

### Shallow Surface Regressed Lens

#### Features

##### Lamp

- Designed for:
  - 2 horizontal Twin Tube 13 watt: SR90953.<sup>1</sup>
  - 2 horizontal Quad 26 watt: SR91254.
- 2 pin GX23 base: SR90953.
- 2 pin G24d-3 base: SR91254.
- See Option -43 for power factor correction.

##### Ballast

- Thermally protected, enclosed and powder coated standard.
- High power factor ballast.
- Single or double optional two-wire ballast (Option -84).
- 120V standard or see optional ballast for other voltages.
- Dimming optional for SR91254. (See Option -39)
- Electronic optional for SR91254. (See Option -96)

##### Fuse

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

##### Reflector

- Specular Aluminized reflector.

##### Trim Assembly

- Seamless tapered black OptiGroove with white flange. Self-flanged trim.

- Regressed, automatic tempered glass lens with 3-7/8" spread.
- Optional white flange and aggregate louver. See OptiGroove.
- Available with Holographic or clear polycarbonate available in 5' increments.

##### Mounting

- Seamless, thin-walled, enameled iron or aluminum.
- Visible cylinder hardware.
- Cool: Dissipates heat across entire surface area.
- Rust proof. Exceeds 1000 hours AS 15% salt spray test.

##### Installation

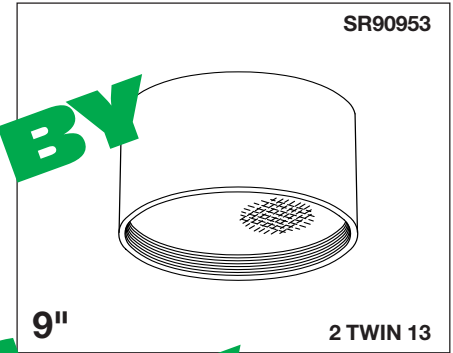
- Center mounting with snug fit.
- Includes mounting hardware for ceiling, wall or outdoor for use.
- Ceiling for mounting to surface outlet box available (Option -80).
- For ceiling or wall bracket optional.

##### UL (Canada) Listing

- Wet, damp or dry locations, dry ceilings. (See Option -84)

##### Three Year Limited Warranty

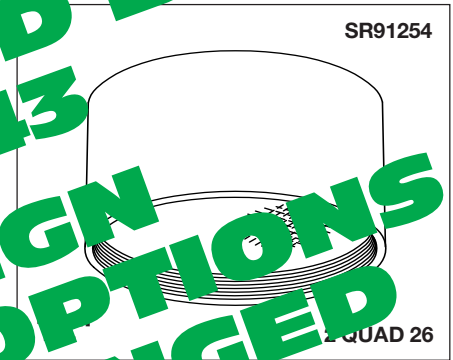
- Covers standard fixture.



9"

2 TWIN 13

Streamlined Profile



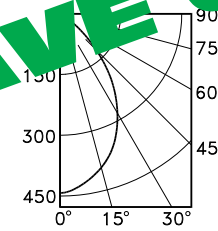
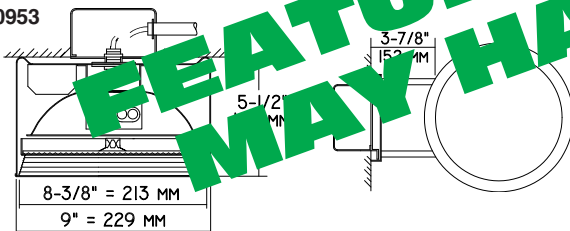
SR91254

2 QUAD 26

Dimming Electronic Available

#### Performance at a Glance

SR90953



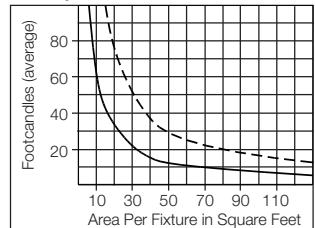
SR90953 S/MH 1.0

**Cone of Light\***

Ft.	FC	Dia.
6	12.2	5.8
8	6.9	7.7
10	4.4	9.7
12	3.0	11.6
14	2.2	13.6
16	1.7	15.5

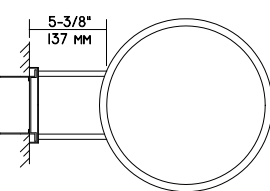
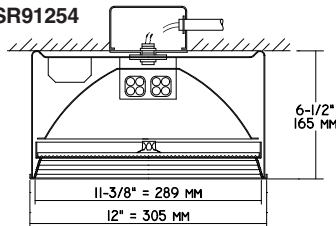
SR90953

