

CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

6" 1 Triple 42 WATT MAXIMUM

FRR-06002

Inconspicuous Open Downlight with
Super Narrow Recessed Housing

THIS PRODUCT IS NO LONGER AVAILABLE

Features

Lamp

- Designed for one 4-pin triple tube compact fluorescent lamp: 42/32/26W.

Ballast: Multi-Wattage/Voltage

- Installed electronic high power factor, thermally protected.
- For lower wattages: Option -42.
- 120-277 multi-volt; 50/60 Hz. THD < 2.5%.
- ClickQuick connectors for easy service.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit, CFL filter.
- Internally fused. Also see Option -FS.

Reflector

- Low iridescence (L.I.) Alzak® aluminum, one piece, self-ranged.
- See Options for finish lines.

- Aluminum housing, 1/2" thick.
- Aircraft grade, 6061-T6 aluminum.
- 24 hour ASTM 5% salt spray test.
- Lightweight: Minimizes ceiling load.
- Cooperating: External component free.
- Entire luminaire series with through feature.
- Built-in plunger mount.
- Air Tight design. See Option -AT.

Outlet Box

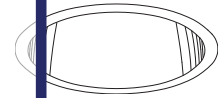
- Prewired 14 GA (NEC) galvanized steel, UL listed. 1/2" and 3/4" knockouts.

Installation

- 27" galvanized steel, 1/2" thick, with a 2" mounting bracket (2 stud holes).
- Recesses indoor or outdoor in covered locations.
- ULC-UL Canada Listing.
- Get into a dry location, covered stairs.
- Through-branch conductors (0-#12).

Three Year Limited Warranty

Complete standard knockouts and wiring.



Recessed Round
Open
Single Reflector

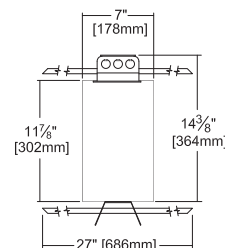
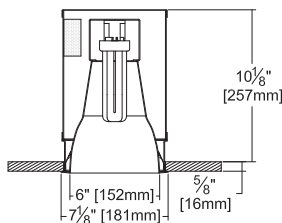
Selected Optional Trims:

- Glow Ring Option -33
- Softex Dune Option -71
- Softex Gold Option -90
- Softex Wheat Option -91
- Wall Wash Option -WW

Please consult
QUOTATIONS
for the best alternative.

Performance at a Glance

FRR-06002

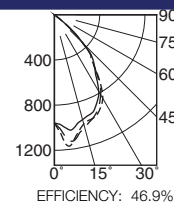


Ceiling Cut-out
6 3/4" Dia.

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.

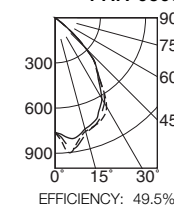
FRR-06002 (1 Triple 42W)



Cone of Light*

Dist.	FC	Dia.
6	26.6	7.3
8	15.0	9.7
10	9.6	12.2
12	6.7	14.6
14	4.9	17.0
16	3.7	19.4
---	0° SC	1.3
---	45° SC	1.3
---	90° SC	1.2

FRR-06002 (1 Triple 32W)



Cone of Light*

Dist.	FC	Dia.
6	21.1	7.3
8	11.9	9.7
10	7.6	12.2
12	5.3	14.6
14	3.9	17.1
16	3.0	19.5
---	0° SC	1.3
---	45° SC	1.3
---	90° SC	1.2

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

1 Triple 42

CATALOG NUMBER

FRR-06002

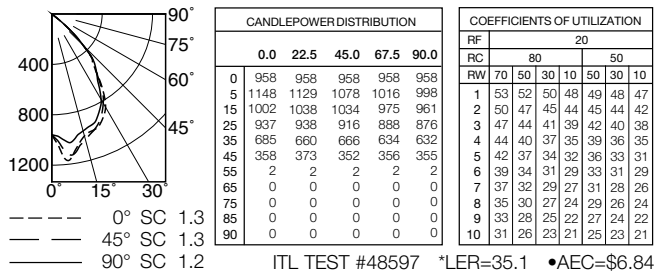
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

