

Tamperproof Trim: High Output

Features

Lamp

- Designed for:
 - 2 horizontal Triple Tube 32 watt: RV81030.
 - 2 horizontal Triple Tube 42 watt: RV81231.
- 4-pin GX24q-3 base: RV81030.
- 4-pin GX24q-4 base: RV81231.
- 90% lumen output maintained at ballast minimum operating temperature.
- Flicker-free starting, high light output, excellent color rendering (82 CRI).
- Long 10,000 hour life.
- High efficiency with low operating costs.
- See Option -43 for lower wattage.

Ballast

- Regulating electronic high power factor, thermally protected, encased.
- RV81030: -5° to -10°C (-23°F) rated. Cold weather available, see Option -CW.
- RV81231: Cold weather standard. -18°C to -20°C (0°F to -5°F) rated.
- Built-in RIF filter. THD is less than 10%.
- Single circuit wiring. See Option -84 for two circuit wiring.
- 120 volt standard or see optional voltages.
- See Option -39 for dimming availability.
- Visible and easily serviced in all ceilings.

Fuse

- Available as Option -FS. Also see -FD.

Reflector

- Clear specular Alzak® 100% aluminum.

Trim Assembly

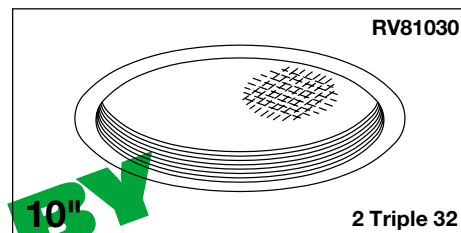
- Tamper-resistant, seamless tapered black OptiGroove. Self-flanged white trim.
- Flush tamperproof hex screws with center pin secure trim to captive nuts in housing.
- Continuous ring and four screws secure lens.
- Lens combines .187" high-strength prismatic acrylic overlay with 1/4" clear polycarbonate below for added vandal-resistance.

Housing

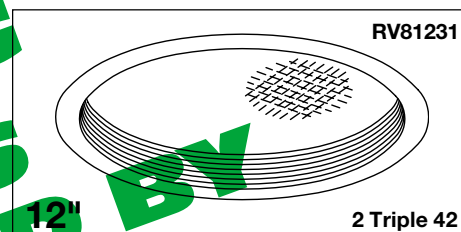
- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable trim assembly.
- Built-in plaster frame.

Installation

- 27" hanger bars supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Recesses indoor or outdoor in covered locations.



Mental Health Facilities



Schools, Jails, Psychiatric Wards

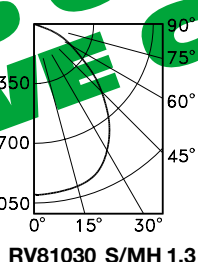
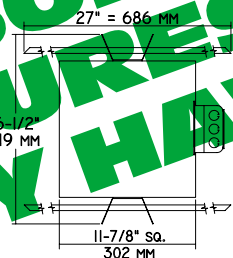
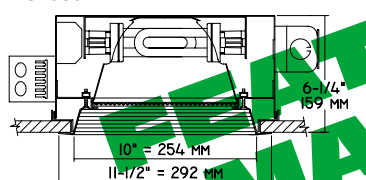
- Tamper-proof tools included, minimum one per ten fixtures.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).
- Three Year Limited Warranty**
- Complete standard fixture.

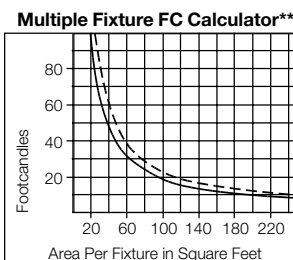
Performance at a Glance

RV81030



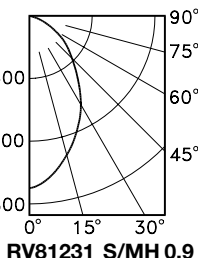
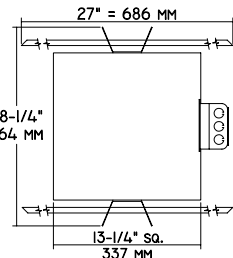
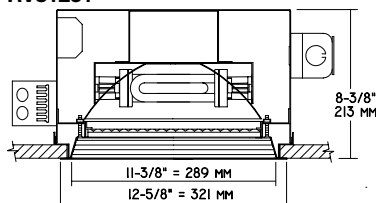
Ft.	FC	Dia.
6	27.8	6.7
8	15.6	9.0
10	10.0	11.2
12	6.9	13.5
14	5.1	15.7
16	3.9	18.0

