

# The Fairfield Series

Available in LED

Bieber Illumination Group

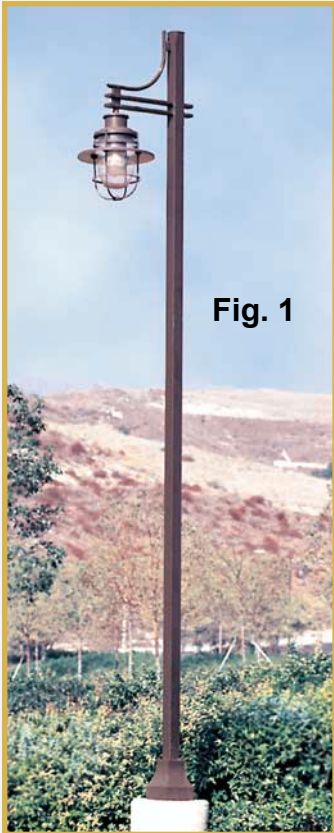


Fig. 1



Fig. 2

**ONE, TWO OR THREE SHADES, BASE DOWN OR UP.**

*Fig. 1: Fairfield on arm AT16/FC, shown with standard single shade.*

*Fig. 2: Fairfield on arm AT26/FC, with double shade option DS.*

*Fig. 3 Shown post-top mounted, with triple shade option TS.*

**UL & CSA LISTED FOR WET LOCATIONS.**

**FACTORY TESTED BEFORE SHIPMENT.**

**HOUSING** – Heavy-duty cast and spun aluminum with fabricated aluminum bar construction.

**MOUNTING** – The standard mounting is base up, as pictured in Figs. 1 and 2 on this page and in Fig. B on page 13. Available modified for base-down mounting, as shown in Fig. 3 on this page and in Fig. A on page 13.

**SHADE(S)** – The standard configuration is one shade (see Fig. 1). Available with two shades (see Fig. 2) or three shades. The triple-shade option is available only when base down (see Fig. 3).

Available with the underside of the shade(s) finished in reflective white. Please see the Options table.

**LENS** – The standard lens is clear impact-resistant acrylic with glass refractor.

**OPTICS** – Available in Type III or Type V. The lamp is vertical.

**ELECTRICAL COMPONENTS** – All ballasts are CWA/HPF regulating auto-transformers, available in MH or HPS. Starting temperature for MH is -20°F, and HPS starts at -40°F. Sources 50W or less are available only at 120V or 277V. Maximum wattage is 250W.

**SOCKET** – Glazed porcelain, mogul or medium base, rated to 600V.

**ARM** – All aluminum construction. See pages 30-31.

**POLES & BASES** – Bieber can supply square or round poles in straight or tapered styles. See pages 32-33.

**PHOTOMETRICS** – See page 34, Fig. 4.

**FINISH** – The finish is thermoset polyester oven-baked powder coat internal and external, in any standard Bieber Lighting color. Custom colors are available to your specifications; consult factory.

LED information:

EncapLED, an IP66-rated and DLC listed LED module, combines optics and heat sink into one configurable unit which give precise light distribution. It allows us to do 10w., 30w. & 40w. increment adjustment on light output. The module has 115lm/W efficacy with LUXEON LUMILEDS TX CHIPS. Beside maximizing heat dissipation surface, we also utilize convection-based heat management which creates additional air flow around each chip. Unlike a big metal heat sink, where the temperature for the chips in the middle is higher than the rest, the heat of each EncapLED chip gets dissipated evenly. A better heat dissipation design keeps the junction temperature low and ultimately prolongs the life of the LED chips. Our modules are available in any of our fixtures designs, as well as in a simple retro-fit kit form for existing fixtures.