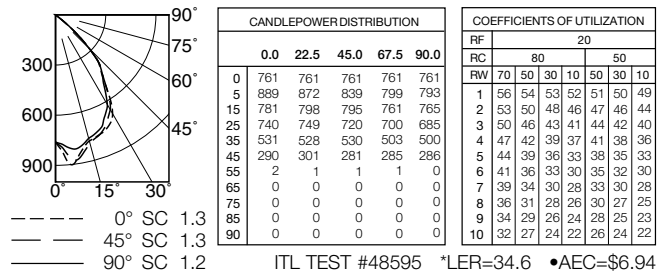
Photometry from I.T.L., Boulder, CO

FRR-06002 (1 Triple 42)



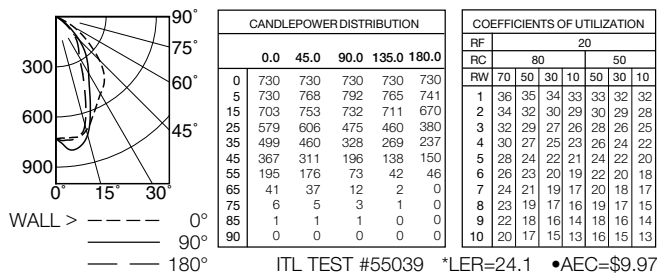
EFFICIENCY : 46.9%

FRR-06002 (1 Triple 32)



EFFICIENCY : 49.5%

FRR-06002-WW (1 Triple 42)



EFFICIENCY : 32.1%

DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE					MULTIPLE FIXTURES				
	1'	2'	3'	4'		3' CENTERS	4' CENTERS			
1	2.5	1.9	1.0	0.5	0.3	3.9	3.6	3.9	4.2	3.2
2	10.0	8.1	4.4	1.8	0.7	13.8	13.4	13.8	11.1	9.5
3	13.8	11.9	7.7	4.0	1.9	22.4	22.5	22.4	17.6	16.3
4	11.7	10.7	7.7	4.7	2.6	23.1	23.4	23.1	17.8	17.2
5	8.4	7.9	6.3	4.3	2.7	20.0	20.5	20.0	15.5	15.7
6	6.1	5.9	5.1	3.8	2.7	16.8	17.3	16.8	13.1	13.4
7	4.6	4.5	3.9	3.2	2.4	14.2	14.5	14.2	11.3	11.5
8	3.7	3.7	3.4	2.7	2.1	12.4	12.5	12.4	10.1	10.1
9	2.9	3.0	2.8	2.4	2.0	11.3	10.8	11.1	8.8	8.4

* 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 Installed electronic dimming ballast. Not Type IC listed. Indoor use. 10°C (50°F) minimum start. Specify wattage, voltage and brand.
- 43 Lower wattage: for either 4-pin electronic 18W triple/quad or 13W quad (only). Specify wattage.
- 97 Specify other voltage. Consult factory.
- 98 347 volt, 50/60 Hz. input. Consult factory.

Emergency Ballast - Specify Voltage¹

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.
- HE¹ Internal higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only. Specify voltage.

Trims

- 31 White acrylic enameled reflector flange.
- 32 White oversize trim ring. Specify O.D.
- 33 Decorative Glow Ring suspended beneath trim assembly for FRR-06002. See page 5.
- 45 Gasket between ceiling and reflector flange.
- 70 SoftTex Clear reflector. (CP x .89)
- 71 SoftTex Dune reflector. (CP x .85)
- 90 SoftTex Champagne Gold reflector. (CP x .88)
- 91 SoftTex Wheat reflector. (CP x .83)
- 94 Custom color/finish. Specify. Consult factory.

- OG OptiGroove black seamless tapered aluminum reflector with white flange. (CP x .80)
- WW Wall wash version instead.

ShatterGuard™ Shield (Beneath Lamp)

- 17 .187" prismatic high strength acrylic.
- SG .125" clear polycarbonate..

Top Access

- TA Top access for servicing from above.

Other

- 99 Special modification. Consult factory.
- 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.

¹ Visit www.kirlinlighting.com for most current performance / specifications.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER