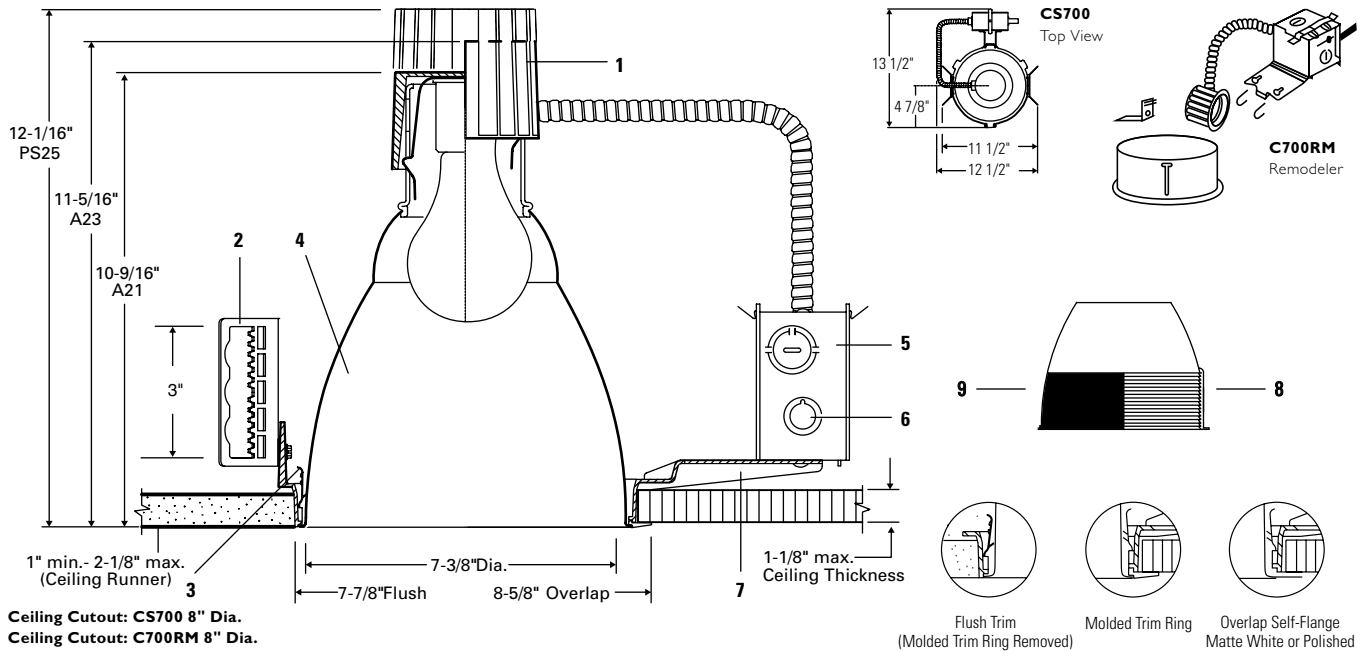


Project:	Catalog No:	Mfg:
Location:	Fixture Type:	Qty:
Notes:		Lamps:



### Ordering guide

Trims	Reflector	Flange	Frame-In Kit	Lamp
<b>C7055</b> Calculite A21/A23/PS25 Incandescent 7 <sup>3</sup> / <sub>8</sub> " Open Downlight	<b>BK</b> Specular Black <b>WH</b> White <b>CCD</b> Comfort Clear Diffuse <b>GD</b> Specular Gold <b>MG</b> Multi-Groove Baffle <sup>3</sup>	<b>W</b> White <b>P</b> Polished <b>-</b> Flangeless - Leave Blank (molded trim ring)	<b>CS700</b> New Construction <b>CS700LC</b> New Construction Chicago Air Plenum <sup>1</sup> <b>C700RM</b> Remodeler <sup>2</sup>	<b>A21</b> 150W max. <b>A23</b> 200W max. <b>PS25</b> 300W max.

1. Requires access from above ceiling.
2. For use in existing ceilings with 3/8" min. to 2" max. thickness.
3. Available with molded trim ring only.

