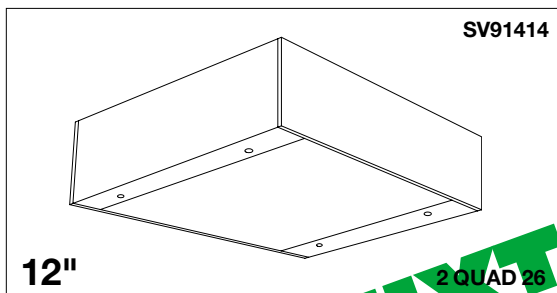
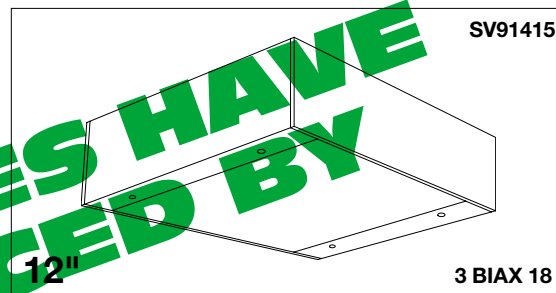


For Canopies, Corridors and Vestibules



60% Efficiency



52% Efficiency

Available with 2-32 Watt T-8 (See Option -43)

Features

Lamps

- Designed for:
SV91414: 2 horizontal Q26 watt.
SV91415: 3 horizontal Biax 18 watt.
- See Option -43 for lower wattage.

Ballast

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

Fuse

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

Reflector

- Full-size formed specular reflector with minimum 94% reflectivity.
- Removable for servicing.

Lens

- High strength acrylic prismatic, .187" thickness standard.
- Retained by non-removable tempered aluminum lens clamps with captive nuts and four flush-mounted center-pin tamper-proof screws.
- Polycarbonate overlay (1/4" thickness) available. (See Option -13)
- Injection molded polycarbonate drop lens available. Bissymmetric distribution. (See Option -42)
- Linear lens with high-angle bisymmetric distribution available. (See Option -LL.)

Housing

- Super-strong 6063-T6 tempered extruded aluminum.

- White polyester enamel finish.

- Recommended for prisons, detention areas, psychiatric facilities, parking garages - any area of high vandalism.
- Rustproof. Exceeds 1000 hour ASTM 5% salt spray test.

Installation

- Installs indoor or outdoor on all ceilings, covered locations.
- Access hole is 7/8" diameter with 1/2" diameter mounting holes.
- Secure with 3/8" lag or molly bolts to ceiling support structure.
- Tamper-proof tools included, minimum one per ten fixtures.

UL, C-UL (Canada) Listings

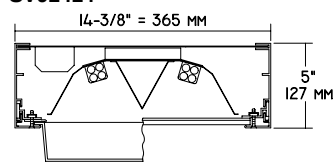
- Wet, damp or dry locations, covered ceilings.

Three Year Limited Warranty

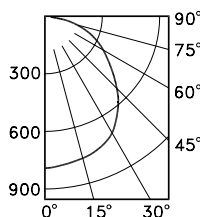
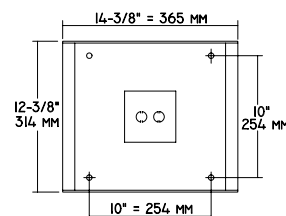
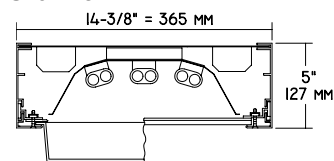
- Complete standard fixture.

Performance at a Glance

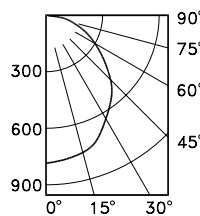
SV91414



SV91415



SV91414 S/MH 1.3



SV91415 S/MH 1.2

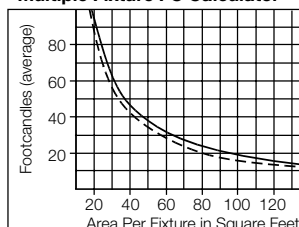
Ft.	FC	Dia.
6	22.2	7.0
8	12.5	9.3
10	8.0	11.6
12	5.6	14.0
14	4.1	16.3
16	3.1	18.6

SV91414

Ft.	FC	Dia.
6	22.3	6.5
8	12.5	8.7
10	8.0	10.9
12	5.6	13.1
14	4.1	15.2
16	3.1	17.4

SV91415

Multiple Fixture FC Calculator **



SV91414 — SV91415 - - -

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 curve and S/MH data shown are 90° to lamp axis.

THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121

CENTURY SERIES
VANDAL RESISTANT
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

2 Quad 26
3 Biax 18

CATALOG NUMBERS

SV91414
SV91415

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

SV91414

SV91415

SURFACE VANDAL RESISTANT: QUAD 26 and BIAx 18 SQUARE DOWNLIGHTS

KIRLIN

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO)

SV91414: TEST NUMBER 40934

SV91414-42: TEST NUMBER 40935

SV91414-LL: TEST NUMBER 40936

SV91415: TEST NUMBER 40931

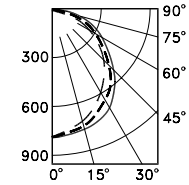
SV91415-42: TEST NUMBER 40932

SV91415-LL: TEST NUMBER 40933

SV91414

*LER = 31.5

•AEC = \$7.63



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	800	800	800	800	800
5	799	804	804	802	792
15	762	786	776	770	734
25	689	736	730	711	652
35	590	656	639	631	558
45	476	545	523	530	452
55	347	418	396	411	340
65	222	283	262	280	222
75	105	142	124	140	108
85	17	27	20	25	19
90	0	0	0	0	0

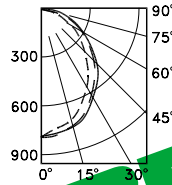
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	66	63	61	59	60
2	60	55	51	48	52
3	55	49	44	40	46
4	50	43	38	34	41
5	46	39	33	29	37
6	43	35	29	26	33
7	40	32	26	23	30
8	37	29	24	20	28
9	35	27	22	18	25
10	32	24	20	17	24

EFFICIENCY = 60.7%

SV91415

*LER = 26.1

•AEC = \$9.18



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	802	802	802	802	802
5	786	797	799	803	810
15	718	749	753	766	759
25	617	668	673	691	670
35	509	562	568	594	566
45	387	448	451	483	453
55	257	328	333	365	339
65	132	209	214	243	220
75	77	96	101	117	108
85	12	14	15	22	22
90	0	0	0	0	0

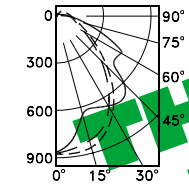
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	57	55	53	51	51
2	52	48	45	42	45
3	48	42	38	35	40
4	44	38	33	30	36
5	40	34	29	26	32
6	37	31	26	23	29
7	35	28	23	20	27
8	32	25	21	18	24
9	30	23	19	16	23
10	28	22	18	15	21

EFFICIENCY = 52.1%

SV91414-42

*LER = 31.4

•AEC = \$7.66



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	800	800	800	800	800
5	799	804	804	802	792
15	762	786	776	770	734
25	689	736	730	711	652
35	590	656	639	631	558
45	476	545	523	530	452
55	347	418	396	411	340
65	222	283	262	280	222
75	105	142	124	140	108
85	17	27	20	25	19
90	0	0	0	0	0

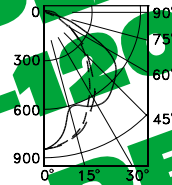
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	66	63	61	59	60
2	60	55	51	48	52
3	55	49	44	40	46
4	50	43	38	34	41
5	46	39	33	29	37
6	43	35	29	26	33
7	40	32	26	23	30
8	37	29	24	20	28
9	35	27	22	18	25
10	32	24	20	17	24

EFFICIENCY = 60.5%

SV91415-42

*LER = 27.6

•AEC = \$8.70



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	838	838	838	838	838
5	805	781	775	792	810
10	582	538	533	579	624
15	367	373	365	440	503
20	217	227	227	310	385
25	119	125	125	169	211
30	65	65	65	95	117
35	35	35	35	50	61
40	19	19	19	27	33
45	10	10	10	14	17
50	5	5	5	7	9
55	2	2	2	3	4
60	1	1	1	1	1
65	0	0	0	0	0
70	0	0	0	0	0
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

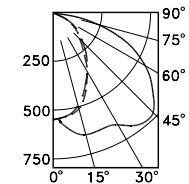
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	59	57	55	53	51
2	54	50	46	43	46
3	50	44	40	36	41
4	45	39	35	31	36
5	42	35	30	27	32
6	39	32	27	23	28
7	36	29	24	21	25
8	33	26	22	18	22
9	31	24	20	17	21
10	28	22	18	15	21

EFFICIENCY = 55.0%

SV91414-LL

*LER = 30.8

•AEC = \$7.80



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	557	557	557	557	557
5	555	570	561	578	547
15	506	550	538	560	481
25	382	459	441	460	381
35	263	339	317	336	267
45	168	224	211	222	173
55	105	148	136	146	109
65	67	94	86	91	68
75	37	51	46	48	37
85	6	9	8	8	6
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	64	61	59	56	58
2	58	53	49	45	50
3	48	41	35	31	38
4	43	36	31	26	34
5	41	32	27	23	31
6	37	29	24	20	28
7	35	26	21	18	25
8	32	24	19	16	23
9	30	22	17	14	21
10	28	20	15	12	19

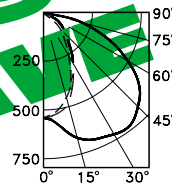
EFFICIENCY = 59.4%

* LER = Luminaire Efficiency Rating
 LER = Luminaire Effic. x Total Lamp Lumens x Ballast Factor
 Input Watts

SV91415-LL

*LER = 27.0

•AEC = \$8.87



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	558	558	558	558	558
5	549	570	569	572	552
15	470	522	503	533	490
25	337	406	386	416	375
35	216	285	264	294	255
45	134	180	169	199	169
55	90	124	113	133	113
65	63	87	80	94	80
75	32	44	40	47	40
85	6	9	8	10	8
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	59	56	54	51	52
2	53	48	45	41	45
3	48	42	38	34	40
4	44	37	32	29	35
5	40	33	28	25	31
6	37	30	25	21	28
7	34	27	22	19	26
8	32	24	20	17	24
9	30	22	18	15	21
10	28	21	16	13	20

EFFICIENCY = 53.9%

• AEC = Annual Energy Cost per 1000 lumens
 (based on 3000 hours use @ \$0.08 KWH).

Options

- 13 Clear 1/4" flat polycarbonate below .187" high strength acrylic. For other polycarbonate thickness up to .375" consult factory.
- 39 Installed Quad electronic dimming ballast (SV91414); or for F32 T-8 (SV91415-43). Consult factory for quantity and type required. Also see Options -LE and -WD.
- 42 Drop polycarbonate bisymmetric prismatic lens instead.
- 43 Lower Wattage: Specify 2Q18 or 2TT13 (SV91414); 2-32W T-8 or 2 Biax 18 (SV91415).
- 48 Night light socket and ballast for 7 watt fluorescent lamp.
- 58 277 volt 60 Hz. ballast instead.

- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Switch and light unobtrusively located above lens. For indoor use. Consult factory for use with -96 electronic ballast. Not available for -39.
- 74 Internal 2 lamp emergency "Ni-Cad" battery pack for use with 4-pin electronic lamps only. Use with Option -96. Indoor use.
- 84 Fixture wired for two circuits. See Options -FD and -RD.
- 94 Custom color housing. Consult factory.
- 96 Regulating electronic high power factor single circuit ballast instead. 2Q26 or 2Q18 (SV91414); 3 Biax 18 or 2 Biax 18 or F32 T-8 (SV91415). See Options -74, -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.
- FS Fused primary. Replaceable. Aids servicing.
- FD Double Fused primary. Replaceable. For use with Option -84.
- LE With 4-pin electronic lamps for use with Options -39, -74 or -96. 2700°K or consult factory. Specify wattage and color temperature.
- LP With lamps. 2700°K (3000°K: Biax) or consult factory. Specify wattage and color temperature. Also see -LE.
- RF Radio interference filter. Eliminates feedback.
- RD Double radio interference filter. For use with -84.
- LL Linear acrylic lens with 1/4" polycarbonate overlay for high angle bisymmetric distribution.
- WD Wall Dimmer for use with Option -39. (SV91414 only)

SUBMITTAL DATA

APPROVAL STAMP