Multiple Fixture FC Calculator \*\*

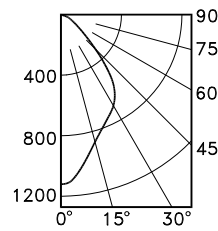


SR90953 — SR91254 - - -

SR91254



Note: Plan Views shown with optional wall bracket (Option -WB)



SR91254 S/MH 1.2

**Cone of Light\***

Ft.	FC	Dia.
6	30.0	5.4
8	16.9	7.2
10	10.8	9.0
12	7.5	10.8
14	5.5	12.6
16	4.2	14.4

SR91254

#### 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.

Note: Housing depth (SR91254) increases to 7-5/8" with Option -39, -73 or -74.

## THE KIRLIN COMPANY

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CENTURY SERIES  
ARCHITECTURAL  
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

2 Twin 13  
2 Quad 26

CATALOG NUMBERS

SR90953  
SR91254

THE KIRLIN COMPANY RESERVES THE RIGHT TO CHANGE, WITHOUT NOTICE, DETAILS OR SPECIFICATIONS IN PRODUCT DESIGN.

<sup>1</sup> Lamp length (SR90953) must not exceed 7-1/4".  
Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

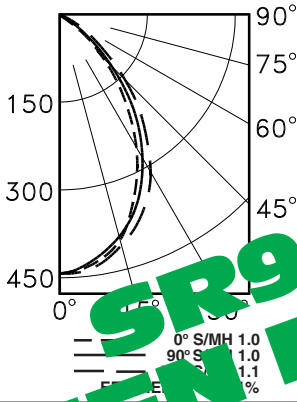
FROM I.T.L. (BOULDER, CO) SR90953: TEST NUMBER 42372  
SR91254: TEST NUMBER 40097

SR90953

\*LER = 14.7  
•AEC = \$16.33

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



	0.0	45.0	90.0	135.0	180.0
0	439	439	439	439	439
5	434	431	433	433	
15	393	387	388	391	
25	312	316	327	330	
35	213	225	246	258	271
45	119	129	136	162	186
55	69	72	75	93	109
65	38	41	42	51	60
75	0	0	0	9	30
90	0	0	0	0	0

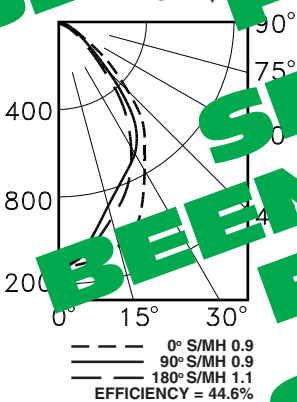
RF	20						
	80			50			
1	70	50	30	10	50	30	10
2	40	30	20	10	37	36	35
3	38	28	20	10	32	32	31
4	35	27	20	10	28	29	28
5	33	29	27	25	28	26	25
6	31	27	24	22	26	24	22
7	29	25	22	20	24	22	20
8	27	23	20	18	22	20	18
9	25	21	19	17	21	18	17
10	24	20	17	15	19	17	15
11	23	18	16	14	18	16	14

SR91254

\*LER = 22.0  
•AEC = \$16.33

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



	0.0	45.0	90.0	135.0	180.0
0	1079	1079	1079	1079	1079
15	1047	1033	1034	1082	
25	870	865	874	939	1003
35	520	551	600	670	
45	308	343	386	403	411
55	189	209	255	217	
65	98	108	155	185	217
75	49	68	76	86	99
85	19	21	27	29	34
90	0	0	0	2	9

RF	20					
	80			50		
1	50	30	10	50	30	10
2	48	47	45	45	44	43
3	46	43	41	39	41	39
4	43	40	38	37	35	33
5	40	38	36	34	33	31
6	38	37	35	34	33	31
7	36	35	33	32	31	29
8	34	33	31	30	29	27
9	33	32	30	29	28	26
10	32	31	29	28	27	25
11	31	30	28	27	26	24
12	30	29	27	26	25	23
13	29	28	26	25	24	22
14	28	27	25	24	23	21
15	27	26	24	23	22	20
16	26	25	23	22	21	19
17	25	24	22	21	20	18
18	24	23	21	20	19	17
19	23	22	20	19	18	16
20	22	21	19	18	17	15

