

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

10" 1 Triple 70 WATT MAXIMUM

FRV-10075

Vandal Resistant: Attractive and Shallow

Features

Lamp

- Designed for one 4-pin triple/four tube amalgam compact fluorescent lamp: 70W triple/four tube.

Ballast: Multi-Voltage

- Installed electronic high power factor, thermally protected.
- 120-277 multi-volt; 50/60 Hz. THD < 10%.
- ClickQuick connectors for easy service.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit. RFI filter.
- Internally fused. Also see catalog Option -40.

Reflector

- Specular Alzak® aluminum.

Trim / Lens Assembly

- Vandal resistant tapered aluminum one piece black OptiGroove with white flange or select 40° flush tamper proof hex screws with centering secure trim to captive nuts in housing.
- Continuous lighting and four screw secure lens.
- Lens combines 1/4" clear polycarbonate below with prismatic .187" high-strength acrylic.

Aluminum Housing

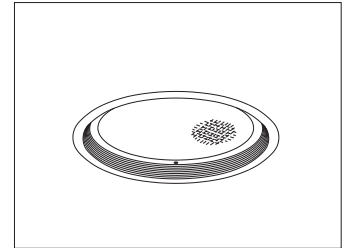
- Acrylic enameled. Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Lightweight: Minimizes ceiling load.
- Cool operation: Extends component life.
- Built-in plaster frame.

Outlet Box

- Prewired 14 GA (NEC) galvanized steel, UL listed, 1/2" and 3/4" knockouts.
- Recesses indoor or outdoor in covered locations.

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-10075

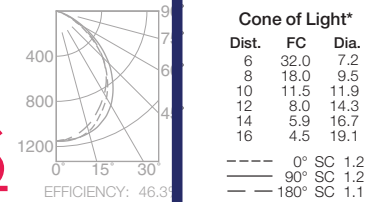


Please consult QUOTATIONS for the best alternative.

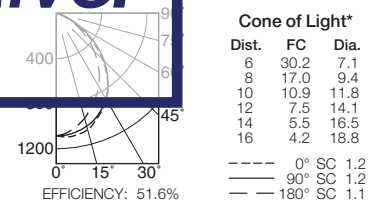
Cone of Light Key

- 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.

FRV-10075 (1 Triple 70W)



FRV-10075-43 (1 Triple 57W)



THE KIRLIN COMPANY

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RENAISSANCE SERIES
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

1 Triple 70

CATALOG NUMBER

FRV-10075

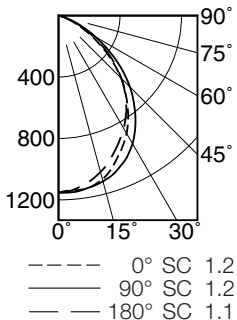
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

FRV-10075 (1 Triple 70)



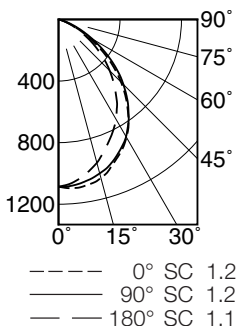
EFFICIENCY : 46.3%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1152	1152	1152	1152	1152
5	1143	1156	1153	1140	1137
15	1103	1105	1117	1069	1054
25	965	1006	1033	964	920
35	790	861	872	830	768
45	575	653	658	636	579
55	327	392	402	389	351
65	124	159	172	161	150
75	16	23	29	24	24
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
	80				50		
	70	50	30	10	50	30	10
1	51	50	48	47	47	46	45
2	48	44	42	40	42	40	38
3	44	40	37	34	38	35	33
4	41	36	32	30	34	31	29
5	38	32	29	26	31	28	26
6	35	29	26	23	28	25	23
7	33	27	23	21	26	23	20
8	30	25	21	18	24	21	18
9	28	23	19	17	22	19	17
10	27	21	18	15	20	17	15

ITL TEST #54897 *LER=38.8 •AEC=\$6.19

FRV-10075-43 (1 Triple 57)



EFFICIENCY : 51.6%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1086	1086	1086	1086	1086
5	1099	1095	1082	1067	1063
15	1068	1052	1035	975	964
25	954	978	941	862	822
35	794	852	796	720	664
45	575	649	597	531	471
55	331	396	368	316	273
65	124	161	158	131	110
75	18	25	28	23	22
85	1	1	1	1	1
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
	80				50		
	70	50	30	10	50	30	10
1	57	55	54	52	52	51	50
2	53	50	47	44	47	45	43
3	49	44	41	38	42	39	37
4	45	40	36	33	38	35	32
5	42	36	32	29	35	31	29
6	39	33	29	26	32	28	25
7	36	30	26	23	29	25	23
8	34	28	24	21	27	23	21
9	32	25	21	19	25	21	19
10	30	24	20	17	23	19	17

ITL TEST #54898 *LER=32.8 •AEC=\$7.32

* 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 @ \$0.09 kWh).

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 at his option will replace or repair, at no charge, any fixture that is found to be defective in workmanship or material. This warranty is limited to the original purchaser and does not cover damage caused by misuse, abuse, or improper installation. Liability of manufacturer is limited to the original purchaser. Liability of 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.

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. Not available with Option -75, -CR or -HR.
- 43 Lower wattage. For 4-pin 57W triple/four tube or 42/32/26W triple or 26W quad (multi-wattage/voltage). Specify wattage.
- 97 Specify other voltage. Consult factory.
- 98 347 volt, 50/60 Hz. input. Consult factory.

Emergency Ballast - Specify Voltage¹

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 ballast. Specify voltage.
- CR Remote cold weather (-20° to 55°C) 1-lamp EM ballast. Specify voltage.
- HR¹ Remote 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.
- 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

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP