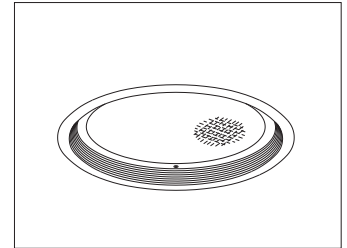


|           |         |         |
|-----------|---------|---------|
| CATALOG # | TYPE    |         |
| JOB NAME  | WATTAGE | VOLTAGE |

12" 2 Triple 42 WATT MAXIMUM

FRV-12077

## Attractive and Versatile Vandal Resistant



### Features

#### 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 electronically.
- 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.
- Internally fused. Also see Option -F.

#### Reflector

- Specular Alzak® aluminum.

#### Trim / Lens Assembly

- Vandal resistant tapered aluminum. One piece black OptiGrip® above with white flange for secure trim.
- Flush tamper proof hex screws with center pin to secure trim to captive nuts in housing.
- Continuous lighting and four screws secure lens.

- Lens combines 1/4" clear polycarbonate below with prismatic .187" high-strength acrylic.

#### Aluminum Housing

- Acrylic enameled. Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Lightweight: Minimizes ceiling load.
- Cool operation: Extends component life.

- Built-in plaster frame.

#### Outlet Box

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

- Recesses indoor or outdoor in covered locations.
- Tamperproof. Includes tamperproof cover, C-FL (Coverless Flange) Wet Lampholder or C-FL (Coverless Flange) Through Branch Conductors (CFL-2).
- Complete standard fixture and ballast.

#### Three Year Limited Warranty

- Complete standard fixture and ballast.

Recessed Round  
Vandal Resistant  
Regressed Lens  
Shallow Plenum

#### Selected Optional Trim:

- White Grooveless Flare Option -40

**THIS PRODUCT IS NO LONGER AVAILABLE**

### Performance at a Glance

FRV-12077

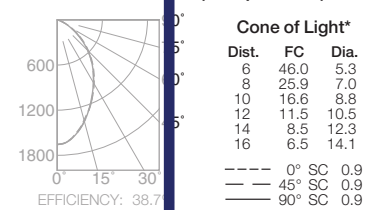


#### Cone of Light Key

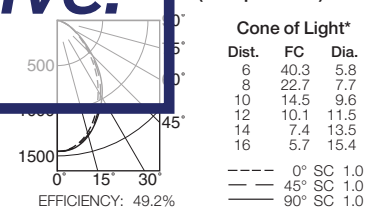
- Ft. Distance from fixture
- FC Footcandles (average)
- Dia. Circle of light at 50% of FC
- \* Dia. (in ft.) shown is where FC value is half the FC at nadir.

Please consult **QUOTATIONS** for the best alternative.

FRV-12077 (2 Triple 42W)



FRV-12077 (2 Triple 32W)



## 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

RENAISSANCE SERIES  
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

2 Triple 42

CATALOG NUMBER

FRV-12077

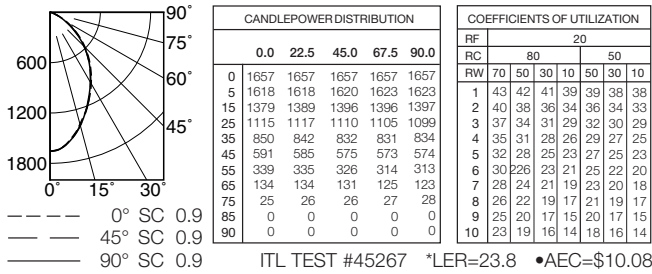
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

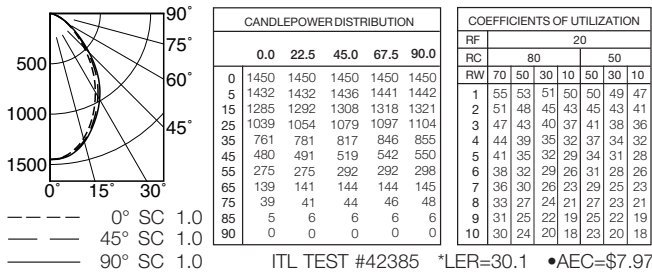
Photometry from I.T.L., Boulder, CO

FRV-12077 (2 Triple 42)



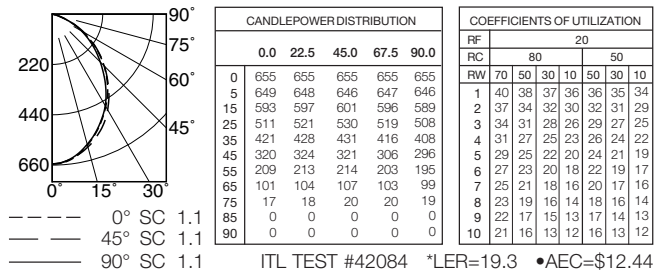
EFFICIENCY : 38.7%

FRV-12077 (2 Triple 32)



EFFICIENCY : 49.2%

FRV-12077 (2 Quad 26)



EFFICIENCY : 35.8%

\* 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).

Options

Ballast, Wattage and Voltage

- 39 Installed electronic dimming ballast. Indoor use. 10°C (50°F) minimum start. Specify wattage, voltage and brand.
- 43 Lower wattage: for either 4-pin electronic 2x18W triple/quad or 2x13W quad (only). 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.

Lenses and Trims

- 32 White oversize trim ring. Specify O.D.
- 40 White tamperproof flare trim. (CP x 1.10)
- 45 Gasket between ceiling and trim flange.
- 46 Gasket between trim and lens.

- 79 Extension collar for ceilings up to 2" thick.
- 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 lamp. 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

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLLED TO N.E.C. IN NORMAL USE. Manufacturer at his option will replace or repair, at no charge, any fixture or component thereof that is found to be defective in workmanship or material. This warranty is void if the fixture is not installed in accordance with the instructions provided. This warranty is void if the fixture is used in an application not intended by the manufacturer. This warranty is void if the fixture is used in an application not intended by the manufacturer. This warranty is void if the fixture is used in an application not intended by the manufacturer. This warranty is void if the fixture is used in an application not intended by the manufacturer.