

## DESCRIPTION

The floating appearance of the Softside Cloud complements any décor with a non-glaring illumination. The low profile of the frameless diffuser allows the fixture to blend in with it's surroundings. The Softside Cloud is an ideal choice for most residential applications.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Construction

Housing is manufactured with die formed cold rolled steel. Ends are formed for added strength. Ballast cover is removable without tools.

### Finish

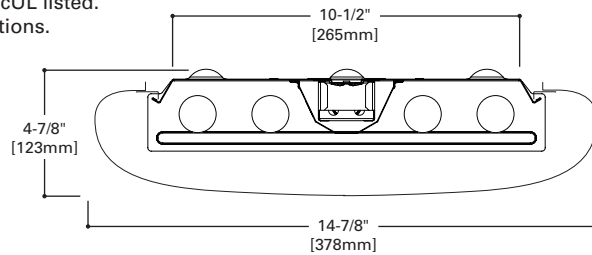
Multistage pre-paint ensures maximum bonding and rust prevention.

### Shielding

Utilizes a trademark Tuff'R'Puff commercial grade acrylic lens that is formulated to protect against lens breakage and 'yellowing' discoloration. Snap fit for ease of service and relamping.

### Electrical\*

120V Instant Start Residential Ballast. Rotor lock lampholders. Energy Star Listed. UL/cUL listed. Suitable for damp locations.

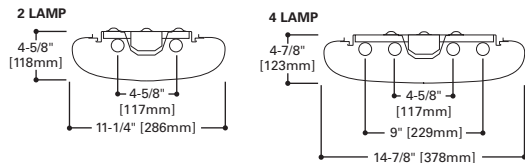


**WSC**  
**232R**  
**432R**

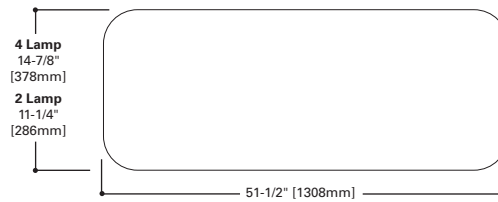
**1' X 4', 1-1/2' X 4'**  
**2 OR 4 T8 LAMPS**

Modular Fluorescent  
Softside Cloud

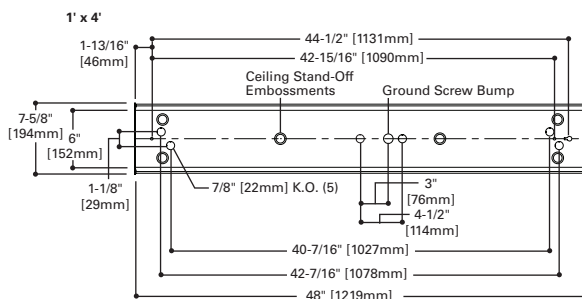
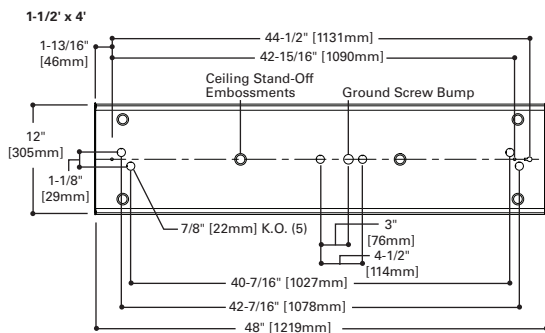
## LAMP CONFIGURATIONS



## LENS



## MOUNTING DATA



## ENERGY DATA

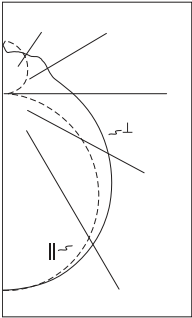
Input Watts:  
**EB Ballast & STD Lamps**  
232 (53)  
432 (105)

Luminaire Efficacy Rating  
**LER = FL-65**  
Catalog Number: WSC232R  
Yearly Cost of 1000 lumens,  
3000 hrs at .08 KWH = \$3.22

\*Reference the lamp/ballast data in the  
Technical Section for specific lamp/ballast  
requirements.

**LAMPS CONTAIN MERCURY. DISPOSE ACCORDING  
TO LOCAL, STATE OR FEDERAL LAWS**

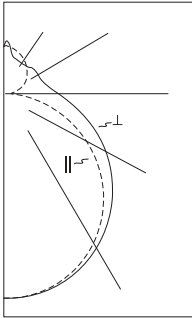
PHOTOMETRICS



**WSC-232**  
 Electronic Ballast  
 (2) F32T8 Lamps  
 2800 Lumens each  
 Spacing criterion:  
 (H) 1.3 x mounting  
 height, (L) 1.3 x  
 mounting height  
 Efficiency 70.5%  
 Test Report:  
 P20017  
 LER = FL64  
 Yearly Cost of 1000  
 lumens, 3000 hrs at  
 .08 KWH = \$3.28