Options

- 13 Clear 1/8" flat polycarbonate below lens. With tempered prismatic flat C#73 lens above lens.
- 17 Prismatic 3/16" high strength polycarbonate lens.
- 18 Anopal flat glass lens with regressed flaring. Diffusing.
- 20 White 1/2" grooved aluminum trim with regressed tempered C#73 or specify optional lens.
- 21 White translucent flat polycarbonate lens.
- 35 Silver enameled housing finish.
- 36 Gold enameled housing finish.
- 37 Dark Bronze enameled housing finish.
- 38 Black enameled housing finish.
- 39<sup>1</sup> Installed Q26 or Q18 (with Option -43) electronic dimming ballast for SR91254 only. Consult factory for quantity and type required. Also see -LE and -WD. Housing: 7-5/8".
- 40 White grooveless flare trim with regressed tempered C#73 or specify optional lens.
- 43 Lower wattage: Specify 2TT9 (SR90953); 2Q18 or 2TT13 (SR91254).
- 45 Gasket between trim and housing.
- 46 Gasket between trim and lens.
- 58 1/2" diameter electronic ballast instead of 3/4" diameter emergency "Ni-Cad" battery pack concealed in housing. Controls one lamp with emergency light located above lens. Note: Housing depth 7-5/8".
- 74<sup>1</sup> 1/2" diameter lamp emergency "Ni-Cad" battery pack for use with 4-pin electronic lamps only (SR91254). Use with Option -96. Housing: 7-5/8".
- 75 Remote emergency "Ni-Cad" battery pack. Controls one lamp. Four feet of flex provided for maximum mounting distance. For indoor use.
- 76 Drop white acrylic diffuser instead (SR90953).
- 80 2" extension collar for mounting beneath surface outlet box. Finish matches housing color.
- 84 Fixture wired for two circuits. See -FD and -RD.
- 87 Custom -PM length. Specify up to 5 feet or consult factory. Use with Option -PM.
- 88 Swivel canopy for sloped ceilings up to 45°. Earthquake rated. Use with Option -PM.
- 89 Weather Cap - required when luminaire is installed without covered ceiling protection.
- 94 Custom color. Specify part(s). Consult factory.
- 96 Regulating electronic high power factor 0°F single circuit Quad ballast (SR91254). See Options -74, -84 and -LE.
- 97 Other voltage ballast. Consult factory.
- 99 Special modification. Consult factory.
- FD Double Fused primary. Replaceable. Use with -84.
- FR Fresnel tempered lens instead. Concentric prisms.
- FS Fused primary. Replaceable. Aids servicing.
- FT Flat white trim instead. With tempered prismatic C#73 spread lens or specify other lens.
- HO Holophane concave prismatic tempered lens.
- LE With 4-pin electronic lamps for use with Options -39, -74 or -96 (SR91254 only). 2700°K or consult factory. Specify wattage and color temperature.
- LP<sup>2</sup> With lamps. 2700°K or consult factory. Specify wattage and color temperature. Also see -LE.
- PM Pendant mount instead. 3/8" T.S. (1/2" T.S. with -75) x 8" standard. Also see Options -87 and -88.
- RD Double radio interference filter. For use with -84.
- RF Radio interference filter. Eliminates line feedback.
- WB Wall bracket mount instead. Also see Option -89.
- WD Wall Dimmer for use with Option -39 (SR91254).

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME \_\_\_\_\_

TYPE \_\_\_\_\_

WATTAGE \_\_\_\_\_ VOLTAGE \_\_\_\_\_

CATALOG NUMBER \_\_\_\_\_

<sup>1</sup> Housing depth (SR91254) increases to 7-5/8" with Option -39, 73 or -74.  
<sup>2</sup> Lamp length (SR90953) must not exceed 7-1/4".

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, NORMAL USE, MANUFACTURER AT HIS OPTION WILL REPAIR OR REPLACE SUCH FIXTURE OR RETURN TO THE PURCHASER AT HIS OPTION. THIS WARRANTY IS LIMITED TO THE ORIGINAL PURCHASER AND DOES NOT COVER DAMAGE TO THE FIXTURE OR MATERIALS CAUSED BY IMPROPER INSTALLATION, MISUSE, ABUSE, OR MODIFICATION OF THE FIXTURE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MANUFACTURER. THE PURCHASER SHALL NOT BE HELD LIABLE FOR ANY OTHER DAMAGES, DIRECT OR INDIRECT, SUSTAINED OR SUFFERED BY PURCHASER OR ANY PERSON. THIS WARRANTY IS SUPPLIED AS IS AND WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. NO WARRANTY OR STATEMENT CONSTITUTE A WARRANTY OR AGREEMENT TO 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.

\* LER = Luminaire Efficacy Rating  
LER = Luminaire Efficacy x Total Lamp Lumens x Ballast Factor  
Input Watts

\* AEC = Annual Energy Cost per 1000 lumens  
hours use @ 1008 KW