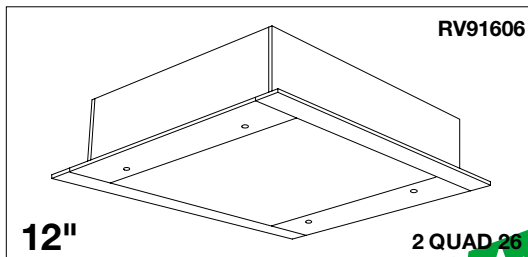
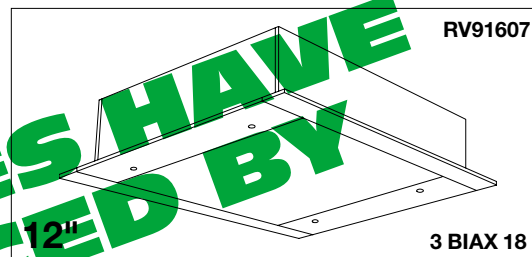


For Canopies, Corridors and Vestibules



60% Efficiency

2 QUAD 26



52% Efficiency

3 BIAx 18

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

Features

Lamp

- Designed for:
RV91606: 2 horizontal Quad 26 watt.
RV91607: 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)
- Visible and easily serviced in all ceilings.

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. Bisymmetric 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

- 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)
- Concrete pour box available. (See Option -78)
- Tamper-proof tools included, minimum one per ten fixtures.

UL, C-UL (Canada) Listings

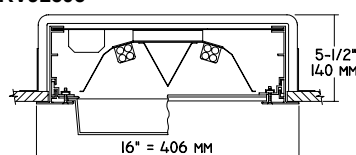
- Wet, damp or dry locations, covered ceilings.

Three Year Limited Warranty

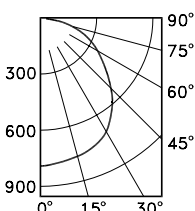
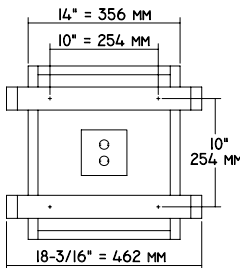
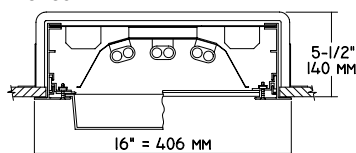
- Complete standard fixture.

Performance at a Glance

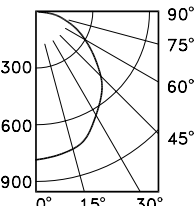
RV91606



RV91607



RV91606 S/MH 1.3



RV91607 S/MH 1.2

Cone of Light*

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

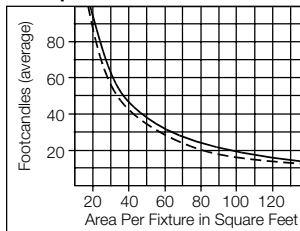
RV91606

Cone of Light*

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

RV91607

Multiple Fixture FC Calculator**



RV91606 — RV91607 ---

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

RV91606
RV91607

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

RV91606

RV91607 RECESSED VANDAL RESISTANT: QUAD 26 and BIAx 18 SQUARE DOWNLIGHTS

KIRLIN

Detailed Photometry - Installed Fixture

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

RV91606: TEST NUMBER 40934

RV91606-42: TEST NUMBER 40935

RV91606-LL: TEST NUMBER 40936

RV91607: TEST NUMBER 40931

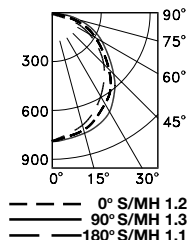
RV91607-42: TEST NUMBER 40932

RV91607-LL: TEST NUMBER 40933

RV91606

*LER = 31.5

•AEC = \$7.63



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	800	800	800	800	800
1	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

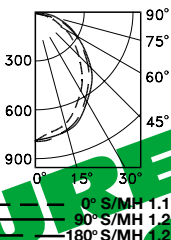
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	66	63	61	59	60
2	60	55	51	48	52
3	55	49	44	40	46
4	50	43	38	34	41
5	46	39	33	29	37
6	43	35	29	26	33
7	40	32	26	23	30
8	37	29	24	20	28
9	35	27	22	18	25
10	32	24	20	17	21

EFFICIENCY = 60.7%

RV91607

*LER = 26.1

•AEC = \$9.18



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	802	802	802	802	802
1	786	797	799	803	810
15	718	749	733	733	759
25	617	668	633	691	670
35	503	562	568	594	568
45	387	448	451	483	454
55	277	328	333	365	339
65	172	209	214	243	220
75	117	136	137	171	158
85	16	34	35	22	22
90	0	0	0	0	0

