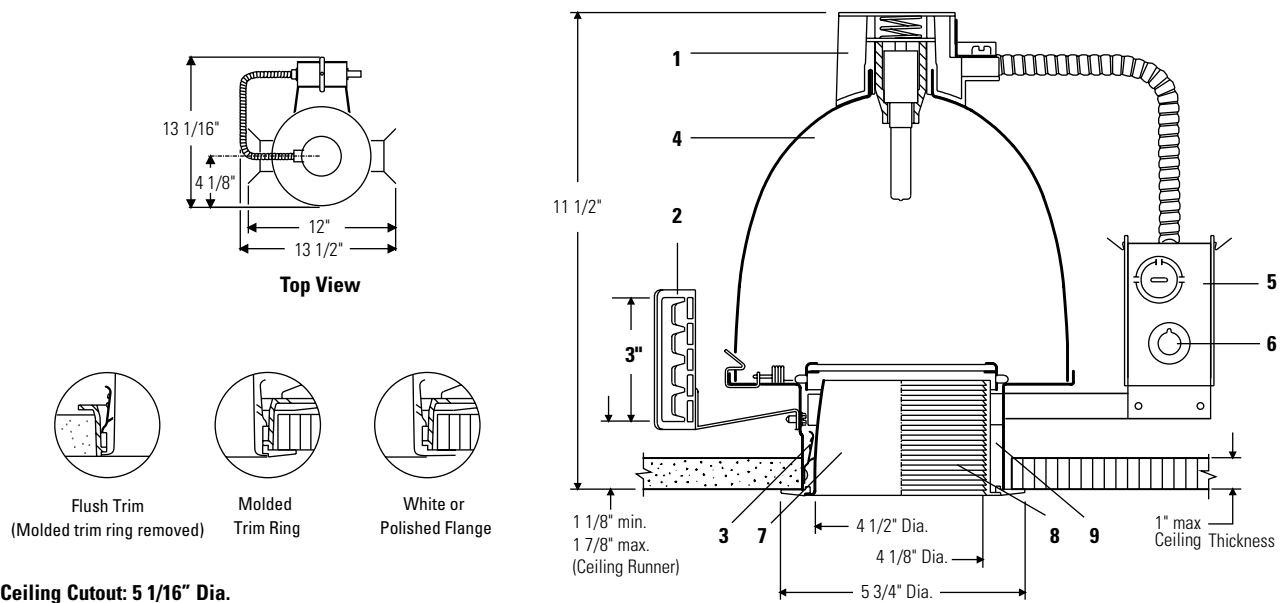




Ceiling Cutout: 5 1/16" Dia.

Reflector Trims		Frame-In Kit	Lamp
782CLW	Specular Clear finish with white flange.	7082	T4 250W Tungsten Halogen Frosted (Mini-can based)
782CLP	Specular Clear finish with polished flange.		
782CL	Specular Clear finish with molded trim ring (flangeless).		
782 ☐	Add suffix for other finishes (see options).		

Features

- Socket Cup:** Heat dissipating die-cast aluminum with mini-can base porcelain socket, nickel plated screw shell No. 18 SF1 leads effectively act to cool and properly stabilize lamp temperature. Adjustable socket feature allows same fixture to be operated as wide or narrow distribution downlight.
- Mounting Brackets:** Adjust vertically from inside of fixture. Durable 16 ga. steel construction. Use with standard 3/4" or 1 1/2" lathing channels (by others), or Lightolier accessory mounting bars.
- Retaining Springs:** Precision tooled springs secure aperture mounting frame for quick tool-less installation.
- Reflector:** Specular clear Alzak® upper reflector, retained by spring latches for inspection and maintenance, top relampable, (fixture requires accessible ceiling).
- Junction Box:** 14 ga. steel, 4" x 3 1/2" x 2" box
- Thermal Protector:** Meets NEC and UL requirements. Insulation must be kept 3" away from fixture sides and wiring compartments. Must not be placed above fixture in a manner which will entrap heat.
- Aperture Cone:** 16 ga. Specular Alzak® aluminum, 45° visual cutoff of lamp and lamp image. Available with white or polished flange, or with removable white molded trim ring (field paintable).
- Multi-Groove Baffle:** One piece seamless aluminum. Sharply detailed concentric rings with "sawtooth" profile, optical black finish.
- Mounting Collar:** Die-formed steel painted in baked black enamel.

Other Reflector Finish Options

Comfort Clear Diffuse	CCD	Specular Black	BK
Specular Gold	GD	Multi-Groove Baffle	MG

Flange Options

White	W
Polished Flange	P
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)
Wood Joist Mtg. Bars	7994 (set of 2)
Sloped Ceiling Adapters	See SCA specification sheet
Step Down Transformer	7997 (see separate specification sheet)
Chicago Air Plenum	LC (add suffix to Frame-in Kit)

Electrical

UL Listed for maximum of 8 No. 12, 75°C through branch circuit conductors, or 60°C supply conductors for end of run.

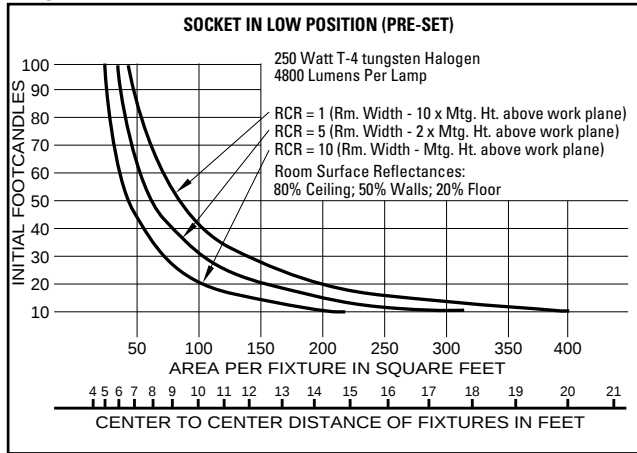
Labels

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

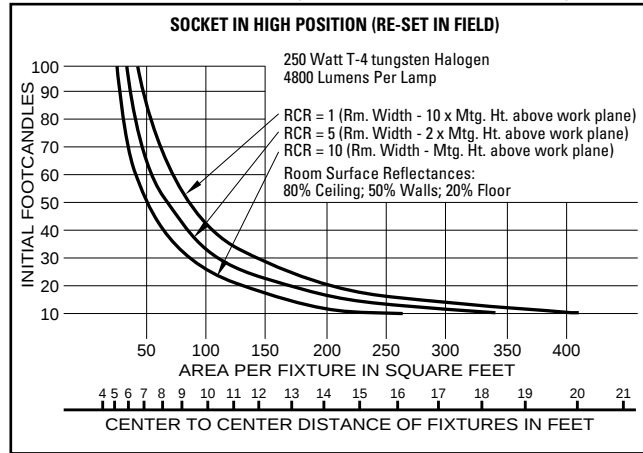
Install fixtures with minimum spacing of: 4'-0" between centers of adjacent fixture; and 6" between top of fixture and overhead building member; and 2'-0" between fixture center and building side wall.

Alzak® is a registered trademark of ALCOA.

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

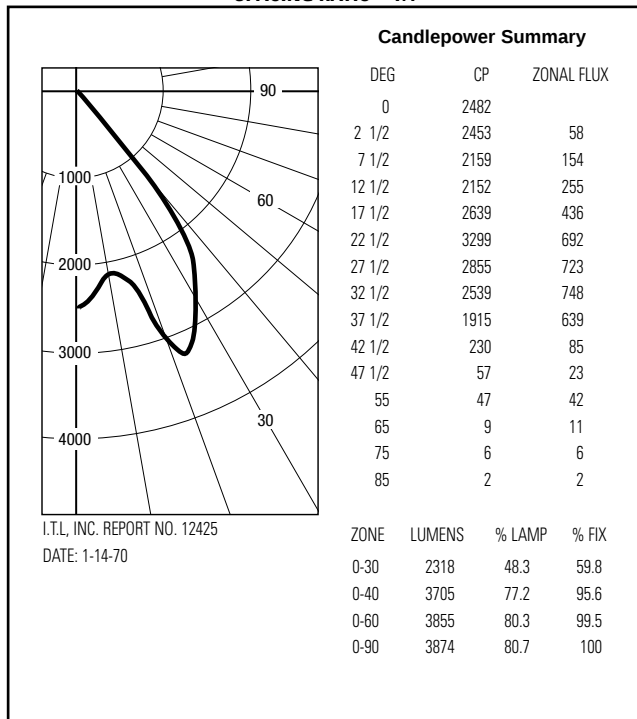


Use quick calculator chart to determine spacing of luminaires for desired level of illumination.

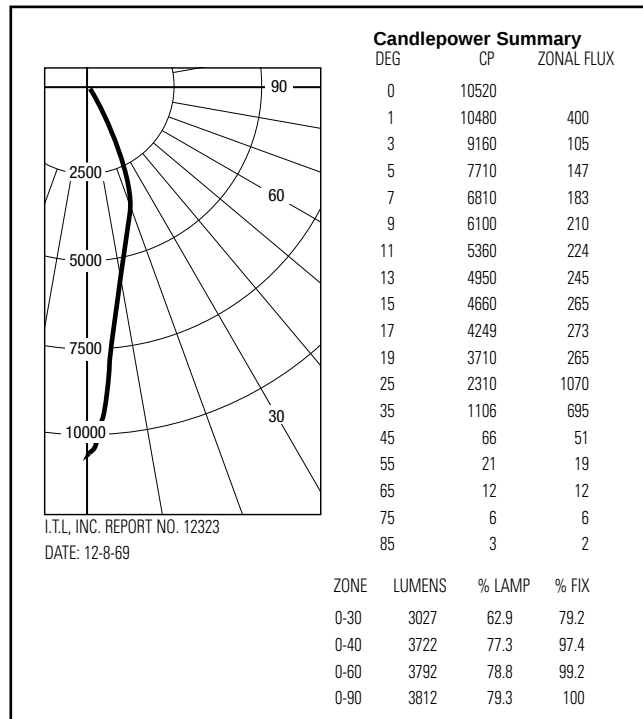


Use quick calculator chart to determine spacing of luminaires for desired level of illumination.

SPACING RATIO = 1.4



SPACING RATIO = 0.4



COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY REFLECTANCE

ROOM CAVITY RATIO	% WALL REFLECTANCE												% FLOOR CAVITY REFLECTANCE											
	80				70				50				30				10				0			
	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0
1	.89	.87	.86	.88	.86	.84	.84	.83	.82	.81	.80	.79	.79	.78	.77	.75	.79	.78	.77	.75	.79	.78	.77	.75
2	.83	.80	.77	.82	.79	.76	.74	.77	.75	.73	.74	.73	.74	.73	.71	.70	.74	.73	.71	.70	.74	.73	.71	.70
3	.77	.73	.70	.76	.72	.69	.74	.71	.68	.72	.69	.67	.70	.68	.66	.65	.68	.67	.65	.64	.68	.67	.65	.64
4	.72	.67	.64	.71	.67	.63	.69	.65	.63	.67	.64	.62	.66	.63	.61	.60	.64	.62	.60	.59	.64	.62	.60	.59
5	.67	.62	.58	.66	.61	.58	.64	.60	.57	.63	.60	.57	.62	.59	.56	.55	.58	.57	.55	.54	.58	.57	.55	.54
6	.62	.57	.54	.62	.57	.54	.60	.56	.53	.59	.56	.54	.58	.55	.52	.51	.54	.53	.51	.50	.54	.53	.51	.50
7	.58	.53	.49	.58	.53	.49	.56	.52	.49	.55	.52	.49	.54	.51	.48	.47	.50	.49	.47	.46	.50	.49	.47	.46
8	.54	.49	.45	.53	.48	.45	.52	.48	.45	.51	.47	.45	.50	.47	.44	.43	.46	.45	.43	.42	.46	.45	.43	.42
9	.49	.44	.41	.49	.44	.41	.48	.44	.40	.47	.43	.40	.45	.42	.39	.38	.42	.41	.39	.38	.42	.41	.39	.38
10	.46	.40	.37	.45	.40	.37	.44	.40	.37	.43	.39	.37	.43	.39	.37	.35	.41	.39	.37	.35	.41	.39	.37	.35

COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY REFLECTANCE

ROOM CAVITY RATIO	% WALL REFLECTANCE												% FLOOR CAVITY REFLECTANCE											
	80				70				50				30				10				0			
	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0	50	30	10	0
1	.89	.87	.86	.87	.86	.85	.84	.83	.82	.81	.80	.79	.79	.78	.77	.76	.79	.78	.77	.76	.79	.78	.77	.76
2	.84	.81	.78	.82	.80	.78	.80	.78	.76	.77	.76	.74	.75	.74	.73	.72	.74	.73	.71	.70	.74	.73	.71	.70
3	.79	.76	.73	.78	.75	.72	.76	.73	.71	.74	.72	.70	.72	.71	.69	.68	.72	.71	.69	.68	.72	.71	.69	.68
4	.75	.71	.68	.74	.70	.68	.72	.69	.67	.71	.68	.66	.69	.67	.65	.64	.68	.67	.65	.64	.68	.67	.65	.64
5	.71	.67	.64	.70	.66	.63	.69	.65	.63	.67	.64	.62	.66	.64	.62	.61	.64	.63	.61	.60	.64	.63	.61	.60
6	.67	.63	.60	.67	.63	.60	.66	.62	.60	.65	.62	.59	.64	.61	.59	.58	.62	.61	.59	.58	.62	.61	.59	.58
7	.64	.60	.57	.64	.60	.57	.63	.59	.57	.62	.59	.56	.61	.58	.56	.55	.60	.59	.57	.56	.60	.59	.57	.56
8	.61	.57	.54	.60	.56	.54	.60	.56	.54	.59	.56	.53	.58	.55	.53	.52	.57	.56	.54	.53	.57	.56	.54	.53
9	.58	.53	.51	.57	.53	.50	.56	.53	.50	.56	.52	.50	.55	.52	.50	.49	.54	.53	.51	.50	.54	.53	.51	.50
10	.54	.50	.47	.54	.50	.47	.53	.50	.47	.53	.49	.47	.52	.49	.47	.46	.51	.50	.48	.47	.51	.50	.48	.47

Job Information

Type:

Lightolier a Genlyte Thomas Company
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
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