

### Extra Shallow X-CELL Parabolic Downlights

#### Features

##### Lamp

- Designed for:
  - 2 horizontal Twin Tube 13 watt: SR91250.
  - 2 horizontal Quad 26 watt: SR91251.
- 2 pin GX23 base: SR91250.
- 2 pin G24d-3 base: SR91251.
- See Option -43 for lower wattage.

##### Ballast

- Thermally protected, encased and potted standard.
- High power factor standard.
- Single circuit wiring. Optional two-circuit wiring. (See Option -84)
- 120 volt standard or see optional voltages.
- Dimming optional for SR91251. (See Option -39)
- Electronic optional for SR91251. (See Option -96)

##### Fuse

- Available as Option -FS (single) or -FD (double).

##### Reflector

- Self-flanged low iridescence specular Alzak® aluminum reflector with 4-cell parabolic cross-baffle.
- Optional white finish (Option -30).

##### Housing

- Seamless, white acrylic enameled aluminum.
- No visible cylinder hardware.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.

##### Installation

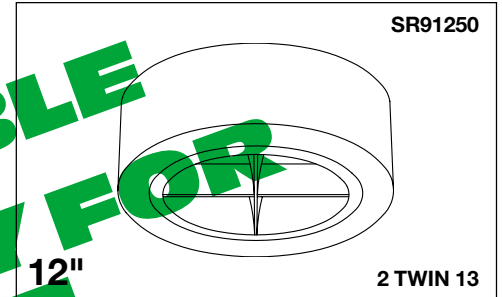
- Center point mounting with snug fit to ceiling. Mounting hardware furnished.
- Indoor or outdoor for covered ceiling use.
- Collar for mounting beneath surface outlet box available. (Option -80)

##### UL, C-UL (Canada) Listings

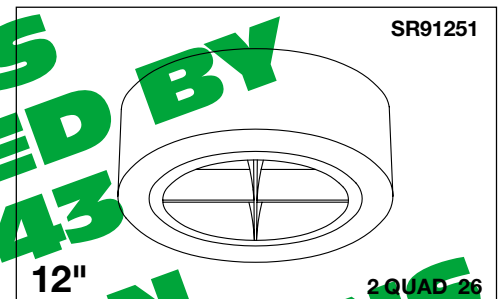
- Wet, damp or dry locations, covered ceilings.

##### Three Year Limited Warranty

- Complete standard fixture.



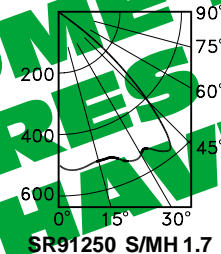
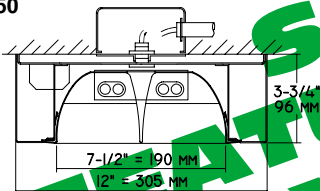
**Shallow Profile  
61% Efficiency**



**Extra Low Brightness**

#### Performance at a Glance

SR91250

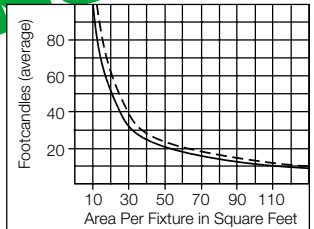


SR91250 S/MH 1.7

Ft.	FC	Dia.
6	13.7	9.8
8	7.7	13.0
10	4.9	16.3
12	3.4	19.5
14	2.5	22.8
16	1.9	26.0

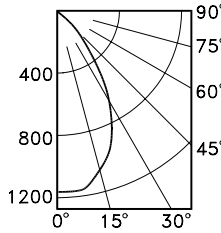
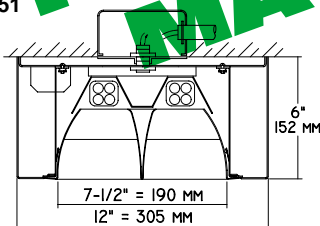
SR91250

Multiple Fixture FC Calculator \*\*



SR91250 — SR91251 - - -

SR91251



SR91251 S/MH 1.0

Ft.	FC	Dia.
6	31.9	5.4
8	17.9	7.2
10	11.5	9.0
12	8.0	10.9
14	5.9	12.7
16	4.5	14.5

SR91251

##### Cone of Light Key

- Ft. Distance from fixture
- FC Footcandles (average)
- Dia. Circle of light at 50% of FC

\* Dia. (in ft.) shown is where FC value is half the FC at nadir.  
 \*\* Based on RCR2; ceiling 70%; wall 50%; floor 20%. Use S/MH shown for each fixture.  
 Distribution curves and S/MH data shown are 90° to lamp axis.