**Candlepower**

Angle	Along H	45°	Across L
0	812	812	812
5	811	811	809
10	802	804	804
15	787	791	794
20	764	772	778
25	735	747	756
30	700	717	730
35	658	682	700
40	611	642	665
45	559	598	628
50	501	551	587
55	440	501	545
60	375	449	504
65	308	399	464
70	240	350	425
75	174	306	387
80	111	265	352
85	58	229	320
90	22	199	290



**WSC-432**  
 Electronic Ballast  
 (2) F32T8 Lamps  
 2800 Lumens each  
 Spacing criterion:  
 (H) 1.3 x mounting  
 height, (L) 1.3 x  
 mounting height  
 Efficiency 61.6%  
 Test Report:  
 P20021  
 LER = FL55  
 Yearly Cost of 1000  
 lumens, 3000 hrs at  
 .08 KWH = \$3.83

**Candlepower**

Angle	Along H	45°	Across L
0	1544	1544	1544
5	1542	1541	1543
10	1525	1528	1531
15	1496	1502	1510
20	1453	1465	1475
25	1399	1415	1429
30	1333	1365	1373
35	1254	1286	1309
40	1166	1207	1237
45	1069	1121	1159
50	962	1028	1075
55	848	929	988
60	728	828	898
65	604	725	807
70	479	624	715
75	355	526	626
80	238	435	544
85	134	358	473
90	61	299	416

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance																							
	80%				70%				50%				30%				10%				0%			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	79	79	79	79	75	75	75	75	68	68	68	61	61	61	55	55	55	52						
1	71	67	63	60	67	63	60	58	57	55	52	51	49	47	46	44	43	40						
2	64	58	52	48	60	55	50	46	49	45	42	44	41	38	39	37	35	32						
3	58	50	44	39	55	48	42	38	43	38	35	38	35	32	34	31	29	27						
4	53	44	38	33	50	42	36	32	38	33	29	34	30	27	30	27	24	22						
5	48	39	33	28	46	37	31	27	34	29	25	30	26	23	27	24	21	19						
6	44	35	29	24	42	33	27	23	30	25	22	27	23	20	25	21	18	16						
7	41	32	25	21	39	30	24	20	27	22	19	25	21	18	22	19	16	14						
8	38	29	23	19	36	27	22	18	25	20	17	23	19	16	20	17	14	13						
9	36	26	20	17	34	25	20	16	23	18	15	21	17	14	19	15	13	11						
10	33	24	19	15	31	23	18	14	21	17	13	19	15	13	17	14	12	10						

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance																							
	80%				70%				50%				30%				10%				0%			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	70	70	70	70	67	67	67	67	61	61	61	55	55	55	50	50	50	48						
1	63	59	56	54	59	56	54	51	51	49	47	46	45	43	42	41	40	37						
2	57	51	46	43	54	49	45	41	44	41	38	40	37	35	36	34	32	30						
3	51	44	39	35	48	42	38	34	39	35	31	35	32	29	32	29	27	25						
4	47	39	34	29	44	37	32	28	34	30	26	31	27	25	28	25	23	21						
5	43	35	29	25	41	33	28	24	30	26	23	28	24	21	25	22	20	18						
6	39	31	26	22	37	30	25	21	27	23	20	25	21	18	23	20	17	16						
7	36	28	23	19	35	27	22	18	25	20	17	23	19	16	21	18	15	14						
8	34	26	20	17	32	25	20	16	23	18	15	21	17	14	19	16	13	12						
9	32	23	18	15	30	22	18	14	21	17	14	19	15	13	17	14	12	11						
10	30	21	17	13	28	21	16	13	19	15	12	18	14	12	16	13	11	10						

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	645	11.5	16.3
0-40	1071	19.1	27.1
0-60	1976	35.3	50.1
0-90	2908	51.9	73.7
0-180	3947	70.5	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	1885	1769	1654
55	1769	1687	1579
65	1593	1617	1547
75	1317	1619	1575
85	867	1825	1738

Zonal Lumen Summary

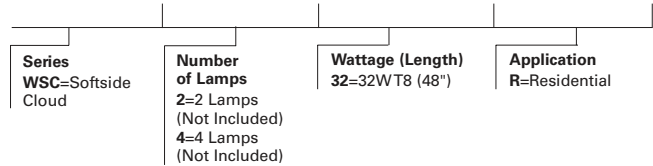
Zone	Lumens	%Lamp	%Fixture
0-30	1225	10.9	17.7
0-40	2029	18.1	29.4
0-60	3719	33.2	53.9
0-90	5334	47.6	77.3
0-180	6902	61.6	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2789	2664	2529
55	2636	2545	2419
65	2414	2431	2331
75	2075	2366	2289
85	1543	2564	2458

ORDERING INFORMATION

SAMPLE NUMBER: WSC232R



Series  
WSC=Softside  
Cloud

Number of Lamps  
2=2 Lamps  
(Not Included)  
4=4 Lamps  
(Not Included)

Wattage (Length)  
32=32W T8 (48')

Application  
R=Residential

NOTES: For complete product data, reference the Fluorescent Specification binder. Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

SHIPPING DATA

Catalog No.	Wt.
WSC232R	13 lbs.
WSC432R	17 lbs.