Protector:** Meets NEC and UL requirements. Insulation must be kept 3" away from fixture sides and wiring compartments and must not be placed above fixture in a manner which will entrap heat.
- Mounting Frame:** Die-cast aluminum suitable for dry or plaster ceilings. Provides flangeless trim in plaster ceiling.
- Multi-Groove Baffle (C7055MG):** One piece seamless aluminum. Sharply detailed concentric rings with "sawtooth" profile, optical black finish. Permanently fastened to specular clear reflector.
- Black Cone (C7055BK):** Specular black Alzak® aluminum. Permanently fastened to specular clear reflector.

Other Reflector Finish Options

Comfort Clear Diffuse **CCD** Specular Black **BK**
 Specular Gold **GD** Multi-Groove Baffle **MG**
 White **WH** (MG available with molded trim ring only)
 Specify desired flange
W White, **P** Polished Flange, Flangeless Leave Blank (molded trim ring)

Options & Accessories

- 18" Mounting Bars** 1950 (set of 2)
27" Mounting Bars 1951 (set of 2)
T-Bar Anchor Clips 1956 (set of 4, for 1950 & 1951 bars)
Existing Ceiling Clips 7998 (set of 2)
Sloped Ceiling Adapters 7920 (see SCA specification sheet)
Step Down Transformer 7997 (277V PFI, 120V Sec. 300W)
Chicago Air Plenum LC (add suffix to Frame-In Kit)

Electrical

C700 UL Listed for through branch circuit wiring with max. of (8) No. 12 AWG 90°C supply conductors.
C700RM UL Listed for No. 12 AWG 60° C supply conductors.

Labels

UL Listed for damp locations, I.B.E.W.

Alzak® is a registered trademark of ALCOA.

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

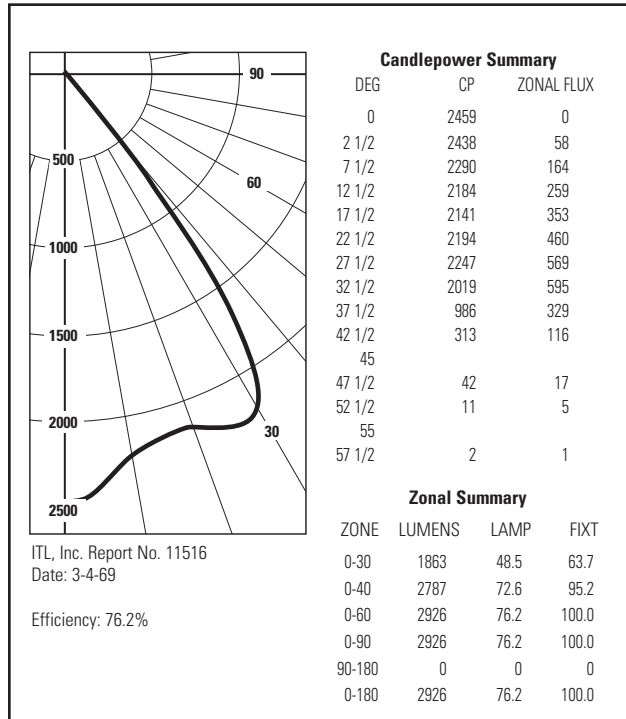
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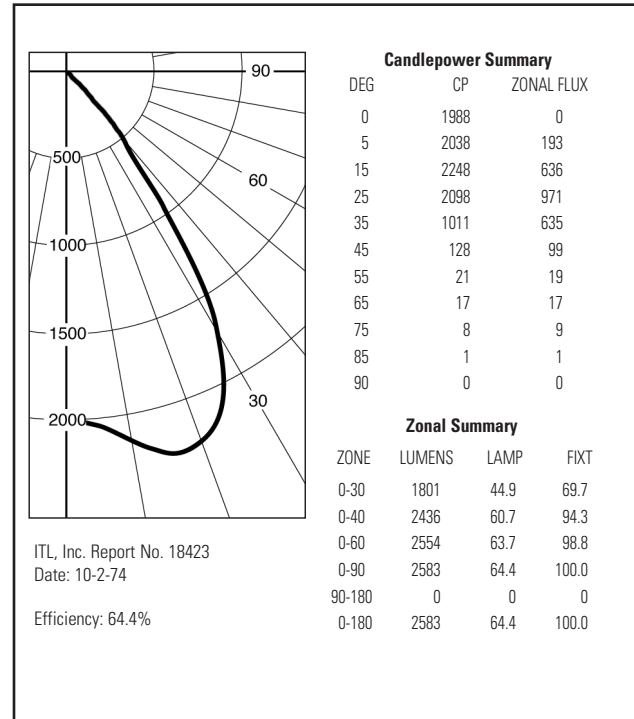
C7055CL