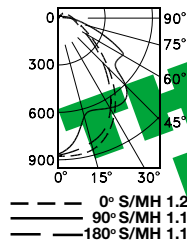
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	57	55	53	51	51
2	52	49	45	42	45
3	48	42	38	35	40
4	44	38	33	30	36
5	40	34	29	26	32
6	37	31	26	23	29
7	35	28	23	20	27
8	32	25	21	18	24
9	30	23	19	16	23
10	28	22	18	15	21

EFFICIENCY = 52.1%

RV91606-42

*LER = 31.4

•AEC = \$7.66



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	885	888	888	888	888
1	870	791	711	787	852
15	715	581	587	658	667
25	510	429	498	429	497
35	314	321	338	387	395
45	222	268	283	341	347
55	140	172	181	19	32
65	117	12	6	13	17
75	6	4	0	3	6
85	0	0	0	0	0
90	0	0	0	0	0

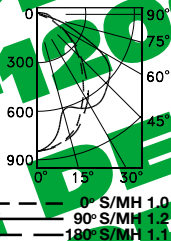
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	65	62	60	57	57
2	59	55	50	47	50
3	54	48	43	39	45
4	50	43	37	33	40
5	46	38	33	29	36
6	42	34	29	25	32
7	39	31	26	22	29
8	36	28	23	20	27
9	34	26	21	18	25
10	32	24	19	16	23

EFFICIENCY = 60.5%

RV91607-42

*LER = 27.6

•AEC = \$8.70



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	802	802	802	802	802
1	786	797	799	803	810
15	718	749	733	733	759
25	617	668	633	691	670
35	503	562	568	594	568
45	387	448	451	483	454
55	277	328	333	365	339
65	172	209	214	243	220
75	117	136	137	171	158
85	16	34	35	22	22
90	0	0	0	0	0

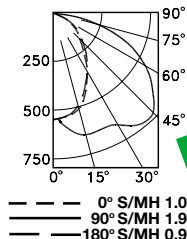
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	59	57	55	53	53
2	54	50	46	43	46
3	50	44	40	36	41
4	46	39	34	31	36
5	42	35	30	27	33
6	39	32	27	24	30
7	36	29	24	21	27
8	33	26	22	19	24
9	31	24	20	17	23
10	29	22	18	15	21

EFFICIENCY = 55.0%

RV91606-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
1	555	570	571	573	547
15	506	530	529	530	487
25	432	461	463	460	431
35	383	409	411	406	387
45	346	374	374	366	347
55	310	338	338	330	311
65	277	305	305	297	278
75	247	275	275	267	248
85	217	245	245	237	218
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	64	61	58	56	58
2	58	53	49	46	50
3	53	46	41	38	44
4	48	41	36	33	39
5	44	36	31	28	34
6	41	32	27	24	30
7	37	29	24	20	28
8	35	26	21	18	25
9	32	24	19	16	23
10	30	22	17	14	21

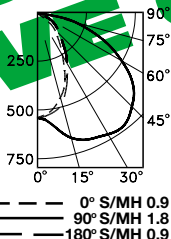
EFFICIENCY = 59.4%

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

RV91607-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
1	549	570	589	572	552
15	470	522	533	533	490
25	397	436	440	436	375
35	316	355	355	355	316
45	235	274	274	274	235
55	154	193	193	193	154
65	73	112	112	112	73
75	32	51	51	51	32
85	6	23	23	23	6
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	16	23
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 Q26 or Q18 electronic dimming ballast for RV91606 only. Also see -LE and -WD.
- 42 Drop polycarbonate bisymmetric prismatic lens instead.
- 43 Lower Wattage: Specify 2Q18 or 2TT13 (RV91606); 2-32W T-8 or 2 Biax 18 (RV91607).
- 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
- 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.
- 78 Concrete pour box.
- 84 Fixture wired for two circuits. See -FD, -RD.
- 94 Custom color housing. Consult factory.
- 96 Regulating electronic high power factor single circuit ballast instead. 2Q26 or 2Q18 (RV91606); 3 Biax 18, 2 Biax 18 or F32 T-8 for (RV91607). 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. One per fixture. Replaceable. Aids servicing.
- FD Double Fused primary. One per ballast. Replaceable. For use with Option -84.
- LP With lamps. 2700°K (3000°K: Biax) or consult factory. Specify wattage and color temperature. Also see -LE.
- LE With 4-pin electronic lamps for RV91606 only. For use with Options -39, -74 or -96. 2700°K or consult factory. Specify wattage and color temperature.
- RF Radio interference filter. Eliminates line feedback.
- RD Double radio interference filter. One per ballast. Eliminates line feedback. 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 (RV91606 only).

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____

LIMITED WARRANTY: CATALOGED 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 the option will replace or repair such fixture or refund the purchase price on presentation of a proof of purchase and defective fixture at the office of manufacturer within three 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 all other warranties, expressed or implied, shall not be taken as a warranty of the fixture without prior