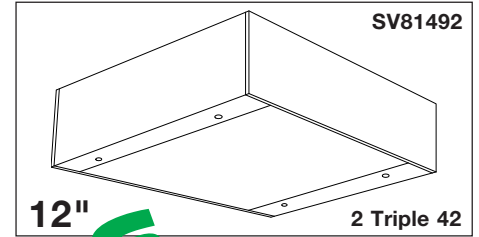


## Surface Vandal Resistant Downlight Multi-Wattage • Multi-Voltage



### 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 ballasts from 26 through 42 watt (non-dimming).**
  - Suitable for ballasts from 120 through 277V (non-dimming).**
- NOTE: Options -73 and -74 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 -43 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

- Ballast as Option -FS. Also see -43.

- High strength impact plastic .187" thick.
- Sealed by continuous extrusion.
- Tempered aluminum end caps with flush counterbore and tamperproof screws (4) and five nuts. Screwdriver protection.
- Polycarbonate overlay (1/4") available (in addition to standard).
- (See Option -13 for details.)

- Injection molded polycarbonate top lens available in clear or lead. Bismuth available (See Option -13).

#### Housing

- Stainless steel 3063-T6 temper extruded.
- White polyester powder finish.

**Use in Marking Garages or other Vandal Prone Areas**

**Use in Conversion from Temporary to Permanent Voltage**

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

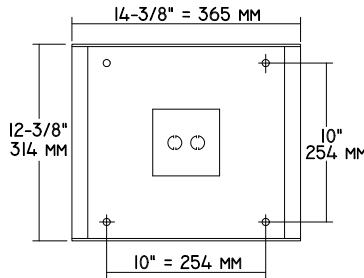
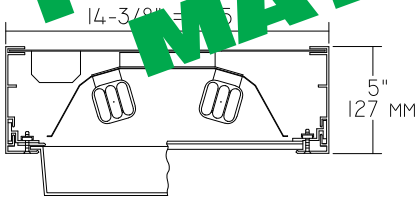
#### Installation

- Install indoor or outdoor on all surfaces, in all locations.
- Pre-drill hole is 7/8" diameter with 1/2" diameter pilot hole.
- Secure with 1/8" lag or molly bolts to mounting support structure.
- Tamperproof design. Minimum one per ten fixtures.

#### UL, ENEC (Canada) Listings

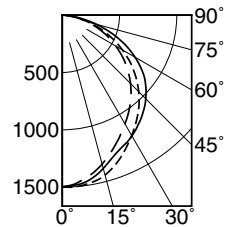
- UL listed for damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).
- Three Year Limited Warranty**
- Complete standard fixture.

### Performance and Balance



#### Cone of Light Key

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

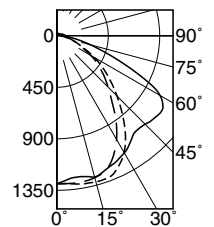


SV81492

- 0° S/MH 1.2
- 90° S/MH 1.2
- - - 180° S/MH 1.1

#### Cone of Light\*

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



SV81492-42

- 0° S/MH 1.3
- 90° S/MH 1.4
- - - 180° S/MH 1.2

#### Cone of Light\*

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

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

## THE KIRLIN COMPANY

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

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

MAXIMUM WATTAGE

CATALOG NUMBER(S)

**2 Triple 42**

**SV81492**

(Multi-Wattage: 26, 32 or 42)

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

## SV81492 SURFACE VANDAL RESISTANT: TRIPLE TUBE 42W (MAX.) COMPACT FLUORESCENT

### Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) SV81492: TEST NUMBER 52005  
SV81492-42: TEST NUMBER 52007

SV81492

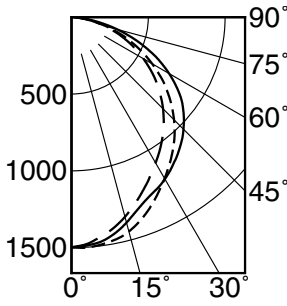
\*LER = 47.73  
•AEC = \$5.02

#### 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	885
55	729	874	854	777	728
65	483	634	613	537	488
75	240	317	301	225	176
85	72	93	86	63	48
90	0	0	0	0	0

#### COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
RC	70	50	30	10	50	30	10
RW	70	50	30	10	50	30	10
1	71	68	65	63	64	62	60
2	65	61	58	51	56	52	49
3	59	55	52	42	49	44	41
4	53	49	46	35	43	38	35
5	49	44	40	26	39	34	30
6	46	41	37	26	35	30	26
7	43	38	34	23	32	27	23
8	40	35	30	21	29	24	21
9	37	32	28	19	27	22	18
10	34	26	20	17	25	20	17



--- 0° S/MH 1.2  
--- 90° S/MH 1.1  
--- 180° S/MH 1.1  
EFFICIENCY = 55.8%

\*LER = Lumens per Watt Rating  
LER = (Lumens per Hour) / (Wattage x Total Lamp Life) = (1497 x 1000) / (42 x 1000) = 35.64

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

SV81492-42

\*LER = 47.73  
•AEC = \$5.13

#### CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	1292	1292	1292	1292	1292
10	1300	1292	1249	1254	1249
20	1181	1181	1181	1181	1181
30	1012	867	1116	1074	1035
40	770	1096	96	288	181
50	517	63	74	17	43
60	270	37	2	33	10
70	112	14	0	3	10
80	37	0	0	0	0
90	0	0	0	0	0

#### COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
RC	70	50	30	10	50	30	10
RW	70	50	30	10	50	30	10
1	71	68	65	63	64	62	60
2	65	61	58	51	56	52	49
3	59	55	52	42	49	44	41
4	53	49	46	35	43	38	35
5	49	44	40	26	39	34	29
6	45	40	35	26	34	29	25
7	42	37	32	23	31	26	22
8	39	34	29	20	28	23	20
9	36	31	26	18	26	21	18
10	34	25	20	17	24	19	16

--- 0° S/MH 1.2  
--- 90° S/MH 1.1  
--- 180° S/MH 1.1  
EFFICIENCY = 65.7%

\*LER = Lumens per Watt Rating  
LER = (Lumens per Hour) / (Wattage x Total Lamp Life) = (1292 x 1000) / (42 x 1000) = 30.76

• 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 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.**

- 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.
- 84 Fixture wired for two circuits. See Option -FD.
- 94 Custom color 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: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, ETC., IS NORMAL USE. Manufacturer at this 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 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 other warranties, expressed or implied, shall not be construed to conflict with this warranty. Seller does not warrant as to merchantability or fitness for a particular use, nor liability or 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.