Spacing Ratio = 1.3



C7055BK

Spacing Ratio = 1.3



Coefficients of Utilization % Effective Ceiling Cavity Reflectance

Room Cavity Ratio	% Wall Reflectance															
	80			70			50			30			10			0
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
1	.85	.84	.82	.84	.82	.81	.81	.79	.78	.78	.76	.76	.75	.74	.74	.72
2	.80	.77	.75	.79	.76	.74	.76	.74	.73	.74	.73	.71	.72	.71	.70	.68
3	.75	.71	.69	.74	.71	.69	.72	.70	.69	.71	.68	.67	.70	.67	.65	.64
4	.71	.67	.65	.70	.67	.64	.68	.66	.63	.67	.65	.63	.66	.63	.62	.61
5	.67	.62	.60	.66	.62	.59	.65	.62	.59	.63	.61	.59	.62	.60	.58	.57
6	.63	.59	.56	.62	.59	.56	.62	.59	.55	.60	.58	.55	.60	.57	.55	.54
7	.59	.55	.52	.59	.55	.52	.58	.54	.52	.57	.54	.51	.56	.53	.51	.50
8	.56	.52	.49	.55	.51	.49	.55	.51	.49	.54	.51	.48	.53	.50	.48	.47
9	.52	.48	.45	.52	.48	.45	.51	.47	.44	.51	.47	.44	.49	.46	.44	.43
10	.49	.44	.41	.48	.44	.41	.48	.44	.41	.47	.44	.41	.47	.44	.41	.40

20% Floor Cavity Reflectance

Conversion Factor: For 150W A21 and 300W PS25 with clear reflector, multiply C.U.'s by 1.0.
For 150W A21, 200W A23, and 300W PS25 with gold reflector, multiply C.U.'s by 0.9.

Coefficients of Utilization % Effective Ceiling Cavity Reflectance

Room Cavity Ratio	% Wall Reflectance															
	80			70			50			30			10			0
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
1	.72	.70	.69	.70	.69	.68	.68	.67	.66	.65	.64	.64	.63	.62	.62	.61
2	.67	.64	.62	.66	.63	.61	.64	.62	.60	.62	.60	.59	.60	.59	.58	.57
3	.62	.59	.57	.61	.59	.56	.60	.57	.55	.58	.56	.55	.57	.55	.54	.53
4	.58	.55	.52	.58	.54	.52	.56	.53	.51	.55	.52	.51	.54	.52	.50	.49
5	.54	.51	.48	.54	.50	.48	.53	.50	.47	.52	.49	.47	.51	.48	.46	.46
6	.51	.47	.45	.51	.47	.45	.50	.47	.44	.49	.46	.44	.48	.46	.44	.43
7	.48	.44	.42	.48	.44	.41	.47	.44	.41	.46	.43	.41	.45	.43	.41	.40
8	.45	.41	.38	.44	.41	.38	.44	.40	.38	.43	.40	.38	.42	.40	.38	.37
9	.42	.38	.35	.41	.38	.35	.41	.37	.35	.40	.37	.35	.40	.37	.35	.34
10	.39	.35	.32	.38	.35	.32	.38	.34	.32	.37	.34	.32	.37	.34	.32	.31

20% Floor Cavity Reflectance

Conversion Factor: For 150W A21 and 300W PS25 with Black Alzak reflector, multiply C.U.'s by 1.0. For 150W A21, 200W A23, and 300W PS25 with Multi-Groove, multiply C.U.'s by 0.9.

Job Information

Type:

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