## THE KIRLIN COMPANY

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**CENTURY SERIES  
 ARCHITECTURAL  
 COMPACT FLUORESCENT LIGHTING**

MAXIMUM WATTAGE

**2 Twin 13  
 2 Quad 26**

CATALOG NUMBERS

**SR91250  
 SR91251**

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) SR91250: TEST NUMBER 39196  
SR91251: TEST NUMBER 42081

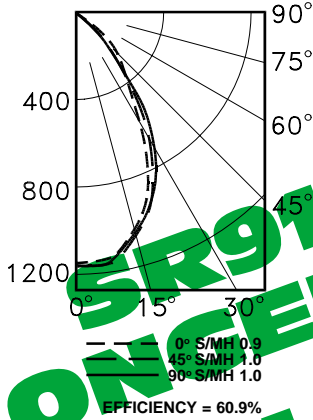
SR91250 \*LER = 24.8  
•AEC = \$9.68

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1147	1147	1147	1147	1147
5	1135	1138	1146	1156	1158
15	1010	1017	1021	1020	1014
25	763	778	788	807	811
35	489	456	467	481	493
45	271	203	169	141	154
55	68	49	39	28	34
65	3	3	4	3	2
75	1	1	0	2	1
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20					
	80		50		10	
70	50	30	10	50	30	10
0	39	38	37	36	35	34
1	36	35	33	32	33	31
2	34	32	30	29	31	28
3	33	30	28	26	29	26
4	31	28	26	24	27	24
5	29	26	24	22	25	22
6	27	24	22	20	23	20
7	26	22	20	19	22	19
8	25	21	19	17	21	17
9	23	20	18	16	19	16



\*LER = Lumen Efficacy Ratio  
LER = Luminaire Efficacy (lm/w) x Ballast Factor

• AEC = Annual Energy Cost per 1000 lumens (based on 2000 hours use @ \$0.08/kwh).

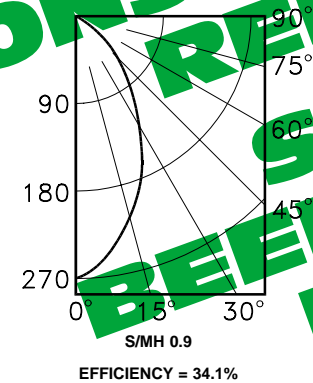
SR91251 \*LER = 17.7  
•AEC = \$13.58

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	270	270	270	270	270
5	263	263	263	263	262
15	222	223	222	221	219
25	166	168	163	165	162
35	108	109	105	108	108
45	57	58	57	57	56
55	27	29	27	27	28
65	13	12	12	12	12
75	4	5	5	5	5
85	1	1	1	1	2
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20					
	80		50		10	
70	50	30	10	50	30	10
0	40	38	37	36	36	35
1	37	35	33	32	33	31
2	35	32	30	28	30	27
3	32	29	27	25	28	24
4	30	27	24	22	26	22
5	29	25	22	20	24	20
6	27	23	20	19	22	19
7	25	21	19	17	21	17
8	24	20	18	16	19	16
9	23	19	16	15	18	15



\*LER = Lumen Efficacy Ratio  
LER = Luminaire Efficacy (lm/w) x Ballast Factor

• AEC = Annual Energy Cost per 1000 lumens (based on 2000 hours use @ \$0.08/kwh).

Options

- 30 Entire X-CELL reflector assembly painted white.
- 35 Silver enameled housing finish instead.
- 36 Gold enameled housing finish instead.
- 37 Dark Bronze enameled housing finish instead.
- 38 Black enameled housing finish instead.
- 39 Installed Quad electronic dimming ballast for SR91251. Consult factory for quantity and type required. Also see Options -LE and -WD.
- 43 Lower wattage: Specify 2T19 (SR91250); 2Q18 (SR91251).
- 45 Gasket above reflector flange (between flange and housing).
- 58 277 volt 60 Hz. ballast instead.
- 75 Remote emergency "Ni-Cad" battery pack
- (SR91251 only) Controls one lamp. Four feet of flex provided for maximum mounting distance. For indoor use.
- 80 2" extension collar for mounting beneath surface outlet box. Finish matches housing color.
- 84 Fixture wired for two circuits. See Options -FD and -RD.
- 94 Custom color housing / parabolic reflector. Specify parts. Consult factory.
- 96 Regulating electronic high power factor 0°F single circuit ballast instead for SR91251. See Options -84 and -LE.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory for dimming.
- 99 Special modification. Consult factory.
- FD Double Fused primary. One per ballast. Replaceable. For use with Option -84.
- FS Fused primary. One per fixture. Replaceable. Aids servicing.
- LE With 4-pin electronic lamps for use with Options -39 or -96 (SR91251). 2700°K or consult factory. Specify wattage and color temperature.
- LP With lamps. 2700°K or consult factory. Specify wattage and color temperature. Also see -LE
- RD Double radio interference filter. For use with Option -84.
- RF Radio interference filter. Eliminates line feedback.
- WD Wall Dimmer for use with Option -39 (SR91251).

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME \_\_\_\_\_  
 TYPE \_\_\_\_\_  
 WATTAGE \_\_\_\_\_ VOLTAGE \_\_\_\_\_  
 CATALOG NUMBER \_\_\_\_\_

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, E.C., IN NORMAL USE. Manufacturer at his option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the office of manufacturer within the years of original shipment. Liability of manufacturer is limited to the foregoing, and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied on the understanding that other warranties, expressed or implied, shall not be construed to modify or limit this warranty. Seller does not warrant as to merchantability or fitness for a particular use, nor liability of statement constitute a warranty or amend the specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will void the warranty.