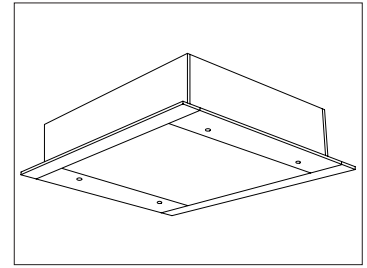


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

12" x 12" 2 Triple 42 WATT MAXIMUM

VRS-12024

## Maximum Security High Efficiency 2x42W Recessed Square



### Specifications

#### Lamp

- Designed for two 4-pin triple tube amalgam or quad compact fluorescent lamps: 42/32/26W triple or 26W quad.

#### Ballast: Multi-Wattage/Voltage

- Installed electronic high power factor, thermally protected. For lower wattages: Option -43.
- 120-277 multi-volt; 50-60 Hz. THD <10%.
- ClickQuick connectors for easy service.
- Single circuit wiring or see Option -84.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit. RFI filter.
- Internally fused. Also see Options -FS, -FD.
- Dimming optional. See Option -39.

#### Reflector

- Full size die formed specular Alzak® aluminum.
- Removable for servicing.

#### Trim / Lens Assembly

- Prismatic 3/16" high strength acrylic above 1/4" clear polycarbonate.

- Continuous extruded 6063-T6 tempered aluminum, non-removable lens clamps; four flush mounted center pin tamperproof screws with captive nuts.
- Tamperproof tool included.

#### Aluminum Housing

- Super-strong 6063-T6 extruded and tempered.
- White polyester enamel finish.
- Rustproof: exceeds 1000 hour ASTM 5% salt spray test.

#### Outlet Box

- Prewired 14 GA (NEC) galvanized steel, UL listed.
- 1/2" and 3/4" knockouts.

#### Installation

- Two die-formed 7/8" vertically adjustable 16 gauge steel mounting yokes supplied.
- Recesses indoor or outdoor in covered locations. Concrete Pour version available. See Option -78.

#### UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6 #12 AWG 90°C).

#### Three Year Limited Warranty

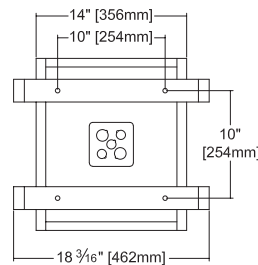
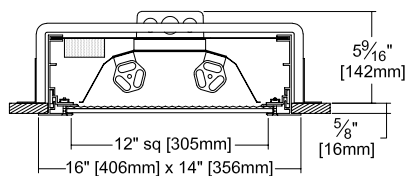
- Complete standard fixture and ballast.



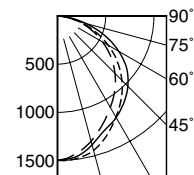
**Exceptional  
Energy  
Efficiency**

### Performance at a Glance

VRS-12024



VRS-12024 (2 Triple 42W)



Cone of Light\*

Dist.	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

EFFICIENCY: 65.8%

ITL TEST #52005

LER=47.7 AEC=\$5.03



Ceiling Cut-out  
13" x 15 1/2"

#### Cone of Light Key

- Ft. Distance from fixture
- FC Footcandles at nadir (0°)
- Dia. Circle of light at 50% of FC

\* 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

**ENERGY EFFICIENT VANDAL RESISTANT  
& MAXIMUM SECURITY LIGHTING**

MAXIMUM WATTAGE

**2 Triple 42**

CATALOG NUMBER

**VRS-12024**

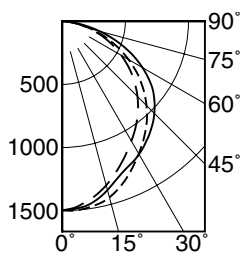
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

VRS-12024 (2 Triple 42)



--- 0° SC 1.2  
— 90° SC 1.2  
- · - 180° SC 1.1

EFFICIENCY : 65.8%

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	843
55	729	874	854	778	647
65	483	634	602	556	436
75	240	344	310	301	225
85	41	72	59	63	48
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	71	68	65	63	64	62	60
2	65	59	55	51	56	52	49
3	59	52	46	42	49	44	41
4	54	46	40	35	43	38	35
5	49	41	35	30	39	34	30
6	46	37	31	26	35	30	26
7	42	33	27	23	32	27	23
8	39	30	25	21	29	24	21
9	37	28	22	19	27	22	18
10	34	26	20	17	25	20	17

ITL TEST #52005 \*LER=47.7 •AEC=\$5.03

\* LER = Luminaire Efficiency Rating

$$LER = \frac{\text{Luminaire Effic.} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$$

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

Options

Ballast, Wattage and Voltage

- 39 Consult factory for installed electronic dimming ballast. Indoor use. 10°C (50°F) minimum start. Specify wattage, voltage and brand.
- 43 Lower wattage: For 4-pin 2x18W triple or 2x18-13W quad. Specify wattage.
- 84 Wired for two circuits. Also see -FD.
- 97 Specify other voltage. Consult factory.
- 98 347 volt, 50/60 Hz. input. Consult factory.

Emergency Ballast - Specify Voltage<sup>1</sup>

- Internal (factory installed) ballast, test switch and indicator light. Suitable for damp locations from 0° to 50°C (32° to 122°F) or with Cold Weather version (see -CE) -20° to 55°C (-4° to 131°F).
- 73 Internal 1-lamp EM ballast. Specify voltage.
- CE Internal cold weather (-20° to 55°C) 1-lamp EM ballast. Specify voltage.
- HE<sup>1</sup> Internal higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only. Specify voltage.

Other

- 45 Gasket between trim and ceiling.
- 47 Wet plaster frame for wet plaster ceiling.
- 78 Concrete pour box assembly for use in wet concrete. Following pour, fixture mounts within assembly.
- 99 Special modification. Consult factory.
- FD Two additional in-line fuses. One per ballast. Use with Option -84. Not available with Option -98(347V).
- FS Additional in-line fuse. Not available with Option -98(347V).
- LE With 4-pin electronic lamps. 3500°K standard. 82 CRI and 12,000 hour life. Specify wattage, style and color temperature.

<sup>1</sup> Visit [www.kirlinlighting.com](http://www.kirlinlighting.com) for most current performance / specifications.

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. INSTALL TO N.E.C. IN NORMAL USE. Manufacturer of the fixture 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 to the buyer in place of all other warranties, expressed or implied. 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 the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.