

CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

13" x 13" 4 Triple 57 WATT MAXIMUM

FWS-13118

100W MH Equivalent Direct/Indirect: Wall Mount

Features

Lamp

- Designed for two direct/two indirect 4-pin triple/four tube amalgam compact fluorescent lamps; two each 57W triple/four tube direct and indirect.

Ballast: Multi Voltage

- Installed electronic high power factor, thermally protected. For lower wattages: Option -43.
- 120-277 multi-volt; 50/60 Hz; PF > 0.9.
- ClickQuick connectors for easy installation.
- 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.

Reflectors

- GlasSurface™ multi-faceted specular aluminum.

Trim Assemblies

- Tapered aluminum black OptiGroove with white

flange or all white smooth self-flanged trim (Option -40) as shown in section view.

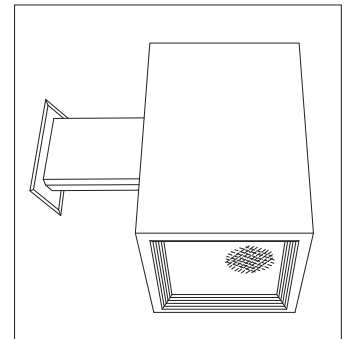
- Regressed tempered prismatic C#73 lens.

Aluminum Housing

- Rigid, rustproof with white acrylic enameled finish.
- Exceeds 1000 hour ASTM 5% salt spray test.
- No visible housing hardware.
- Cool operation: Extends component life.
- Wall Bracket (trust) pre-assembled to housing.
- Wall plate provided concealed on the box.
- Mounting hardware included.
- Indoor or outdoor for covered ceiling use. (See Option -86)
- Wet, damp or dry locations covered ceiling (See Option -89)

Three Year Limited Warranty

- Complete standard fixture and ballast.



Wall Bracket
Square
Regressed Lens
Direct / Indirect

Selected Optional Trim:

- White Grooveless Flare (Option -40)

**THIS PRODUCT
IS NO LONGER
AVAILABLE**

Performance at a Glance

FWS-13118



2 LAMPS IN EACH POSITION

THE KIRLIN COMPANY

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RENAISSANCE SERIES
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

2/2 Triple 57

CATALOG NUMBER

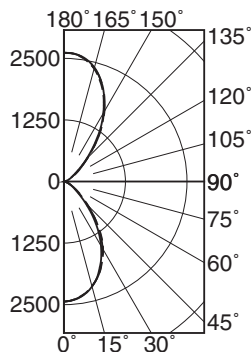
FWS-13118

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

FWS-13118 (2/2 Triple 57)



----- 0° SC 1.0
 ——— 45° SC 1.0
 ——— 90° SC 1.0

EFFICIENCY : 41.3%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2438	2438	2438	2438	2438
5	2326	2327	2328	2335	2336
15	1592	1599	1572	1536	1506
25	464	493	484	450	410
35	88	94	90	91	86
45	0	0	0	0	0
55	90	95	92	93	88
65	455	486	473	462	419
75	1619	1642	1649	1634	1602
85	2511	2520	2526	2529	2531
90	2614	2614	2614	2614	2614

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80			50			
RW	70	50	30	10	50	30	10
1	41	39	38	37	31	30	29
2	38	35	33	31	28	26	25
3	35	31	29	27	25	23	22
4	32	28	25	23	23	21	19
5	30	26	23	20	21	19	17
6	28	23	20	18	19	17	15
7	26	21	18	16	17	15	14
8	24	19	16	14	16	14	12
9	23	18	15	13	15	13	11
10	21	16	14	12	14	12	10

ITL TEST #54931 *LER=28.9 •AEC=\$8.32

* 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

- 43 Lower wattage: for 4-pin 4x42/32/26W 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

- 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 (direct position). Specify voltage.
 - CR Remote cold weather (-20° to 55°C) 1-lamp EM ballast (direct position). Specify voltage.
 - HR¹ Remote higher lumen (up to 1250) 1-lamp EM ballast (direct position). 13-42W only.

Lenses (Direct Position Only)

- 13 Vandal resistant tempered prismatic C#73 spread lens above 1/8" flat polycarbonate.
- 18 Opal flat glass diffuser.
- 20 White aluminum 1/2" cube egg-crate louver.
- 21 White flat polycarbonate diffuser.
- CF High temperature color filter. Specify color. (FWS-13119 with Options -13, -15, -18, -21.)
- FR Fresnel tempered glass lens.
- UV UV filter. Use with Options -13, -15, -18, -21. Consult factory.

Trims (Direct and Indirect Position)

- 40 White grooveless flare trim. (CP x 1.10)
- 45 Gasket between trim and housing.
- 46 Gasket between trim and 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.

Mounting

- 87 Custom wall bracket length. Specify length.

Other

- 86 Prismatic WeatherCap (indirect position) tempered glass lens. Required for wet label.
- 99 Special modification. Consult factory.
- DN Downlight only version of direct/indirect luminaire.
- FD Two 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.