

**Ceiling Cutout: 8" (203 mm) Dia.**

**Complete Fixture consists of Reflector Trim & Frame-In Kit. Select each separately.**

Reflector Trim	Frame-In Kit	Lamp
<b>DL7 CLW</b> Specular Clear, White Self-Flange	<b>DL7H 70HA</b>	70W ED17/BD17 (Coated) Enclosed Metal Halide
<b>DL7 CLP</b> Specular Clear, Polished Self-Flange	<b>DL7H 10HA</b>	100W ED17/BD17 (Coated) Enclosed Metal Halide
<b>DL7 CL</b> Specular Clear, White Trim Ring		
<b>DL7 MG</b> Multi-Groove, White Trim Ring		
<b>DL7 BK</b> Specular Black, White Trim Ring		

## Features

- Reflector:** Specular clear Alzak® aluminum, 16 ga. provides narrow beam.
- Aperture Cone:** Specular Alzak® clear or black aluminum (with U.V. resistant, non-fading finish), 16 ga. 50° visual cut-off to lamp and lamp image. Cone supplied with self-flanged or white molded trim ring (field paintable).
- Multi-Groove Baffle:** One piece seamless aluminum. Sharply detailed concentric rings, black finish, fastened to specular clear reflector.
- Black Cone:** Specular black Alzak® aluminum (with U.V. resistant, non fading finish). Permanently fastened to specular clear reflector.
- Socket Cup:** Heat dissipating die-cast aluminum with medium base pulse rated porcelain socket with nickel plated screw shell. Positive locking attachment, without tools, to reflector assures proper optical alignment.
- Mounting Frame:** Die-formed steel, 16 ga. vertically oriented for maximum rigidity. Comes with 4 mounting brackets to accept standard 3/4" or 1 1/2" lathing channels (by others), 1/2" EMT tubing (by others) or optional Lightolier mounting bars (1950 or 1951).
- Mounting Ring:** Die-formed steel, 20 ga. Designed for vertical adjustment from inside of fixture, black finish.
- Retaining Springs:** Rust resistant springs simplify reflector/housing removal for inspection and maintenance.
- Lamp Guard:** High heat resistant glass (as required by lamp manufacturer).
- Ballast/Junction Box Assembly:** Ballast and splice box on 16 ga. plate. Accessible from below without tools for inspection and replacement.
- Junction Box:** 16ga. steel. Can be inspected from below. UL listed for maximum of (8) No. 12 AWG, 90°C through branch circuit conductors.
- Thermal Protector:** Meets NEC and UL requirements. Thermal insulation shall not be installed within 3" (76mm) of the recessed fixture enclosure, wiring compartment, or ballast, and shall not be so installed above the fixture so as to entrap heat and prevent the free circulation of air.

## Electrical

**Ballast:** 120/277V, magnetic, lag type high reactance autotransformer, high power factor, encased and filled with a special thermally conductive insulation material for heat dissipation and quiet operation.

## Electrical (continued)

Ballast	ANSI Code	Voltage	Max. Amps	Input Watts
70W MH	M98	120/277	1.90/0.80	95
100W MH	M90	120/277	2.60/1.15	130

## Options and Accessories

- Mounting Bars:** 1950 - 18" Set of (2), 1951 - 27" set of (2).
- T-Bar Anchor Clips:** 1956 (set of 4) For use with mounting bars.
- Slope Ceiling Adapter:** 7926. See Spec. Sheet SCA.
- Auxiliary:** Add suffix **A** to Frame-in-kit. See Spec. Sheet "A".
- Emergency Lamp:** Add suffix **E** to Frame-in-kit. See Spec. Sheet "E".
- Fuse:** Add suffix **F1** or **F2** to Frame-In Kit (F1=120V, F2=277V).
- Chicago Air Plenum:** Add **LC** to Frame-In Kit.
- Electronic MH Ballast:** Consult Factory. **EB1**=120V, **EB2**=277V.

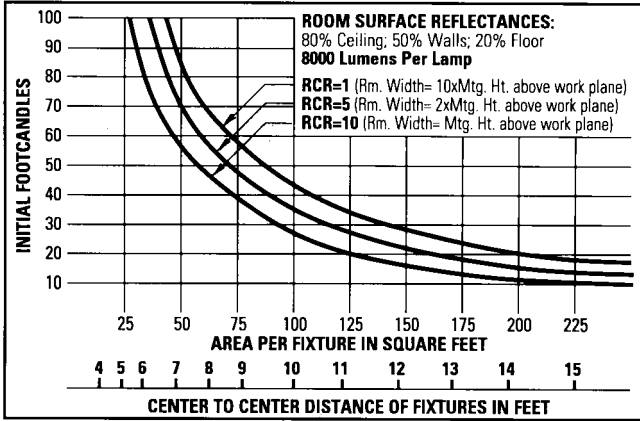
## Labels

UL (Suitable for Damp Locations), CSA, I.B.E.W.

Alzak® is a registered trademark of ALCOA.

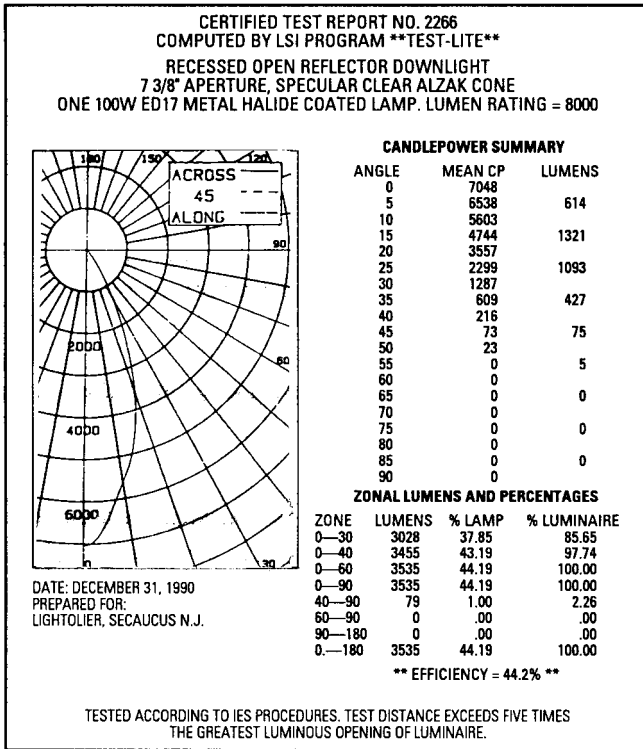
Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

**Lightolier** a Genlyte Thomas Company www.lightolier.com  
 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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This quick calculator chart determines the number and spacing of 100 Watt ED17 Metal Halide units (Clear) for any level of illumination. Lighting Conversion Factors: 100 Watt ED17 Metal Halide: Black, F.C. x 0.90; Multi Groove, F.C. x 0.8. 70 Watt ED17 Metal Halide: Clear, F.C. x 0.60; Black, F.C. x 0.55; Multi Groove, F.C. x 0.50.

**SPACING RATIO = 0.6**



**COEFFICIENTS OF UTILIZATION**

% EFFECTIVE CEILING CAVITY REFLECTANCE

ROOM CAVITY RATIO	% EFFECTIVE CEILING CAVITY REFLECTANCE															
	80			70			50			30			10			0
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
1	.50	.49	.48	.49	.48	.48	.47	.47	.46	.46	.45	.45	.44	.44	.43	.43
2	.48	.46	.45	.47	.46	.45	.45	.45	.44	.44	.44	.43	.43	.43	.42	.41
3	.46	.44	.43	.45	.44	.43	.44	.43	.42	.43	.42	.41	.42	.41	.41	.40
4	.44	.42	.41	.44	.42	.41	.43	.41	.40	.42	.41	.40	.41	.40	.39	.39
5	.42	.40	.39	.42	.40	.39	.41	.40	.39	.40	.39	.38	.40	.39	.38	.37
6	.41	.39	.38	.40	.39	.37	.40	.38	.37	.39	.38	.37	.39	.38	.37	.36
7	.39	.37	.36	.39	.37	.36	.38	.37	.36	.38	.37	.35	.38	.36	.35	.35
8	.38	.36	.35	.37	.36	.34	.37	.35	.34	.37	.35	.34	.36	.35	.34	.34
9	.36	.34	.33	.36	.34	.33	.36	.34	.33	.35	.34	.33	.35	.34	.33	.32
10	.35	.33	.32	.35	.33	.32	.35	.33	.32	.34	.33	.32	.34	.33	.32	.31

20% FLOOR CAVITY REFLECTANCE

Conversion Factors: 70W and 100W ED17 Metal Halide: Clear, C.U. x 1.0; Black, C.U. x 0.90; Multi Groove, C.U. x 0.80.

**Job Information**  **Type:**

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