

**Ceiling Cutout: B600 6 9/16" (167 mm) Dia.**  
**Ceiling Cutout: B600RM 6 1/2" (165 mm) Dia.**

Reflector Trim	Frame-In Kit	Lamp
<b>B7780CLW</b> Specular Clear finish with white flange	<b>B600</b>	<b>PAR38</b> , 150W max.
<b>B7780CLP</b> Specular Clear finish with polished flange	<b>Remodeler Frame-In Kit</b>	<b>Lamp</b>
<b>B7780</b> Add suffix for other finishes (see options)	<b>B600RM</b> (for use in existing ceilings with 3/8" min. to 2" max. thickness)	Same as B600

## Features

- Socket Cup:** Die-cast aluminum cup effectively dissipates heat and assures lamps maintain proper optical alignment to reflector. Snaps onto reflector neck for easy tool-less installation. Contains medium base porcelain socket, nickel plated screw shell wired with No. 18 SF1 leads to J-Box.
- Mounting Brackets:** Adjusts vertically from inside of fixture. Durable 16 ga. steel construction. Use with standard 3/4" or 1 1/2" lathing channels (by others), 1/2" 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 - eliminating need for access from above.
- 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.
- Vent Holes:** Provide proper ventilation to high wattage PAR lamps.

## Other Reflector Finish Options

Comfort Clear Diffuse **CCD**  
 Specular Gold **GD**  
 Specular Black **BK**

## Flange Options

White **W**  
 Polished Flange **P**  
 Flangeless Leave Blank (molded trim ring)

## Accessories and Options

- 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 Mounting Bars** 7994 (set of 2)  
**Existing Ceiling Clips** 7998 (set of 2)  
**Step Down Transformer** 7997 (see 7997 specification sheet)  
**Sloped Ceiling Adapter** 7925 (see SCA specification sheet)  
**Chicago Air Plenum** LC (add suffix to Frame-in Kit)

## Electrical

**B600** UL Listed for through branch circuit wiring with max. of (8) No. 12 AWG 90°C supply conductors.  
**B400RM** UL Listed for No. 12 AWG 60° C supply conductors.

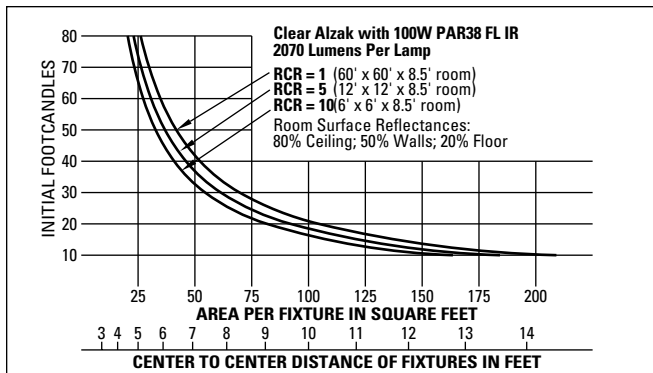
## Labels

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

Alzak® is a registered trademark of ALCOA.

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

Lightolier a Genlyte company [www.lightolier.com](http://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.  
 © 2007 Genlyte Group LLC • C0607



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

- 100W PAR38 FL IR: Clear & Gold, F.C. X 1.0; Black, F.C. X 0.8
- 120W PAR38 FL: Clear & Gold, F.C. X 0.9; Black, F.C. X 0.7
- 90W PAR38 FL: Clear & Gold, F.C. X 0.6; Black, F.C. X 0.5
- 75W/60W IR PAR38 FL: Clear & Gold, F.C. X 0.5; Black, F.C. X 0.4

**SPACING RATIO = 0.6**

CERTIFIED TEST REPORT NO.2712  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

RECESSED CALCULITE OPEN REFLECTOR DOWNLIGHT CATALOG NO. B7780CL8600  
5 7/8" DIA. APERTURE, SPECULAR CLEAR ALZAK® REFLECTOR  
ONE 100 PAR-38 HIR FLOOD (GE 100HIRVFL35). LUMEN RATING = 2070 LMS.

ANGLE	MEAN CP	LUMENS
0	5314	
5	5229	486
10	4602	
15	1552	891
20	3201	
25	1569	335
30	581	
35	167	43
40	43	
45	20	14
50	25	
55	4	1
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1712	85.62	96.71
0-40	1755	87.77	99.13
0-60	1770	88.54	100.00
0-90	1770	88.54	100.00
40-90	15	.77	.87
60-90	0	.00	.00
90-180	0	.00	.00
0-180	1770	88.54	100.00

DATE: APRIL 14, 1999  
PREPARED FOR  
LIGHTOLIER, FALL RIVER, MA

\*\*EFFICIENCY = 88.5% \*\*

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

**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	1.01	.99	.98	.99	.98	.97	.95	.95	.94	.92	.92	.91	.89	.89	.88	.87
2	.97	.95	.93	.96	.94	.92	.93	.91	.90	.90	.89	.88	.88	.87	.86	.85
3	.94	.91	.89	.93	.91	.89	.91	.89	.87	.89	.88	.86	.87	.86	.85	.84
4	.91	.89	.86	.91	.88	.86	.89	.87	.85	.87	.85	.84	.86	.84	.83	.82
5	.89	.86	.84	.88	.85	.83	.87	.84	.83	.85	.83	.82	.84	.83	.81	.80
6	.87	.84	.82	.86	.83	.81	.85	.83	.81	.84	.82	.80	.83	.81	.80	.79
7	.85	.82	.79	.84	.81	.79	.83	.81	.79	.82	.80	.78	.81	.80	.78	.77
8	.82	.80	.78	.82	.79	.77	.81	.79	.77	.81	.78	.77	.80	.78	.76	.76
9	.81	.78	.76	.80	.78	.76	.80	.77	.75	.79	.77	.75	.78	.76	.75	.74
10	.79	.76	.74	.79	.76	.74	.78	.75	.74	.78	.75	.74	.77	.75	.73	.73

20% FLOOR CAVITY REFLECTANCE

Conversion Factors  
45W to 120W PAR38 FL: Clear and Gold, C.U. x 1.0; black, C.U. x 0.8

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

Lightolier a Genlyte company [www.lightolier.com](http://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.  
© 2007 Genlyte Group LLC • C0607