

Recessed Vandal Resistant Downlight Multi-Wattage • Multi-Voltage

Features

Lamp

- Designed for:
2 horizontal Triple Tube 42 watt.
- Lamp socket suitable for 42, 32 or 26 (electronic) wattages.**
- 4-pin GX24q-4 base.
- 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 cost.
- See Option -43 for lower wattage.

Ballast

- Suitable for 120V line from 26 through 42 watt (non-dimming).**
- Suitable for all line from 120 through 42 watt (dimming).**

NOTE: Options -39, -43, -47, -58, -73 and -97 require specific voltage and are standard with 120V ballast. For other voltages specify Options -58, -97 or -98.

- Cold weather rated. Minimum starting temperature -22°F (-30°C).
- Dimming optional. See Option -39 for availability and restrictions.

- Regulating electronic high power factor, thermally protected, encased.
- With built-in end of lamp life protection.
- Built-in RIF filter. THD is less than 10%.

Reflector

- Full-size formed specular reflector with minimum 94% reflectance.
- Removable for easy cleaning.

Fuse

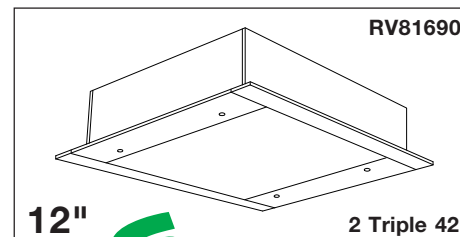
- Available with Option -FS. 1/4" x 1/4" x 1/4" 1A 250V.
- High strength, high temperature .187" thick aluminum.

- Continuously adjustable tapered aluminum lens caps with flush mounted tamperproof screws (4) and nuts. Screwdriver provided.
- Polycarbonate overlay (1/4" thick) available (in addition to lens cap). (See Option -13)

- Injection molded polycarbonate lens. Available with or without. Bismuthine available. (See Option -13)

Finishing

- Super strong 18-3-T6 temper extruded aluminum.
- White polyester powder finish.



12"

2 Triple 42

**Outdoor or Indoor Use
Ideal for Public Access Areas**

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

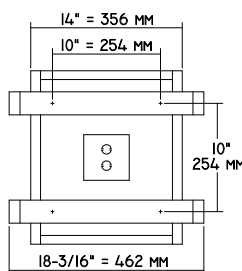
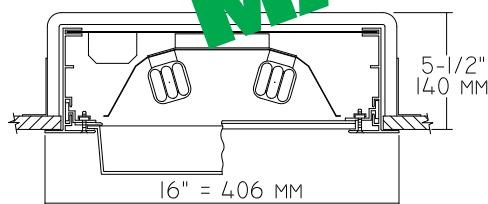
Installation

- Two die formed vertically adjustable tapered aluminum mounting yokes.
- Permitted indoor or outdoor locations. Access hole 1 1/8" diameter.
- Wet or damp locations (See -47) or dry locations (See -78).
- Tamperproof tamper switch. Minimum one per ten fixtures.

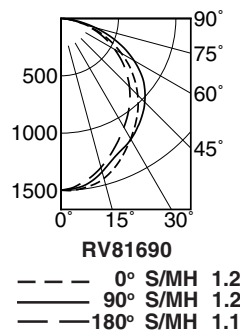
UL Classification Listings

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

Performance & Dimensions

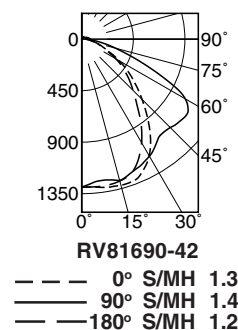


Cone of Light Key
Ft. Distance from fixture
FC Footcandles (average)
Dia. Circle of light at 50% of FC



Ft.	FC	Dia.
6	41.6	7.1
8	23.4	9.5
10	15.0	11.9
12	10.4	14.2
14	7.6	16.6
16	5.8	19.0

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



Ft.	FC	Dia.
6	35.9	7.9
8	20.2	10.5
10	12.9	13.2
12	9.0	15.8
14	6.6	18.4
16	5.0	21.1

THE KIRLIN COMPANY

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**SECOND CENTURY SERIES
TRIPLE TUBE
COMPACT FLUORESCENT LIGHTING**

MAXIMUM WATTAGE

CATALOG NUMBER(S)

2 Triple 42

RV81690

(Multi-Wattage: 26, 32 or 42)

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

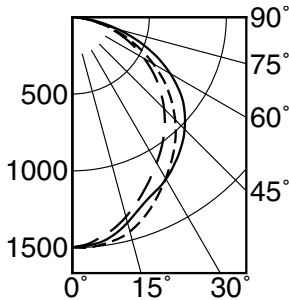
RV81690 RECESSED VANDAL RESISTANT: TRIPLE TUBE 42W (MAX.) COMPACT FLUORESCENT

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RV81690: TEST NUMBER 52005
RV81690-42: TEST NUMBER 52007

RV81690

*LER = 47.73
•AEC = \$5.02



--- 0° S/MH 1.2
--- 90° S/MH 1.2
--- 180° S/MH 1.1
EFFICIENCY = 63.8%

CANDLEPOWER DISTRIBUTION

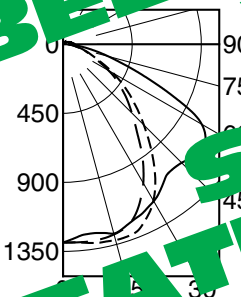
	0.0	45.0	90.0	135.0	180.0
0	1497	1497	1497	1497	1497
5	1500	1497	1485	1470	1469
15	1444	1429	1384	1355	1345
25	1297	1279	1259	1193	1178
35	1128	1180	1160	1077	1016
45	944	1059	1031	946	891
55	729	874	854	781	731
65	483	634	600	540	498
75	240	310	291	225	210
85	73	93	83	63	59
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20					
RC	80			50		
RW	70	50	30	10	50	10
1	71	68	63	64	62	60
2	65	59	51	56	52	49
3	58	51	42	49	44	41
4	51	46	35	43	38	35
5	44	41	30	39	34	30
6	37	37	26	35	30	26
7	30	33	23	32	27	23
8	23	30	21	29	24	21
9	17	28	19	27	22	18
10	10	26	20	17	20	17

RV81690-42

*LER = 3.13
•AEC = \$0.08



--- 0° S/MH 1.1
--- 90° S/MH 1.4
EFFICIENCY = 65.7%

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	1292	1292	1292	1292	1292
10	1292	1292	1292	1292	1292
20	1292	1292	1292	1292	1292
30	1292	1292	1292	1292	1292
40	1292	1292	1292	1292	1292
50	1292	1292	1292	1292	1292
60	1292	1292	1292	1292	1292
70	1292	1292	1292	1292	1292
80	1292	1292	1292	1292	1292
90	1292	1292	1292	1292	1292
100	1292	1292	1292	1292	1292
110	1292	1292	1292	1292	1292
120	1292	1292	1292	1292	1292
130	1292	1292	1292	1292	1292
140	1292	1292	1292	1292	1292
150	1292	1292	1292	1292	1292
160	1292	1292	1292	1292	1292
170	1292	1292	1292	1292	1292
180	1292	1292	1292	1292	1292

COEFFICIENTS OF UTILIZATION

RF	20					
RC	80			50		
RW	70	50	30	10	50	10
1	71	68	63	64	62	60
2	65	59	51	56	52	49
3	58	51	42	49	44	41
4	51	46	35	43	38	35
5	44	41	30	39	34	30
6	37	37	26	35	30	26
7	30	33	23	32	27	23
8	23	30	21	29	24	21
9	17	28	19	27	22	18
10	10	26	20	17	20	16

Options

- 13 Clear 1/4" flat polycarbonate below .187" high strength prismatic acrylic. For other polycarbonate thickness up to .375" consult factory.
- 39 Installed electronic dimming ballast for 42 watt or see Option -43 for 32, 26 or 18 watt. **Specify voltage.** Consult factory for brand type. Also see Options -84, -LE and -WD. Indoor use.
- 42 Drop polycarbonate bnisymmetric prismatic lens instead.
- 43 Lower wattage triple tube: Specify 18 watt (electronic) or 32, 26 or 18 watt (dimming) and **voltage.**
- 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. When using Options -39, -43, -73 or -74.
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. **Specify voltage.** Controls one lamp. Switch and light located above lens. Indoor use.
- 74 Two lamp internal emergency "Ni-Cad" battery pack. **Specify voltage.** Switch and light located above lens. Indoor use.
- 78 Concrete pour box assembly for use in wet concrete. Following pour, fixture mounts within assembly.
- 84 Fixture wired for two circuits. See Option -FD.
- 94 Custom color trim / housing. Consult factory.
- 97 Other voltage ballast than 120, 277 (Option -58), 347 (Option -98). Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory for dimming. Use with Options -43, -73 or -74.
- 99 Special modification. Consult factory.
- FD Double Fused primary. Replaceable. Use with Option -84.
- FS Fused. Replaceable. Aids servicing.
- LE With 4-pin electronic Triple Tube amalgam lamp(s). 82 CRI and 10,000 hour life. Consult factory for compatibility with GE 42 watt lamps. 3500°K or consult factory. Specify wattage and color temperature.
- WD Wall Dimmer for use with Option -39. Consult factory for type and quantity required.

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 the 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 by purchaser or any person. This warranty is supplied for the user's place of use only. Warranties, expressed or implied, Seller does not warrant as to merchantability or fitness for a particular use, nor warranty of 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.