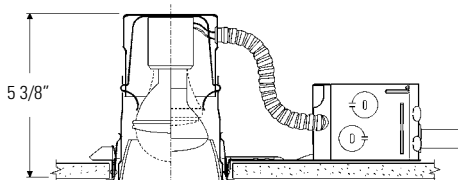
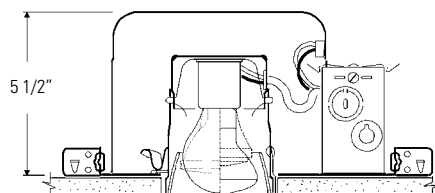


2013/2003R
Lyte *Lyte* **NON-IC**
Remodeler Ring



2013/2000IC
Insulated Ceiling
2013/2000AIC
Insulated Ceiling
AirSeal®



Project: _____

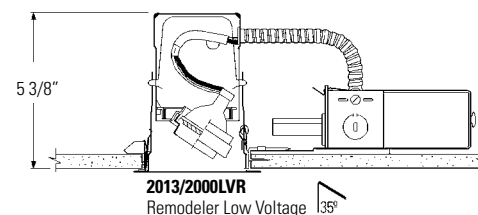
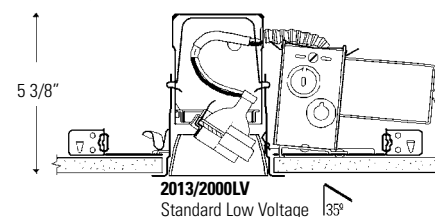
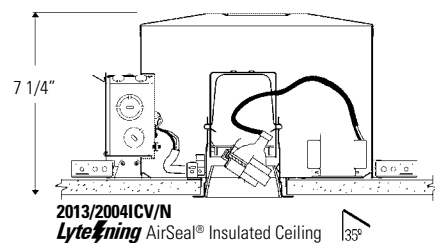
Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____



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

Reflector Trim		Frame-In Kit — See Individual Frame-In Kit Specification Sheets							
2013 2013CD 2013WH	Specular Clear Clear Diffuse Matte White	Line Voltage				Low Voltage			
		Frame-In Kit	Install Type	Lamping	Height	Frame-In Kit	Installation Type	Lamping	Height
		2002P1 2003R	Standard Non-IC	40W A19**	5 1/2"	2000LV 2000LVR 2000LVE1 2000LVE2 2000LVRE1	Standard Non-IC	20W-50W MR16	5 3/8"
			Std. Non-IC Rem.	75W R20, PAR16 50W PAR20	5 3/8"		Remodeler Non-IC		5 3/8"
		2000P1	Standard Non-IC	40W A19** 75W R20, PAR16 50W PAR20	5 1/4"		Electronic Low Voltage Non-IC 120V		5 3/8"
Electronic Low Voltage Non-IC 277V	5 3/8"								
2000IC	IC	50W R20, PAR20	5 9/32"	2004ICV/N 2000AICV	Lytening AirSeal® IC Lytening AirSeal® IC	20W-35W MR16	7 1/4" 5 9/32"		

Features

- Reflector:** Hydroformed aluminum, .040" thick (18 ga.); white trim flange.
- Cone:** Aluminum cone with anodized finish.
- Frame-In Kit:** (2002P1 standard frame shown) Other frame shown on the right. See Frame-In Kit specification sheet for more detail.

Options & Accessories

Retaining Clips: 1955 - For Installing in Existing Ceiling

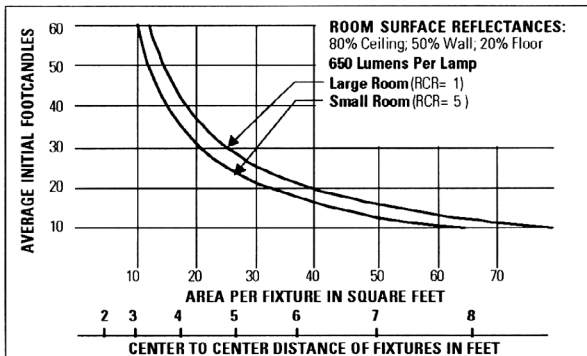
Labels

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

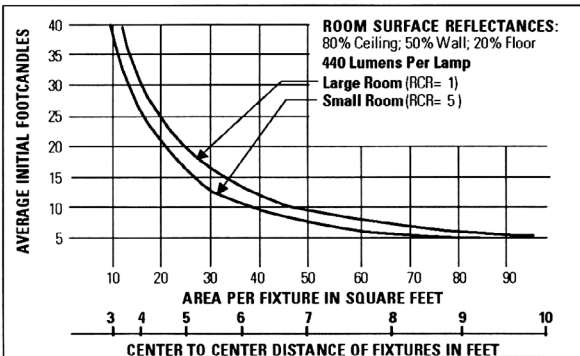
2013 Lytecaster 3 3/4"

Cone Trim

LINE VOLTAGE LAMPS

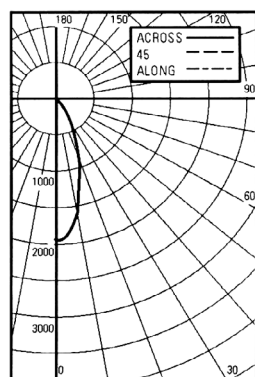


Use quick calculator chart to determine the spacing of 50W PAR20 NFL units (Clear and Gold) for a desired level of illumination. Conversion Factors: 50W PAR20 NFL White, F.C. x 0.9; Black F.C. x 0.85. 75W PAR16 NFL Clear and Gold, F.C. x 1.5; White, F.C. x 1.4; Black, F.C. x 1.2



Use quick calculator chart to determine the spacing of 50W R20 units (Clear, Gold & White) for a desired level of illumination. Conversion Factors: 75W R20 Clear, Gold and White, F.C. x 1.8. 50W R20 Black, F.C. x 0.65. 75W R20, Black F.C. x 1.15. 40W A19 (S.R.=1.3) Clear and Gold, F.C. x 0.55; White, F.C. x 0.35; Black, F.C. x 0.2

SPACING RATIO: 0.6 CERTIFIED TEST REPORT NO.1747
COMPUTED BY ELECTRICAL TESTING LABORATORIES, INC.
RECESSED LYTECASTER DOWNLIGHT
3 1/2" DIA APERTURE, SPECULAR CLEAR CONE



ONE 50W PAR20 LAMP, LUMEN RATING =850

LMS.

CANDLEPOWER SUMMARY

MEAN CP LUMENS

ANGLE	MEAN CP	LUMENS
0	1903	
5	1790	166
10	1470	
15	1095	314
30	758	
35	465	226
38	357	
40	116	85
45	51	
45	17	18
50	8	
55	3	3
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

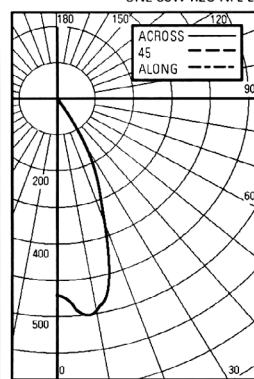
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-33	706	83.09	86.87
0-40	791	93.08	97.31
0-60	812	95.57	90.92
0-90	813	95.65	100.90
40-90	21	2.57	2.69
60-90	0	.08	.08
90-180	0	.00	.00
0-180	813	95.65	100.00

****EFFICIENCY = 95.6%****

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

SPACING RATIO: 0.8 CERTIFIED TEST REPORT NO.1544
COMPUTED BY LSI PROGRAM **TEST-LITE**
RECESSED LYTECASTER DOWNLIGHT
3 1/2" DIA APERTURE, SPECULAR CLEAR CONE

ONE 50W R20 NFL LAMP, LUMEN RATING = 425 LMS.



CANDLEPOWER SUMMARY

MEAN CP LUMENS

ANGLE	MEAN CP	LUMENS
0	541	
5	590	55
10	565	
15	514	140
20	365	
35	354	121
38	171	
40	104	67
45	47	
45	15	17
90	10	
55	6	5
60	1	
85	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	316	74.39	77.89
0-40	363	90.16	94.40
0-60	405	95.31	99.79
0-90	405	95.51	100.00
40-90	22	5.35	5.60
60-90	0	.20	.21
90-180	0	.00	.00
0-180	405	95.51	100.00

****EFFICIENCY = 95.5%****

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

COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY REFLECTANCE

		PERCENT WALL REFLECTANCE																																	
		80						70						50						30						10						0			
		% WALL REFLECTANCE																																	
ROOM CAVITY RATIO		50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
	1	1.08	1.07	1.05	1.07	1.05	1.03	1.03	1.01	1.00	.99	.98	.97	.96	.95	.95	.96	.95	.95	.94	.93	.92	.90	.89	.88	.85	.82	.79	.76	.73	.72	.71	.70	.69	.68
	2	1.04	1.01	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.94	.93	.92	.90	.89	.88	.85	.82	.79	.76	.73	.72	.71	.70	.69	.68	.67	.66	.65	.64	.63	.62
	3	.99	.96	.94	.98	.95	.93	.96	.94	.92	.94	.92	.90	.92	.90	.89	.88	.87	.86	.85	.84	.83	.82	.81	.80	.79	.78	.77	.76	.75	.74	.73	.72	.71	.70
	4	.96	.92	.90	.95	.92	.89	.93	.90	.88	.91	.89	.87	.89	.87	.86	.85	.84	.83	.82	.81	.80	.79	.78	.77	.76	.75	.74	.73	.72	.71	.70	.69	.68	.67
	5	.92	.88	.85	.91	.88	.85	.90	.87	.84	.88	.86	.84	.87	.85	.83	.82	.81	.80	.79	.78	.77	.76	.75	.74	.73	.72	.71	.70	.69	.68	.67	.66	.65	.64
	6	.89	.85	.83	.88	.85	.82	.87	.84	.82	.86	.83	.81	.85	.82	.81	.80	.79	.78	.77	.76	.75	.74	.73	.72	.71	.70	.69	.68	.67	.66	.65	.64	.63	.62
	7	.85	.82	.79	.85	.82	.79	.84	.81	.79	.83	.80	.79	.82	.80	.78	.77	.76	.75	.74	.73	.72	.71	.70	.69	.68	.67	.66	.65	.64	.63	.62	.61	.60	.59
	8	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.75	.80	.77	.75	.74	.73	.72	.71	.70	.69	.68	.67	.66	.65	.64	.63	.62	.61	.60	.59	.58	.57	.56
	9	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.77	.75	.73	.72	.71	.70	.69	.68	.67	.66	.65	.64	.63	.62	.61	.60	.59	.58	.57	.56	.55	.54
	10	.77	.74	.71	.77	.74	.71	.76	.73	.71	.76	.73	.71	.75	.72	.70	.69	.68	.67	.66	.65	.64	.63	.62	.61	.60	.59	.58	.57	.56	.55	.54	.53	.52	.51

20% FLOOR CAVITY REFLECTANCE

Conversion Factors: 50W PAR20 NFL: White, CU, x 0.9; Black, CU, x 0.85. 75W PAR16 NFL Clear and Gold, CU, x 1.0. White, C.U. x 0.95; Black, C.U. x 0.85.

COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY REFLECTANCE

ROOM CAVITY RATIO		80			70			50			30			10			0		
		% WALL REFLECTANCE			% WALL REFLECTANCE			% WALL REFLECTANCE			% WALL REFLECTANCE			% WALL REFLECTANCE					
		50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
1		1.08	1.06	1.04	1.06	1.04	1.03	1.02	1.01	1.00	.98	.98	.97	.95	.95	.94	.92	.92	.91
2		1.02	1.00	.97	1.01	.96	.96	.98	.96	.94	.95	.93	.92	.93	.91	.90	.88	.85	.85
3		.97	.94	.91	.96	.93	.90	.94	.91	.89	.92	.90	.88	.90	.88	.86	.85	.82	.82
4		.93	.89	.85	.92	.89	.85	.90	.87	.85	.88	.86	.84	.87	.85	.83	.82	.81	.80
5		.89	.84	.81	.88	.84	.81	.85	.83	.80	.85	.82	.80	.93	.81	.79	.78	.77	.76
6		.85	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.76	.81	.78	.75	.74	.73	.72
7		.81	.77	.74	.81	.76	.73	.79	.76	.73	.78	.75	.72	.77	.74	.72	.71	.70	.69
8		.78	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.74	.71	.69	.68	.67	.66
9		.74	.70	.67	.74	.70	.67	.73	.69	.65	.72	.68	.65	.71	.68	.65	.64	.63	.62
10		.71	.67	.63	.71	.67	.63	.70	.65	.63	.69	.65	.63	.69	.65	.63	.62	.61	.60

20% FLOOR CAVITY REFLECTANCE

Conversion Factors: 50/75W R20: Clear, Gold and White, CU, x 1.0; Black, CU, x 0.65. 40W A19 (S.R.=1.3): Clear and Gold, CU, x 0.55; White, C.U. x 0.35; Black C.U. x 0.2.

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