

Vandal Resistant Square: 100W MH Alternative

Features

Lamp

- Designed for two 4-pin triple/four tube amalgam 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%.
- Single circuit wiring or see Option -84.
- ClickQuick connectors for easy service.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit. RFI filter.
- Internally fused. Also see Options -FS, -FD.

Reflector

- Full size aluminum with 94% reflectivity (minimum).
- Removable for servicing.

Trim / Lens Assembly

- Injection molded polycarbonate drop bisymmetric distribution lens or see Option -43.

- Permanent continuous extruded tempered aluminum white lens clamps; four flush mounted center pin tamperproof screws with captive nuts.
- Tamperproof tools included. One per ten fixtures.

Aluminum Housing

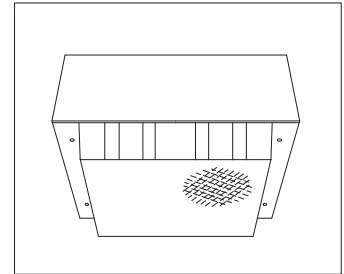
- Substantially 1063 aluminum and extruded.
- White anodized finish. Fastprotek exceeds 1000 hours, 51155 hours salt test.

Installation - FSV-12121

- Indoor or outdoor in covered locations.
- 1/2" trade size 1/8" dia. wiring.
- Four mounting holes, 1" diameter.
- Wet, damp or dry locations, covered ceilings.

Three Year Limited Warranty

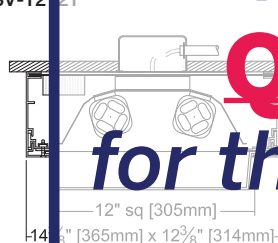
- Complete standard trim and ballast.



THIS PRODUCT IS NO LONGER AVAILABLE

Performance at a Glance

FSV-12121

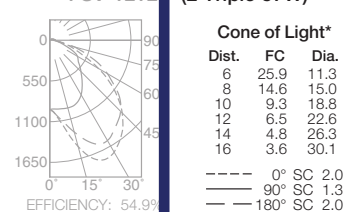


Please consult

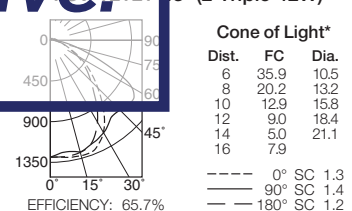
QUOTATIONS

for the best alternative.

FSV-12121 (2 Triple 57W)



FSV-12121-43 (2 Triple 42W)



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

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**RENAISSANCE SERIES
COMPACT FLUORESCENT LIGHTING**

MAXIMUM WATTAGE

2 Triple 57

CATALOG NUMBER

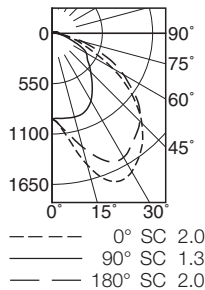
FSV-12121

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

Detailed Photometry - Installed Fixture

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

FSV-12121 (2 Triple 57)



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	933	933	933	933	933
10	1218	1071	939	1050	1129
30	1745	1535	851	1310	1564
50	1201	1282	529	1202	1244
70	365	426	239	429	513
90	69	103	52	96	70
110	43	48	31	44	47
130	18	7	1	6	17
150	0	0	0	0	0
170	0	0	0	0	0
180	0	0	0	0	0

ITL TEST #55036

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	70	50	30	10	50
RW	70	50	30	10	50
1	59	56	54	52	50
2	54	49	45	42	40
3	49	43	38	34	30
4	44	38	33	29	25
5	41	33	28	24	21
6	37	30	25	21	18
7	34	27	22	18	15
8	32	24	19	16	13
9	30	22	17	14	11
10	28	20	16	13	10

*LER=38.7 •AEC=\$6.20

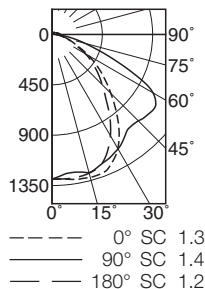
EFFICIENCY : 54.9%

* LER = Luminaire Efficiency Rating

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

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

FSV-12121-43 (2 Triple 42)



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1292	1292	1292	1292	1292
10	1314	1268	1249	1254	1295
30	1176	1195	1181	1078	1045
50	612	867	1116	745	535
70	192	334	496	288	180
90	48	87	74	77	39
110	50	63	43	56	43
130	37	24	14	21	33
150	12	4	0	3	10
170	0	0	0	0	0
180	0	0	0	0	0

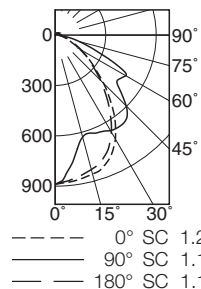
ITL TEST #52007

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	70	50	30	10	50
RW	70	50	30	10	50
1	70	67	64	62	60
2	64	59	54	50	48
3	58	51	46	42	40
4	53	45	40	35	32
5	49	40	35	30	28
6	45	36	30	26	24
7	42	33	27	23	21
8	39	30	24	20	18
9	36	27	22	18	16
10	34	25	20	17	15

*LER=46.8 •AEC=\$5.13

EFFICIENCY : 65.7%

FSV-12121-43 (2 Quad 26)



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	888	888	888	888	888
10	870	791	711	767	852
30	715	561	657	559	667
50	310	423	498	434	297
70	84	142	238	157	95
90	22	39	33	41	22
110	26	31	19	32	26
130	17	12	6	13	17
150	6	4	0	3	6
170	0	0	0	0	0
180	0	0	0	0	0

ITL TEST #40935

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	70	50	30	10	50
RW	70	50	30	10	50
1	65	62	60	57	56
2	59	55	50	47	45
3	54	48	43	39	38
4	50	43	37	33	30
5	46	38	33	29	28
6	42	34	29	25	22
7	39	31	26	22	20
8	36	28	23	20	18
9	34	26	21	18	16
10	32	24	19	16	15

*LER=33.2 •AEC=\$7.24

EFFICIENCY : 60.5%

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. Not available with Option -75, -CR or -HR.
- 43 Lower wattage: for 4-pin 2x42/32/26W triple or 26W quad (multi-wattage/voltage). 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 Voltage¹

Internal (factory installed) or 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 -CE

or -CR) -20° to 55°C (-4° to 131°F).

- 73 Internal 1-lamp EM (42W max.) ballast. Specify voltage.
- 75 Remote 1-lamp EM (57W) ballast. Specify voltage.
- CE Internal cold weather (-20° to 55°C) 1-lamp EM (42W max.) ballast. Specify voltage.
- CR Remote cold weather (-20° to 55°C) 1-lamp EM (57W) ballast. Specify voltage.
- HE¹ Internal higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only. Specify voltage.
- HR¹ Remote higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only. Specify voltage.

Lenses

- 13 Vandal resistant tempered prismatic C#73 spread lens above 1/8" flat polycarbonate.
- 15 Tempered prismatic C#73 glass lens.
- ML MicroLux tempered microprismatic lens.

Luminaire (Housing) Finishes

- 35 Natural aluminum acrylic enamel.
- 36 Gold 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 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

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.E.C. IN NORMAL USE. Manufacturer at his 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 to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability of 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.