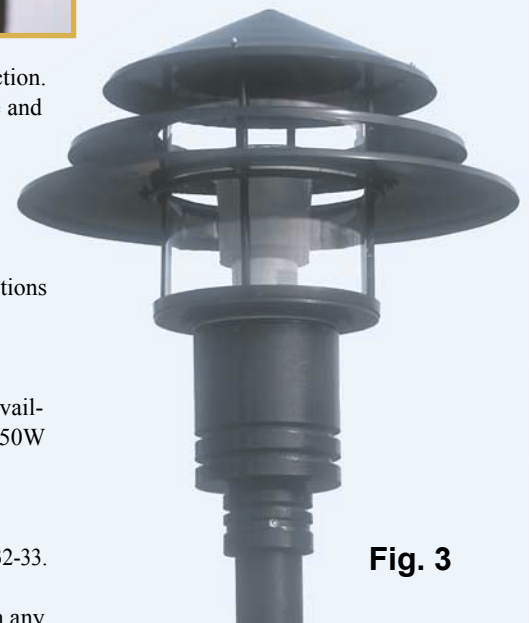


Fig. 3

# The Fairfield Series

	1	2	3	4	5	6	7	8	9
<b>FIXTURE</b>	<b>SIZE</b>	<b>SOURCE</b>	<b>VOLTS</b>	<b>LAMP</b>	<b>OPTICS</b>	<b>MOUNT</b>	<b>ARM</b>	<b>COLOR</b>	<b>OPTIONS</b>
<b>FRF</b>	<b>20</b>	<b>N2</b>	<b>2</b>	<b>L</b>	<b>5</b>	<b>A</b>	<b>AT 16/FC</b>	<b>WH</b>	<b>MT, DS</b>

Create a catalog number from the tables below. Example number: FRF – 20 – N2 – 2 – L – 5 – A – AT 16/FC – WH – MT, DS

### 1 SIZE

	Size = 10	Size = 20
A	20"	28"
B	16"	28"
Max Watts	100W	250W
EPA	2.0	2.4

Size = 30  
Custom  
Please consult factory.

### 2 LIGHT SOURCE

	HPS	MH
35W	B1*	B2*
50W	C1*	C2*
70W	E1	E2
100W	H1	H2
150W	J1	J2
175W	•	K2
250W	N1	N2

\* see note in Voltage table

Pulse start also available; consult factory.

### 3 VOLTAGE

120V = 2	} Also available in Multi-Tap: see Options table
208V = 0	
240V = 4	
277V = 7	
347V = 3	} Not available in Multi-Tap
480V = 8	

**NOTE:**  
35W AND 50W SOURCES IN 120V OR 277V ONLY.

### 4 LAMP

L = with lamp  
N = no lamp  
L/MS = with Super Metal Halide lamp

### 5 OPTICS

3 = Type III  
5 = Type V

### 6 MOUNTING ARRANGEMENT\*

A = ●●  
B = ●●●  
C = ●●●

D = ●●●●  
E = ●●●●  
F = ●●●●●

G = ● wall mount  
H = other; consult factory  
I = post-top  
J = ●●●● quad plus post-top

### 7 ARM

Please see Architectural Arms on pages 30 and 31.  
Specify I for post-top.

### 8 COLOR

<b>BK</b> = Black	<b>DB</b> = Dark Bronze
<b>GR</b> = Green	<b>SL</b> = Silver
<b>WH</b> = White	<b>GY</b> = Gray
<b>BU</b> = Blue	<b>VP</b> = Verde Patina
	<b>CC</b> = Custom Color

### 9 OPTIONS

SF = single in-line fuse  
DF = double in-line fuse  
PC = photo cell  
IS = internal shield  
FV = international ballast; specify cycles & voltage  
QR = quartz restrike  
MT = multi-tap transformer  
DS = double shade (see Figs. A & B at right)  
TS = triple shade (with base-down option only: see Fig. 3 on page 12.)  
BD = base-down mounting position (see Fig. A at right)  
WR = underside of shade(s) finished with white powder coat

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\* For more detailed information on mounting arrangements, and for wall mount, please see Pole/Arm section of catalog. For pole ordering information, please see Pole/Arm Section of catalog. If poles are not ordered along with fixtures, please specify mounting requirements when ordering fixtures. This document contains proprietary information of the Bieber Illumination Group and is transmitted in confidence. Any reproduction, disclosure or use of this document is expressly prohibited except as Bieber Illumination Group may agree in writing. Because of ongoing product refinement, Bieber Illumination Group reserves the right to change specifications without notice. For customized requirements, please consult factory.