

Surface-Pendant-Wall Bracket

Features

Lamp

- Designed for:
 - 2 horizontal Twin Tube 13 watt: SR90948
 - 2 horizontal Quad 26 watt: SR91249
- 2 pin GX23 base: SR90948
- 2 pin G24d-3 base: SR91249
- 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 SR91249. (See -39)
- Electronic optional for SR91249. (See -96)

Fuse

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

Reflector

- Self-flanged low iridescence specular Alzak® aluminum.
- White grooveless regressed open flare (SR91249).

- Optional SoftTex softly etched Clear, Dune, Champagne Gold or Wheat available.
- Optional OptiGroove assembly available.

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

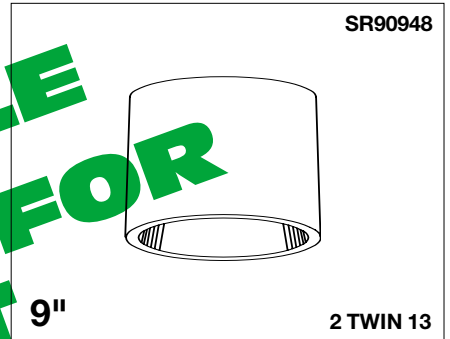
- Center point mounting with snug fit to ceiling. Mounting hardware furnished.
- Indoor or outdoor for covered ceiling use.
- Collar for mounting beneath surface outlet box available. (Option -80)
- Pendant mount available. (Option -PM)
- Wall bracket mount available. (Option -WB)

UL, C-UL (Canada) Listings

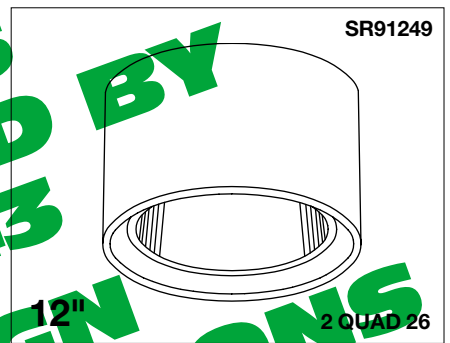
- Wet, damp or dry locations, covered ceilings.

Three Year Limited Warranty

- Complete standard fixture.



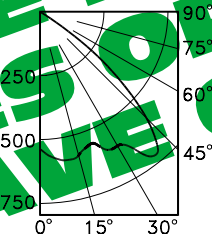
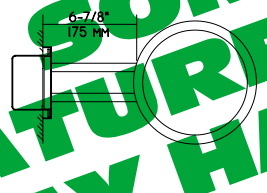
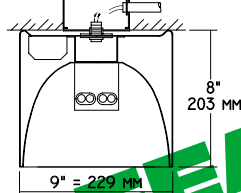
88% Efficiency



Dimming Optional

Performance at a Glance

SR90948

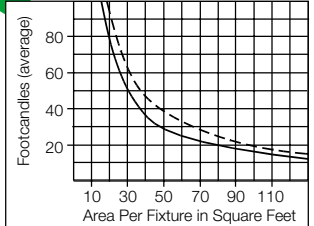


Cone of Light*

Ft.	FC	Dia.
6	15.2	16.0
8	8.5	22.0
10	5.5	27.0
12	3.8	33.0
14	2.8	38.0
16	2.1	43.0

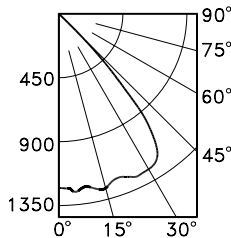
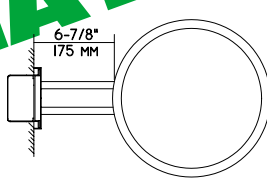
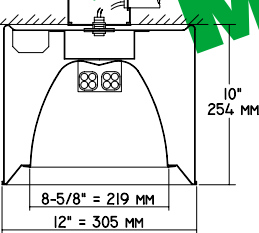
SR90948

Multiple Fixture FC Calculator **



SR90948 — SR91249 - - -

SR91249



Cone of Light*

Ft.	FC	Dia.
6	33.4	7.7
8	18.8	10.3
10	12.0	12.9
12	8.3	15.5
14	6.1	18.1
16	4.7	20.7

SR91249

* Dia. (in ft.) shown is where FC value is half the FC at nadir.

Cone of Light Key

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

** 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

SR90948
SR91249

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

* Lamp length (SR90948) must not exceed 7 1/2".
Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) SR90948: TEST NUMBER 30493
SR91249: TEST NUMBER 38278

SR90948

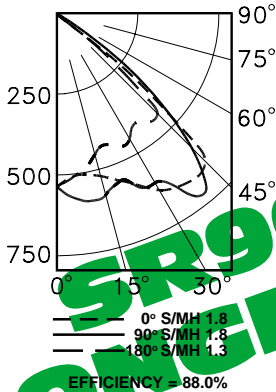
*LER = 35.8
•AEC = \$6.70

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	547	547	547	547	547
5	552	576	601	584	540
15	556	628	627	622	506
25	635	666	618	620	489
35	676	811	669	712	446
45	676	611	595	574	446
55	205	178	211	185	85
65	5	5	6	6	2
75	2	2	2	2	2
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
	70	50	30	10	50	30	10
1	99	96	93	91	90	89	87
2	93	88	84	80	84	81	78
3	87	80	75	71	77	72	69
4	81	73	67	63	70	65	62
5	76	67	60	56	64	59	55
6	70	60	54	49	58	53	48
7	64	54	47	43	52	46	42
8	59	48	42	37	47	41	37
9	54	43	37	32	42	36	32
10	50	39	32	28	38	32	28



SR91249

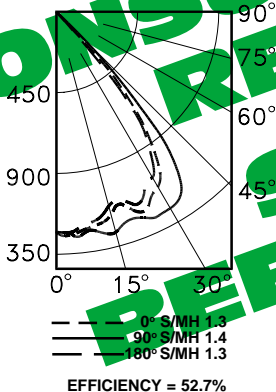
*LER = 27.3
•AEC = \$8.79

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	1202	1202	1202	1202	1202
5	1222	1212	1212	1201	1205
15	1164	1252	1253	1231	1128
25	1171	1210	1237	1182	1126
35	909	1056	1118	1039	870
45	270	314	322	308	229
55	10	4	3	4	6
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
	70	50	30	10	50	30	10
1	60	58	57	55	55	54	53
2	56	53	51	49	51	49	48
3	53	49	46	44	47	45	43
4	50	45	42	40	44	41	39
5	47	42	39	36	40	38	35
6	44	39	35	33	38	35	32
7	41	36	32	30	35	32	30
8	39	33	30	27	32	29	27
9	37	31	28	25	30	27	25
10	35	29	26	23	28	25	23



Estimated Multipliers

- 70 SoftTex Clear: CP x .93
- 71 SoftTex Dune: CP x .87
- 74, -84, and -LE
- 90 SoftTex Champagne Gold: CP x .99
- 91 SoftTex Wheat: CP x .87
- 96 Black OptiGroove: CP x .75

Options

- 31 White flange (only) on reflector.
- 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 SR91249. Consult factory for quantity and type required. Also see Options -LE and -WD.
- 43 Lower wattage: Specify 2TT9 (SR90948); 2Q18 or 2TT13 (SR91249).
- 45 Gasket between reflector flange and housing.
- 58 277 volt 60 Hz. ballast instead.
- 70 SoftTex Clear self-flanged reflector. (CP x .93)
- 71 SoftTex Dune self-flanged reflector. (CP x .87)
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing (SR91249 only). Controls one lamp. Switch and light unobtrusively located inside reflector. Indoor use.
- 74 Internal 2 lamp emergency "Ni-Cad" battery pack for use with 4-pin electronic lamps only (SR91249 only). Use with Option -96.
- 75 Remote emergency "Ni-Cad" battery pack for SR90948. Controls one lamp. 4' of flex provided for max. mounting distance. Indoor use.
- 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°.
- 89 Earthquake rated. Use with Option -PM.
- 89 Weather Cap - required when luminaire is installed without covered ceiling protection.
- 90 SoftTex Champagne Gold self-flanged reflector. (CP x .90)
- 91 SoftTex Wheat self-flanged reflector. (CP x .87)
- 94 Specular Pewter or other specified custom color self-flanged reflector. Consult factory.
- 96 Regulating electronic HPF 0°F single circuit Quad ballast instead (SR91249 only). Also see Options -74, -84, and -LE.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead (SR91249 only). Consult factory for dimming.
- 99 Special modification. Consult factory.
- FD Double Fused primary. Replaceable. Use with -84.
- FS Fused primary. Replaceable. Aids servicing.
- LE With 4-pin electronic lamps for use with Options -74 or -96 (SR91249). 2700°K or consult factory. Specify wattage and color temperature.
- LP¹ With lamps. 2700°K or consult factory. Specify wattage and color temperature. Also see -LE.
- OG OptiGroove black seamless tapered aluminum assembly. White trim, self-flanged. (CP x .75)
- 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 -89.
- WD Wall Dimmer for use with Option -39 (SR91249).

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____

¹ Lamp length (SR90948) must not exceed 7 1/4".

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP FOR THE LIFE OF THE PRODUCT. THE PURCHASE PRICE OR PRESENTATION OF PROOF OF PURCHASE AND DEFECTIVE FIXTURE AT THE OFFICE OF THE MANUFACTURER WITHIN THE REAR YEARS OF ORIGINAL INCEPTION WILL ENTITLE THE PURCHASER TO A REPLACEMENT OF THE DEFECTIVE FIXTURE AT THE DISCRETION OF THE MANUFACTURER. THIS WARRANTY IS SUPPLIED FOR THE CONVENIENCE OF THE PURCHASER AND DOES NOT CONSTITUTE A WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. MANUFACTURER'S LIABILITY IS LIMITED TO THE PURCHASE PRICE OF THE DEFECTIVE FIXTURE. MANUFACTURER'S LIABILITY IS LIMITED TO THE PURCHASE PRICE OF THE DEFECTIVE FIXTURE. MANUFACTURER'S LIABILITY IS LIMITED TO THE PURCHASE PRICE OF THE DEFECTIVE FIXTURE. MANUFACTURER'S LIABILITY IS LIMITED TO THE PURCHASE PRICE OF THE DEFECTIVE FIXTURE.

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

• AEC = Annual Energy Cost per 1000 lumens (based on \$0.08 kWh) hours use @ \$0.08 kWh