### Features

- 1. Socket Cup:** Galvanized steel 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.
- 2. 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.
- 3. Retaining Springs:** Precision tooled springs secure reflector to mounting frame for quick tool-less installation.
- 4. Reflector:** 16 ga. Specular aluminum, 45° visual cutoff to lamp and lamp image. Available with white or polished flange, or with removable white molded trim ring (field paintable).
- 5. Junction Box:** 14 ga. steel, 4" x 3 1/2" x 2" box allows inspection from below.
- 6. 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.
- 7. Mounting Frame:** Galvanized steel suitable for dry or plaster ceilings. Provides flangeless trim in plaster ceiling.
- 8. Multi-Groove Baffle (C7055MG):** One piece seamless aluminum. Sharply detailed concentric rings with "sawtooth" profile, optical black finish. Permanently fastened to specular clear reflector.
- 9. Black Cone (C7055BK):** Specular black aluminum. Permanently fastened to specular clear reflector.

### Options and Accessories

- 1950** 18" Mounting Bars (set of 2)
- 1951** 27" Mounting Bars (set of 2)
- 1956** T-Bar Anchor Clips (set of 4, for 1950 & 1951)
- 7920** Sloped Ceiling Adapter (see **SCA** spec sheet)
- 7998** Existing Ceiling Clips (set of 2)
- 7997** Step Down Transformer (see **7997** spec sheet 277V PRI, 120V Sec. 300W)

### Electrical

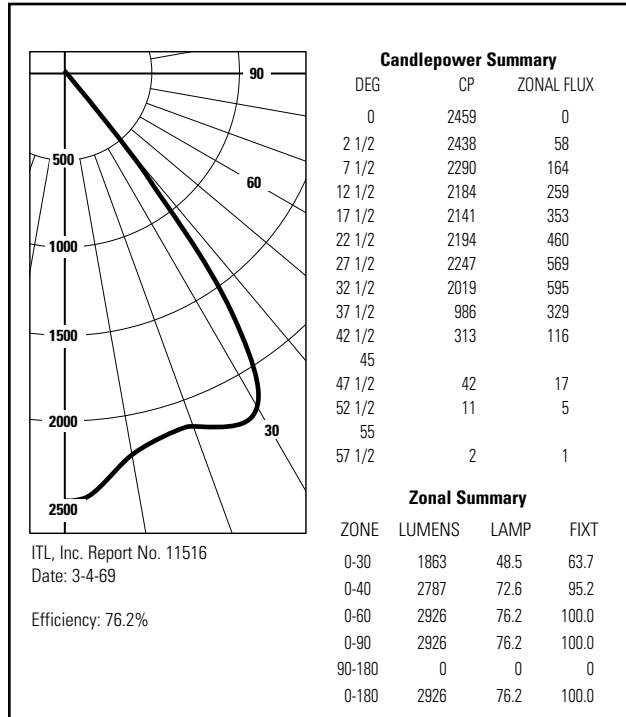
- CS700** UL Listed for through branch circuit wiring with max. of (8) No. 12 90°C supply conductors
- AWG** 90°C supply conductors
- C700RM** UL Listed for No. 12 AWG 60°C supply conductors

### Labels

UL Listed (suitable for damp locations), I.B.E.W.

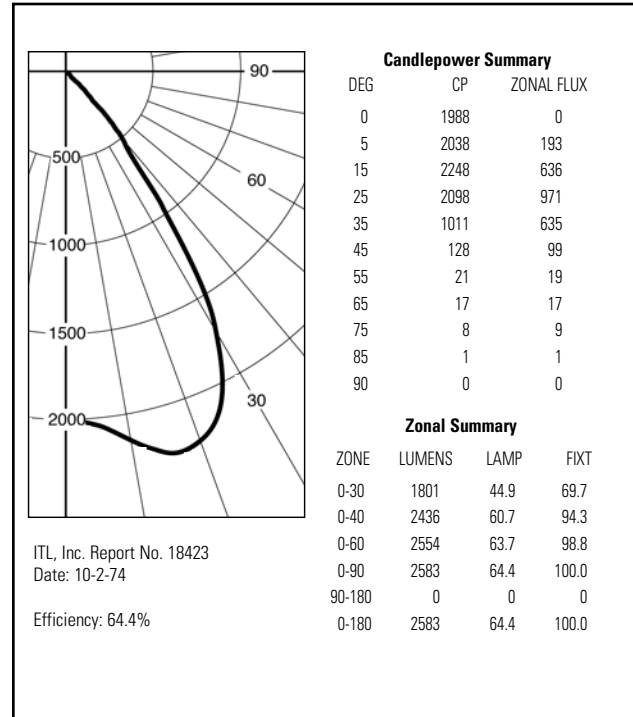
### C7055CL

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			
	50	30	10	0	50	30	10	0	50	30	10	0	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			
	50	30	10	0	50	30	10	0	50	30	10	0	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.



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C7055 03/14

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