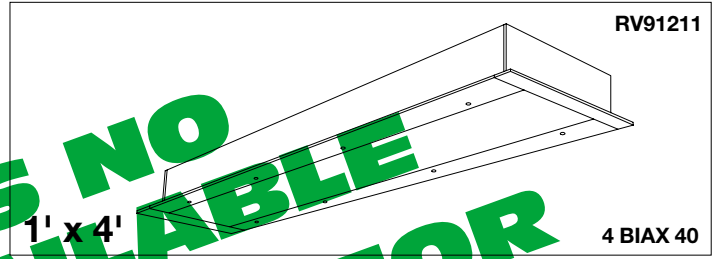
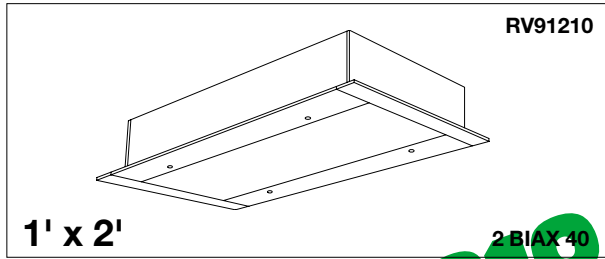


Corridor or General Lighting For Schools, Hospitals, Prisons



63% Efficiency

52% Efficiency

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

Features

Lamps

- Designed for:
RV91210: 2 horizontal Biax 40 watt.
RV91211: 4 horizontal Biax 40 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)
- Visible and easily serviced in ceiling.

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 .187" thick acrylic prismatic standard.
- Retained by non-removable tempered aluminum lens clamps with captive nuts and flush-mounted center-pin tamper-proof screws.
- Polycarbonate overlay (1/4" thickness) available. (See Option -13)

Housing

- Super-strong 6063-T6 tempered extruded aluminum.
- White polyester enamel finish.
- Recommended for prisons, detention areas

psychiatric facilities - any area of high vandalism.

- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.

Installation

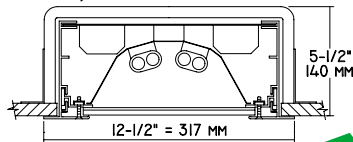
- Two die-formed vertically adjustable 16 gauge steel mounting yokes supplied.
- Recesses indoor or outdoor in covered locations. Access hole is 7/8" diameter.
- Wet plaster frame available. (See Option -47)
- These fixtures are NOT suitable for lay-in style ceilings.
- Tamper-proof tools included, minimum one per ten fixtures.

UL, C-UL (Canada) Listings

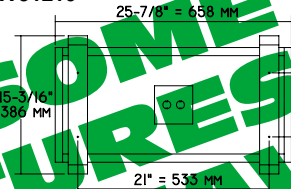
- Wet, damp or dry locations, covered ceilings.
- **Three Year Limited Warranty**
- Complete standard fixture.

Performance at a Glance

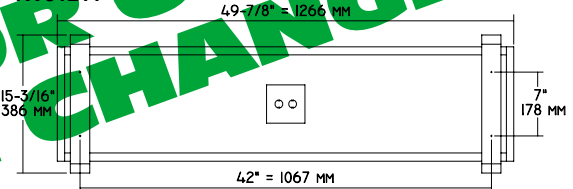
RV91210, RV91211



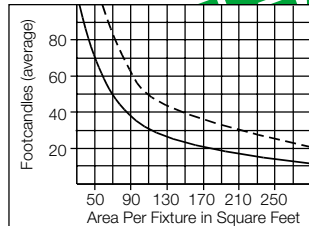
RV91210



RV91211

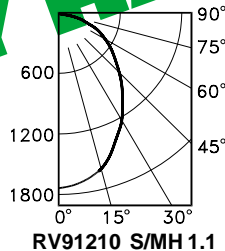


Multiple Fixture FC Calculator**

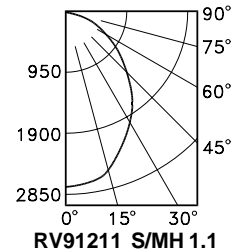


** Based on:
RCR=2;
ceiling 70%;
wall 50%;
floor 20%.

Use S/MH shown for each fixture.



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



THE KIRLIN COMPANY

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 Biax 40
4 Biax 40

CATALOG NUMBERS

RV91210
RV91211

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

RV91210
RV91211

RECESSED VANDAL RESISTANT: BIAX 40 IN FLANGED 1' x 2' and 1' x 4'

KIRLIN

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RV91210: TEST NUMBER 40942
RV91211: TEST NUMBER 40955

RV91210

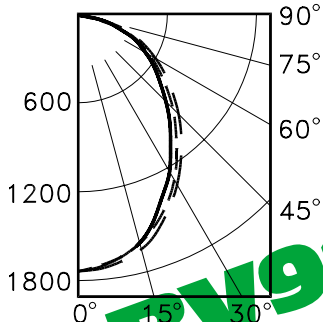
*LER = 46.1
*AEC = \$5.20

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	1715	1715	1715	1715	1715
5	1702	1690	1707	1713	1716
15	1589	1600	1578	1627	1615
25	1403	1412	1359	1436	1430
35	1157	1174	1091	1196	1187
45	909	920	832	945	943
55	670	671	582	693	702
65	442	432	355	447	458
75	217	202	161	210	223
85	40	35	25	33	35
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
RC	70	50	30	10	50	30	10
1	69	66	64	62	62	60	59
2	68	58	54	51	55	52	49
3	58	52	47	43	49	45	42
4	53	46	41	37	44	39	36
5	49	41	36	32	39	35	31
6	46	37	32	28	36	31	28
7	42	34	29	25	33	28	25
8	40	31	26	22	30	25	22
9	37	29	24	20	28	23	20
10	35	27	22	19	26	21	18



--- 0° S/MH 1.1
--- 45° S/MH 1.1
--- 90° S/MH 1.1
EFFICIENCY = 63.2%

*LER = Luminaire Efficacy Rating
LER = Lumens per Watt (Lamp Lumens / Ballast Input Watt)

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

RV91211

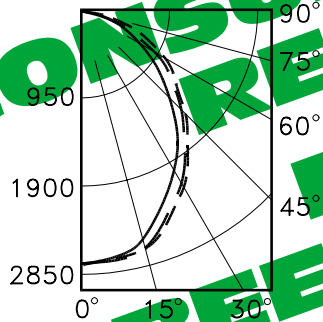
*LER = 37.9
*AEC = \$6.34

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	2780	2780	2780	2780	2780
5	2775	2790	2775	2751	2751
15	2625	2652	2633	2578	2546
25	2341	2380	2329	2235	2183
35	1963	1998	1935	1833	1758
45	1576	1604	1537	1415	1340
55	1190	1222	1139	1013	938
65	788	808	741	635	575
75	378	410	347	300	252
85	79	95	71	63	47
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
RC	70	50	30	10	50	30	10
1	57	55	52	51	51	50	48
2	52	48	45	42	45	43	40
3	48	42	38	35	40	37	34
4	44	38	33	30	36	32	29
5	40	34	29	26	32	29	26
6	37	31	26	23	29	25	23
7	35	28	24	20	27	23	20
8	32	26	21	18	25	21	18
9	30	24	19	17	23	19	16
10	28	22	18	15	21	17	15



--- 0° S/MH 1.2
--- 45° S/MH 1.2
--- 90° S/MH 1.1
EFFICIENCY = 51.9%

Options

- 13 Clear 1/4" flat polycarbonate below .187" high strength acrylic. For other polycarbonate thickness up to .375" consult factory.
- 39 Installed electronic dimming ballast. Biax 40, F17 T-8 or F20 (RV91210); Biax 40, F32 T-8 or F40 (RV91211). Consult factory for quantity and type required. Also see -WD.
- 43 Lower Wattage: Specify 2-17W T-8 or 2 F20 (RV91210); 2-32W T-8 or 2 F40 (RV91211).
- 47 Plaster frame for wet plaster ceiling.
- 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 undisturbatively located inside reflector. 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 0°F single circuit ballast instead. Biax 40, F17 T-8 or F20 (RV91210); Biax 40, F32 T-8 or F40 (RV91211).
- 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. One per fixture. Replaceable. Aids servicing.
- FD Double Fused primary. One per ballast. Replaceable. For use with Option -84.
- LP With lamps. 2700°K or consult factory. Specify wattage and color temperature.
- RF Radio interference filter. Eliminates line feedback.
- RD Double radio interference filter. For use with -84.
- WD Wall Dimmer for use with Option -39.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____
 TYPE _____
 WATTAGE _____ VOLTAGE _____
 CATALOG NUMBER _____

RV91210 HAS BEEN REPLACED BY RV912028
 SOME DESIGNS OR OPTIONS MAY HAVE CHANGED

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 THE PURCHASER TO THE POINT OF PURCHASE AND DEFECTIVE FIXTURE AT THE OFFICE OF THE MANUFACTURER WITHIN THE REAR YEARS OF ORIGINAL INVENTORY. LIABILITY OF KIRLIN FIXTURES 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 FOR THE BUYER'S PLACE AND OTHER WARRANTIES, EXPRESS OR IMPLIED, SALES DOES NOT WARRANT AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, NOR WILL IT ORAL OR WRITTEN STATEMENTS OF ANY SALES REPRESENTATIVE CONSTITUTE A WARRANTY OF ANY KIND. THIS WARRANTY IS VOID IF THE BUYER HAS CHANGED THE MANUFACTURER OR MODEL NUMBER OF THE FIXTURE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MANUFACTURER.