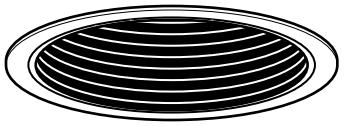
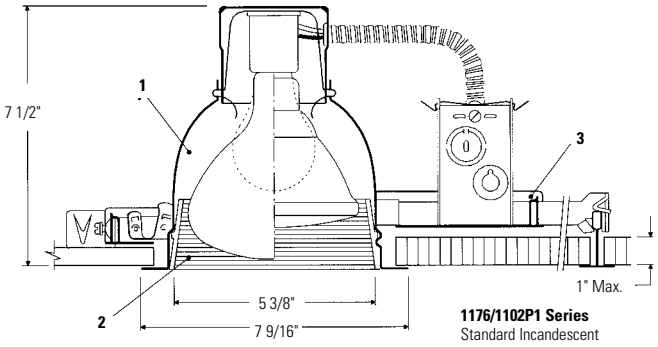
LIGHTOLIER
by signify

Downlighting

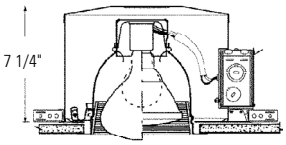
Lytecaster Reflector 6 3/4"

1176 Basic White Trim

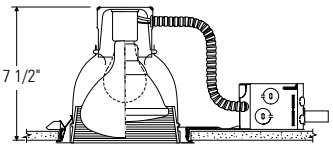




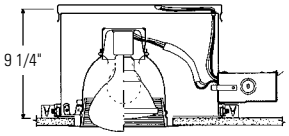
1176/1102P1 Series
Standard Incandescent



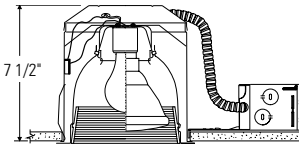
1176/1104ICX/N
Lyteshing™ AirSeal® Insulated Ceiling



1176/1103R
Standard Non-IC Remodeler Ring



1176/1100 DEEP IC Series
Incandescent Insulated Ceiling



1176/1104IC/N
Lyteshing™ Convertible IC/Non-IC

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			
	Incandescent			
	Frame-In Kit	Installation Type	Lamping	Height
1176 Black Baffle White Flange	**1102P1** **1103R**	Non-IC Non-IC Remodeler	100W A19 150W PAR38, BR40	7 1/2" 7 1/2"
1176 WH White Baffle White Flange	**1100IC** **1100AICM** **1100DICM** **1100DAICM**	IC AirSeal® IC Deep IC Deep AirSeal® IC	40W A19 90W PAR38 100W BR40	7 5/16" 7 5/16" 9 1/4" 9 1/4"
	1104ICX/N	AirSeal® IC	52W A19 90W BR40, PAR38	7 1/4"
	1104IC/N **1104ICR**	AirSeal® IC IC Remodeler	40W A19 65W BR30, BR40	7 1/2" 7 1/2"
	1104IC/N **1104ICR**	Non-IC Non-IC Remodeler	60W A19 90W PAR38 85W BR30 120W BR40	7 1/2" 7 1/2"

Features

1. **Reflector:** Hydroformed aluminum, .040" thick (18 ga.) ; non-yellowing, scruff-resistant Perma White finish with 88% reflectance; white trim flange.
2. **Step Baffle:** Molded high-heat phenolic. Stepped conical surface for low brightness; matte black or gloss white finish.
3. **Frame-In Kit:** (1102P1 standard frame shown). Other frames listed above and shown on the right. See Frame-In Kit specification sheets for more details.

Options & Accessories

Spread Lens: L56WWLENS - Proprietary spread lens for use with combination of wall washer optics and LED Frame-In Kits.

Labels

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

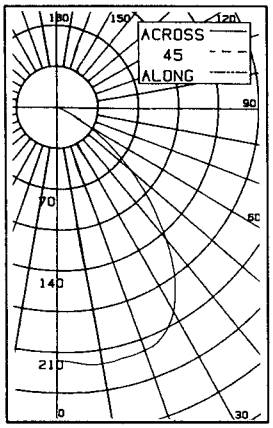
1176 Lytecaster Reflector 6 3/4"

Basic White Trim

SPACING RATIO = 1.3

CERTIFIED TEST REPORT NO. 2144
COMPUTED BY LSI PROGRAM **TEST-LITE**

RECESSED LYTECASTER DOWNLIGHT
5 3/8" DIA. APERTURE, BASIC BLACK BAFFLE
TWO 13W DTT QUAD TUBE FLUORESCENT LAMPS. LUMEN RATING = 860 LMS.



CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS
0	217	
5	220	21
10	222	
15	221	63
20	220	
25	215	99
30	201	
35	177	110
40	146	
45	114	88
50	82	
55	55	50
60	33	
65	16	18
70	6	
75	2	3
80	1	
85	0	1
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0—30	182	10.60	40.35
0—40	292	17.00	64.73
0—60	431	25.06	95.41
0—90	451	26.27	100.00
40—90	159	9.26	35.27
60—90	20	1.21	4.59
90—180	0	.00	.00
0—180	451	26.27	100.00

** EFFICIENCY = 26.3% **

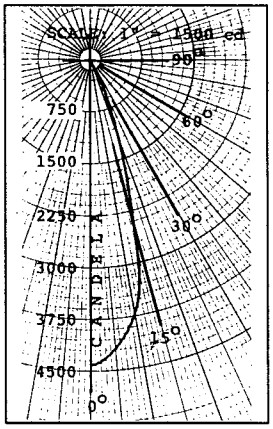
DATE: JULY 18, 1990
PREPARED FOR:
LIGHTOLIER, SECAUCUS N.J.

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

SPACING RATIO = 0.5

CERTIFIED TEST REPORT NO. 25371
COMPUTED BY INDEPENDANT TESTING LABORATORIES, INC

RECESSED LYTECASTER DOWNLIGHT
5 5/16" DIA. APERTURE, MATTE BLACK STEP BAFFLE
ONE 150W PAR38 FLOOD LAMP. LUMEN RATING = 1825 LMS.



CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS
0	4403	
5	4175	397
15	2509	710
25	650	301
35	147	92
45	8	6
55	0	0
65	0	0
75	0	0
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0—30	1407	77.10	93.50
0—40	1500	82.20	99.60
0—60	1506	82.50	100.00
0—90	1506	82.50	100.00
90—180	0	.00	.00
0—180	1506	82.50	100.00

** EFFICIENCY = 82.5% **

DATE: MARCH 4, 1980
PREPARED FOR:
LIGHTOLIER, SECAUCUS N.J.

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

COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY 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	0
1	.29	.28	.27	.28	.28	.27	.27	.27	.26	.26	.26	.25	.25	.25	.25	.24
2	.26	.25	.24	.26	.25	.24	.25	.24	.23	.24	.24	.23	.24	.23	.22	.22
3	.24	.23	.21	.24	.22	.21	.23	.22	.21	.22	.21	.21	.22	.21	.20	.20
4	.22	.20	.19	.22	.20	.19	.21	.20	.19	.21	.20	.19	.20	.19	.18	.18
5	.20	.18	.17	.20	.18	.17	.19	.18	.17	.19	.18	.17	.19	.17	.17	.16
6	.19	.17	.15	.18	.16	.15	.18	.16	.15	.17	.16	.15	.17	.16	.15	.14
7	.17	.15	.14	.17	.15	.14	.16	.15	.13	.16	.14	.13	.16	.14	.13	.13
8	.15	.14	.12	.15	.13	.12	.15	.13	.12	.15	.13	.12	.14	.13	.12	.12
9	.14	.12	.11	.14	.12	.11	.14	.12	.11	.13	.12	.11	.13	.12	.11	.10
10	.13	.11	.10	.13	.11	.10	.12	.11	.10	.12	.11	.10	.12	.11	.10	.09

20% FLOOR CAVITY REFLECTANCE

Conversion Factors: 2 Lt. 13W Quad Tube: White, C.U. x 1.5. 1 Lt 13W Quad Tube: Black, C.U. x 0.95; White, C.U. x 1.6. 100W A19: Black, C.U. x 1.15; White, C.U. x 1.75.

COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY 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	0
1	.94	.92	.91.	93	.91	.90	.89	.88	.87	.86	.85	.84	.83	.82	.82	.81
2	.90	.88	.86	.89	.87	.85	.86	.85	.83	.84	.83	.82	.82.	.81.	.80	.79
3	.87	.85	.83	.86	.84	.82	.84	.82	.81	.82	.81	.80	.81	.79	.78	.77
4	.84	.82	.79	.84	.81	.79	.82	.80	.78	.81	.79	.77	.79	.78	.77	.76
5	.82	.79	.77	.81	.78	.76	.80	.77	.76	.79	.77	.75	.78	.76	.75	.74
6	.80	.77	.75	.79	.76	.74	.78	.76	.74	.77	.75	.74	.76	.75	.73	.72
7	.77	.74	.72	.77	.74	.72	.76	.74	.72	.75	.73	.72	.75	.73	.71	.71
8	.75	.72	.70	.75	.72	.70	.74	.72	.70	.74	.71	.70	.73	.71	.69	.69
9	.73	.71	.69	.73	.70	.68	.73	.70	.68	.72	.70	.68	.71	.69	.68	.67
10	.72	.69	.67	.71	.69	.67	.71	.68	.67	.70	.68	.66	.70	.68	.66	.66

20% FLOOR CAVITY REFLECTANCE

Conversion Factors: 150W PAR38 FL: White, C.U. x 1.15. 150W BR40 FL: Black, C.U. x 1.0; White, C.U. x 1.15.

To convert lighting data for a lower wattage incandescent lamp of the **same type**, multiply the footcandle (or candlepower) values by the ratio of the lumens of the two lamps. The coefficients of utilization remain the same.

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