RV81030



RV81030 — RV81231 - - -

RV81231



Ft.	FC	Dia.
6	46.0	5.3
8	25.9	7.0
10	16.6	8.8
12	11.5	10.5
14	8.5	12.3
16	6.5	14.1

RV81231

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 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

SECOND CENTURY SERIES
TRIPLE TUBE
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

2 Triple 32
2 Triple 42

CATALOG NUMBERS

RV81030
RV81231

DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

RV81030

RV81231 RECESSED VANDAL RESIST: TRIPLE TUBE 32 or 42 WATT COMPACT FLUORESCENT

KIRLIN

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RV81030: TEST NUMBER 45266
RV81231: TEST NUMBER 45267

RV81030

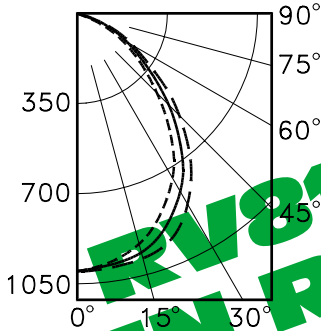
*LER = 28.4
•AEC = \$8.46

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	999	999	999	999	999
5	989	991	996	1000	1001
15	924	936	962	986	995
25	813	830	874	916	933
35	654	674	721	762	775
45	466	483	520	550	562
55	267	276	297	317	326
65	111	114	124	131	133
75	22	23	24	25	26
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20					
RC	80					
RW	75	50	10	50	30	10
1	47	46	44	43	42	41
2	44	41	38	36	37	35
3	40	37	34	31	35	31
4	37	33	30	27	31	27
5	35	30	27	24	29	24
6	32	27	24	21	26	21
7	30	25	21	19	24	19
8	28	23	20	17	22	17
9	26	21	18	16	20	16
10	25	20	16	14	19	14



*LER = Luminaire Efficiency Rating

LER = Luminaire Effic. x Total Lamp Lumens x Ballast Factor
Input Watts•AEC = Annual Energy Cost per
1000 lumens (based on 3000
hours use @ \$0.08 KWH).

RV81231

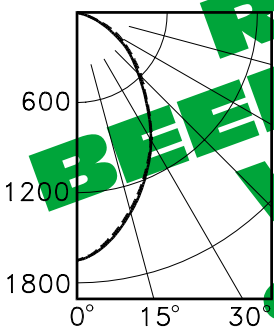
*LER = 27.5
•AEC = \$8.72

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1657	1657	1657	1657	1657
5	1618	1618	1620	1623	1623
15	1379	1389	1396	1396	1397
25	1115	1117	1110	1105	1099
35	850	842	832	831	834
45	591	585	575	573	574
55	339	335	326	314	313
65	134	134	131	125	123
75	25	26	26	27	28
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20					
RC	80					
RW	75	50	10	50	30	10
1	43	42	41	39	39	38
2	40	38	36	34	36	33
3	37	34	31	29	32	29
4	35	31	28	26	29	25
5	32	28	25	23	27	23
6	30	26	23	21	25	20
7	28	24	21	19	23	18
8	26	22	19	17	21	17
9	25	20	17	15	20	15
10	23	19	16	14	18	14



Options

- 39 Installed electronic dimming ballast. Consult factory for 18 or 26 watt or for quantity and type required. Also see Options -84, -LE and -WD. Indoor use.
- 40 White grooveless tamper-proof flare trim assembly instead.
- 43 Lower wattage: Specify 2-26 or 18 watt (RV81030); 2-32, 26 or 18 watt (RV81231).
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 46 Gasket between trim and lens.

- 58 277 volt 60 Hz. ballast instead.
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Controls one lamp. Switch and visible light located above lens. Indoor use.
- 74 Two lamp internal emergency "Ni-Cad" battery pack concealed in housing for 18, 26 or 32 watt. Consult factory for 42 watt. Switch and visible light located above lens. Indoor use.
- 84 Fixture wired for two circuits. See Option -FD.
- 94 Custom color trim assembly. Consult factory.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory for dimming.

- 99 Special modification. Consult factory.
- CW Cold weather electronic HPF ballast for RV81030. -18°C to -20°C (0°F to -5°F). (Standard: RV81231)
- FD Double Fused primary. One per ballast. Replaceable. For use with Option -84.
- FS Fused primary. One per fixture. Replaceable.
- LE With 4-pin electronic Triple Tube amalgam lamps. 82 CRI and 10,000 hour life. 3500°K or consult factory for 2700°K, 3000°K or 4100°K. Specify wattage and color temperature.
- WD Wall Dimmer for use with Option -39. Consult factory for use with 18 or 26 watt.

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 his option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices 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 for the purchase of a new fixture. It does not cover repairs, alterations, modifications, or other work done on a fixture after its original shipment. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will void this warranty void.