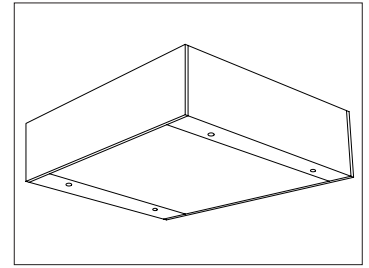


|           |         |         |
|-----------|---------|---------|
| CATALOG # | TYPE    |         |
| JOB NAME  | WATTAGE | VOLTAGE |

12" x 12" 2 Triple 57 WATT MAXIMUM

VSS-12031

## Maximum Security Surface Square 2x57W for High Ceilings



### Specifications

#### Lamp

- Designed for two 4-pin triple/four tube amalgam or quad compact fluorescent lamps: 57W triple/four tube.

#### Ballast: Multi/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.

#### Reflector

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

#### Trim / Lens Assembly

- Tempered C#73 spread lens 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.

#### Installation

- Secure with 3/8" lag or molly bolts to ceiling support structure. 7/8" diameter access hole with four 1/2" diameter mounting holes.
- Installs indoor or outdoor in covered locations.

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

- Wet, damp or dry locations - covered ceilings.

#### Three Year Limited Warranty

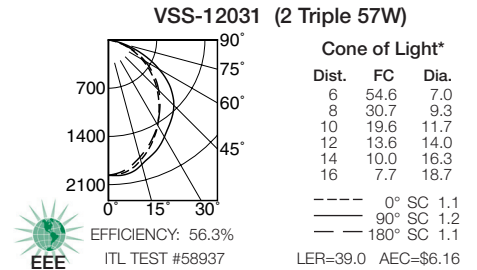
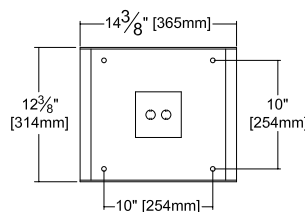
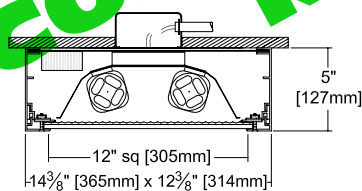
- Complete standard fixture and ballast.



Exceptional  
Energy  
Efficiency

### Performance at a Glance

VSS-12031



**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 57

CATALOG NUMBER

VSS-12031

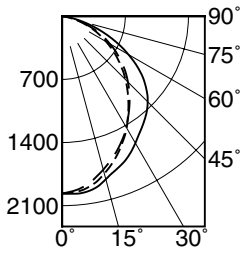
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

VSS-12031 (2 Triple 57)



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

EFFICIENCY : 56.3%

| CANDLEPOWER DISTRIBUTION |      |      |      |       |       |
|--------------------------|------|------|------|-------|-------|
|                          | 0.0  | 45.0 | 90.0 | 135.0 | 180.0 |
| 0                        | 1965 | 1965 | 1965 | 1965  | 1965  |
| 5                        | 1952 | 1966 | 1974 | 1950  | 1930  |
| 15                       | 1806 | 1852 | 1871 | 1805  | 1761  |
| 25                       | 1565 | 1646 | 1722 | 1619  | 1544  |
| 35                       | 1279 | 1439 | 1528 | 1431  | 1290  |
| 45                       | 992  | 1171 | 1341 | 1173  | 1031  |
| 55                       | 708  | 872  | 1047 | 888   | 756   |
| 65                       | 426  | 534  | 641  | 556   | 464   |
| 75                       | 161  | 210  | 245  | 221   | 182   |
| 85                       | 11   | 14   | 18   | 15    | 13    |
| 90                       | 0    | 0    | 0    | 0     | 0     |

| COEFFICIENTS OF UTILIZATION |    |    |    |    |    |    |    |    |
|-----------------------------|----|----|----|----|----|----|----|----|
| RF                          | 20 |    |    |    |    |    |    |    |
|                             | RC | 80 |    |    | 50 |    |    |    |
|                             |    | RW | 70 | 50 | 30 | 10 | 50 | 30 |
| 1                           | 62 | 59 | 57 | 55 | 56 | 54 | 53 |    |
| 2                           | 57 | 52 | 49 | 46 | 49 | 46 | 44 |    |
| 3                           | 52 | 46 | 42 | 38 | 44 | 40 | 37 |    |
| 4                           | 47 | 41 | 36 | 33 | 39 | 35 | 32 |    |
| 5                           | 44 | 37 | 32 | 28 | 35 | 31 | 28 |    |
| 6                           | 40 | 33 | 28 | 25 | 32 | 27 | 24 |    |
| 7                           | 37 | 30 | 25 | 22 | 29 | 25 | 22 |    |
| 8                           | 35 | 27 | 22 | 20 | 26 | 22 | 19 |    |
| 9                           | 33 | 25 | 21 | 18 | 24 | 20 | 17 |    |
| 10                          | 31 | 23 | 19 | 16 | 22 | 19 | 16 |    |

ITL TEST #58937 • LER=39.0 • AEC=\$6.16

LER = Luminaire Efficacy Rating  
 LER = Luminaire Effic. x Total Lum. Output  
 LER = Luminaire Effic. x Total Lum. Output x Light Loss Factor  
 • AEC = Annual Energy Cost per 1000 lumens  
 AEC = (Wattage x Hours of Use) / (1000 lumens x 3000 hours use @ \$0.08 KWH).

THIS FIXTURE IS NO LONGER AVAILABLE FOR REPLACEMENT CONSULT FACTORY

Options

**Ballast, Wattage and Voltage**

- 43 Lower wattage. See VSS-12029.
- 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<sup>1</sup>**

Remote (field mounted) 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 -CR) -20° to 55°C (-4° to 131°F).  
 -75 Remote 1-lamp EM (57W) ballast.  
 -CR Remote cold weather (-20° to 55°C) 1-lamp EM (57W) ballast.

**Luminaire (Housing) Finishes**

- 35 Natural aluminum acrylic enamel.
- 37 Dark Bronze acrylic enamel.
- 38 Black acrylic enamel.
- 94 Custom color/finish. Specify. Consult factory.

**Other**

- 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. INSTALLER TO N.E.C. IN NORMAL USE. Manufacturer of the 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 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.