

DESCRIPTION

The AFM-L Series is a versatile area, wallpack, and floodlight solution featuring a durable die-cast aluminum housing with a textured powder coated finish. Available in multiple lumen packages up to 37,035 lumens, this compact fixture delivers long life and high performance with efficacies up to 151 lumens per watt. Offering Type I, II, III, IV, V, and Narrow Beam distributions along with multiple CCT options, the AFM-L Series provides flexible lighting for a wide range of exterior applications. Designed for adaptability, it supports a variety of mounting configurations for precise aiming and positioning, making it ideal for commercial and industrial environments requiring reliable and efficient illumination.

SPECIFICATIONS

Construction:

- Die-cast aluminum housing and front frame with nickel-plated stainless steel hardware and powder coated bronze finish
- Integral heat sink for maximized heat dissipation
- Tempered clear flat, prismatic tempered flat glass or diffused flat glass lens

Optics/LEDs:

- 105 to 272 Watts with lumen packages up to 37,035
- Type I, II, III, IV, V or Narrow Beam optics
- 3000K, 4000K, 5000K CCT
- 80 CRI
- Efficacy up to 151 lumens per watt
- L70 ≥ 290,000 hours

Electrical:

- 120-277VAC, 50/60Hz
- 0-10V Dimming driver
- Optional 347-480VAC (Option: HVS)
- Power Factor ≥ 0.90

Installation:

- Multiple mounting options available including pole mount arm, pole mount adapter, slipfitter, trunnion, wall mount, and yoke
- Slipfitter fits standard 2 3/8" tenons; knuckle/trunnion/yoke mounts provide surface mounting capability
- Adjustable mounts allow for field aiming and positioning

Options:

- Fuse; Single Fuse (Option: F) or Double Fuse (Option: FD)
- PIR Motion Sensor with mounting height of 20ft - 35ft (Option: MS1)
- PIR Motion Sensor with mounting height < 18ft (Option: MS2)
- Microwave Motion Sensor with mounting height < 25ft (Option: SC)
- Twist Lock Photocontrol receptacle; 3-pin (TLPR3), 5-pin (TLPR5), 7-pin (TLPR7)
- Surge Protector; 120-277VAC Surge Protector (Option: SP)

Model: _____ Date: _____
Accessories: _____
Job Name: _____ Type: _____



Shown with "A"
Pole Mount Arm

Shown with "SF"
Slipfitter Mount



Testing & Compliance:

- cETLus Listed for Wet Locations
- IP66 Rated LED Compartment
- Operating Temperatures: -40°C to 50°C (-40°F to 122°F)
- Buy American Act compliant

Field Installed Accessories:

- Aluminum glare/house side shield, bronze finish, includes hardware. (AFM-L-GS)
- Wire guard, stainless steel construction, includes hardware. (AFM-L-WG)
- 120-277VAC Universal Twist Lock Photocell (AFM-L-TLPC)
- 480VAC Time Delay Twist Lock Photocell (AFM-L-TLPC4)

Warranty:

- Five Year Warranty (Terms and Conditions Apply)

| Specs at a Glance | | | | | | | | | |
|-----------------------|--|-----------------|-----------------|-----------------|-------------------------------------|-----------------|-----------------|-----------------|-------------------------------------|
| Model | AFM-L-105 | AFM-L-117 | AFM-L-140 | AFM-L-150 | AFM-L-180 | AFM-L-195 | AFM-L-211 | AFM-L-242 | AFM-L-272 |
| Wattage (W)* | 105W | 117W | 140W | 150W | 180W | 195W | 211W | 242W | 272W |
| Lumens (lm) | 12,240 - 14,320 | 13,724 - 16,059 | 16,444 - 19,238 | 20,190 - 22,291 | 20,648 - 24,160 | 22,626 - 26,475 | 24,604 - 28,791 | 33,047 - 36,387 | 31,651 - 37,035 |
| Efficacy (LPW) | Up to 137 | Up to 138 | Up to 138 | Up to 151 | Up to 135 | Up to 137 | Up to 137 | Up to 151 | Up to 137 |
| Distribution | Type I, II, III, IV, V, Narrow Beam | | | Type III, IV, V | Type I, II, III, IV, V, Narrow Beam | | | Type III, IV, V | Type I, II, III, IV, V, Narrow Beam |
| CCT (K) | 3000K, 4000K, 5000K | | | 4000K, 5000K | 3000K, 4000K, 5000K | | | 4000K, 5000K | 3000K, 4000K, 5000K |
| CRI | 80 | | | | | | | | |
| Input Voltage | 120-277VAC or 347-480VAC | | | | | | | | |
| Operating Temp | -40°C to 50°C (-40°F to 122°F) | | | | | | | | |
| Certifications | ETL Listed for Wet Locations, IP66 Rated LED Compartment | | | | | | | | |
| Warranty | 5 Years | | | | | | | | |

* Nominal Wattage, tested at 4000K CCT. See performance table for details.

Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

ORDERING INFORMATION (Example: AFM-L-105-1-C-VS-4K-BR-A-F)

| Model | Wattage | Distribution | Lens | Input Voltage | CCT | Finish |
|---------------|-----------------------------|--------------------------------|--------------------------------------|------------------|------------|-------------|
| AFM-L = Large | 105 ¹ = 105 Watt | 1 = Type I / NEMA 7H x 5V | C = Tempered Clear Flat Glass | VS = 120-277VAC | 3K = 3000K | BR = Bronze |
| | 117 ¹ = 117 Watt | 2 = Type II / NEMA 7H x 6V | D ³ = Diffused Flat Glass | HVS = 347-480VAC | 4K = 4000K | |
| | 140 ¹ = 140 Watt | 3 = Type III / NEMA 7H x 7V | P = Prismatic Tempered Flat Glass | | 5K = 5000K | |
| | 150 ² = 150 Watt | 4 = Type IV / NEMA 7H x 6V | | | | |
| | 180 ¹ = 180 Watt | 5 = Type V / NEMA 7H x 7V | | | | |
| | 195 ¹ = 195 Watt | N = Narrow Beam / NEMA 4H x 4V | | | | |
| | 211 ¹ = 211 Watt | | | | | |
| | 242 ² = 242 Watt | | | | | |
| | 272 ¹ = 272 Watt | | | | | |

| Mounting | Options | Accessories ⁶ (Field installed, order as separate line item) |
|-------------------------|---|--|
| BLANK = No Mount | F ⁴ = Fuse | AFM-L-GS = Glare Shield, Bronze Finish |
| A = Pole Mount Arm | FD ⁴ = Double Fuse | AFM-L-WG = Wire Guard, Stainless Steel |
| PA = Pole Mount Adapter | MS1 ⁴ = PIR Motion Sensor, Mounting Height 20ft - 35ft | AFM-L-TLPC = 120-277VAC Universal Twist Lock Photocell |
| SF = Slipfitter | MS2 ⁴ = PIR Motion Sensor, Mounting Height <18ft | AFM-L-TLPC4 = 480VAC Time Delay Twist Lock Photocell. For 480V use only. |
| T = Trunnion Mount | SC ⁴ = Microwave Motion Sensor, Mounting Height <35ft | |
| W = Wall Mount | SP ⁴ = 120-277VAC Surge Protector | |
| Y = Yoke Mount | TLPR3 ⁵ = 3-Pin Twist Lock Receptacle | |
| | TLPR5 ⁵ = 5-Pin Twist Lock Receptacle | |
| | TLPR7 ⁵ = 7-Pin Twist Lock Receptacle | |

Notes:

¹ 3000K only available in Type III; not available in 4000K Narrow Beam

² Only available in Type III, Type IV, Type V at 4000K and 5000K

³ Type V only

⁴ 120-277VAC only

⁵ Order Photocontrol as a separate line item, see Accessories

⁶ Order as a separate line item, shipped in separate box for final installation in the field

PERFORMANCE DATA

| Model | Wattage | CCT | Lumens | LPW | BUG Ratings | CRI |
|-------------|---------|-------|--------|-----|-------------|-----|
| AFM-L-105-1 | 104.8W | 4000K | 12,831 | 122 | B3-U0-G2 | 80 |
| AFM-L-105-1 | 104.8W | 5000K | 13,331 | 127 | B3-U0-G2 | 80 |
| AFM-L-105-2 | 104.8W | 4000K | 12,240 | 117 | B2-U0-G2 | 80 |
| AFM-L-105-2 | 104.8W | 5000K | 12,717 | 121 | B2-U0-G2 | 80 |
| AFM-L-105-3 | 104.8W | 3000K | 12,922 | 123 | B3-U0-G3 | 80 |
| AFM-L-105-3 | 104.8W | 4000K | 13,446 | 128 | B3-U0-G3 | 80 |
| AFM-L-105-3 | 104.8W | 5000K | 13,970 | 133 | B3-U0-G3 | 80 |
| AFM-L-105-4 | 104.8W | 4000K | 13,629 | 130 | B2-U0-G3 | 80 |
| AFM-L-105-4 | 104.8W | 5000K | 14,160 | 135 | B2-U0-G3 | 80 |
| AFM-L-105-5 | 104.8W | 3000K | 12,327 | 118 | B3-U0-G1 | 80 |
| AFM-L-105-5 | 104.8W | 4000K | 12,826 | 122 | B3-U0-G1 | 80 |
| AFM-L-105-5 | 104.8W | 5000K | 13,326 | 127 | B3-U0-G1 | 80 |
| AFM-L-105-I | 104.8W | 5000K | 14,320 | 137 | - | 80 |
| AFM-L-117-1 | 116.5W | 4000K | 14,386 | 123 | B3-U0-G2 | 80 |
| AFM-L-117-1 | 116.5W | 5000K | 14,946 | 128 | B3-U0-G2 | 80 |
| AFM-L-117-2 | 116.5W | 4000K | 13,724 | 118 | B2-U0-G2 | 80 |
| AFM-L-117-2 | 116.5W | 5000K | 14,259 | 122 | B2-U0-G2 | 80 |
| AFM-L-117-3 | 116.5W | 3000K | 14,489 | 124 | B3-U0-G3 | 80 |
| AFM-L-117-3 | 116.5W | 4000K | 15,076 | 129 | B3-U0-G3 | 80 |
| AFM-L-117-3 | 116.5W | 5000K | 15,664 | 134 | B3-U0-G3 | 80 |

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 Installation must be performed in accordance with
 Barron Lighting Group installation instructions.

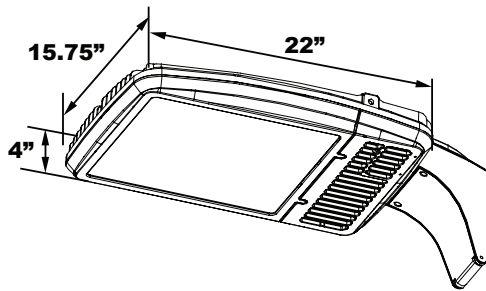
PERFORMANCE DATA (continued)

| Model | Wattage | CCT | Lumens | LPW | BUG Ratings | CRI |
|-------------|---------|-------|--------|-----|-------------|-----|
| AFM-L-117-4 | 116.5W | 4000K | 15,282 | 131 | B3-U0-G3 | 80 |
| AFM-L-117-4 | 116.5W | 5000K | 15,877 | 136 | B3-U0-G3 | 80 |
| AFM-L-117-5 | 116.5W | 3000K | 13,821 | 119 | B3-U0-G1 | 80 |
| AFM-L-117-5 | 116.5W | 4000K | 14,381 | 123 | B3-U0-G1 | 80 |
| AFM-L-117-5 | 116.5W | 5000K | 14,941 | 128 | B3-U0-G1 | 80 |
| AFM-L-117-I | 116.5W | 5000K | 16,059 | 138 | - | 80 |
| AFM-L-140-1 | 139.5W | 4000K | 17,237 | 124 | B4-U0-G2 | 80 |
| AFM-L-140-1 | 139.5W | 5000K | 17,909 | 128 | B4-U0-G2 | 80 |
| AFM-L-140-2 | 139.5W | 4000K | 16,444 | 118 | B3-U0-G2 | 80 |
| AFM-L-140-2 | 139.5W | 5000K | 17,084 | 122 | B3-U0-G2 | 80 |
| AFM-L-140-3 | 139.5W | 3000K | 17,360 | 124 | B3-U0-G3 | 80 |
| AFM-L-140-3 | 139.5W | 4000K | 18,064 | 129 | B3-U0-G3 | 80 |
| AFM-L-140-3 | 139.5W | 5000K | 18,768 | 135 | B3-U0-G3 | 80 |
| AFM-L-140-4 | 139.5W | 4000K | 18,312 | 131 | B3-U0-G4 | 80 |
| AFM-L-140-4 | 139.5W | 5000K | 19,024 | 136 | B3-U0-G4 | 80 |
| AFM-L-140-5 | 139.5W | 3000K | 16,560 | 119 | B4-U0-G2 | 80 |
| AFM-L-140-5 | 139.5W | 4000K | 17,231 | 124 | B4-U0-G2 | 80 |
| AFM-L-140-5 | 139.5W | 5000K | 17,903 | 128 | B4-U0-G2 | 80 |
| AFM-L-140-I | 139.5W | 5000K | 19,238 | 138 | - | 80 |
| AFM-L-150-3 | 148.1W | 4000K | 21,166 | 143 | B3-U0-G3 | 80 |
| AFM-L-150-3 | 148.1W | 5000K | 21,990 | 148 | B3-U0-G3 | 80 |
| AFM-L-150-4 | 148.1W | 4000K | 21,455 | 145 | B3-U0-G4 | 80 |
| AFM-L-150-4 | 148.1W | 5000K | 22,291 | 151 | B3-U0-G4 | 80 |
| AFM-L-150-5 | 148.1W | 4000K | 20,190 | 136 | B4-U0-G1 | 80 |
| AFM-L-150-5 | 148.1W | 5000K | 20,976 | 142 | B4-U0-G1 | 80 |
| AFM-L-180-1 | 178.8W | 4000K | 21,644 | 121 | B4-U0-G3 | 80 |
| AFM-L-180-1 | 178.8W | 5000K | 22,487 | 126 | B4-U0-G3 | 80 |
| AFM-L-180-2 | 178.8W | 4000K | 20,648 | 115 | B3-U0-G3 | 80 |
| AFM-L-180-2 | 178.8W | 5000K | 21,452 | 120 | B3-U0-G3 | 80 |
| AFM-L-180-3 | 178.8W | 3000K | 21,798 | 122 | B3-U0-G3 | 80 |
| AFM-L-180-3 | 178.8W | 4000K | 22,682 | 127 | B3-U0-G3 | 80 |
| AFM-L-180-3 | 178.8W | 5000K | 23,566 | 132 | B3-U0-G3 | 80 |
| AFM-L-180-4 | 178.8W | 4000K | 22,992 | 129 | B3-U0-G4 | 80 |
| AFM-L-180-4 | 178.8W | 5000K | 23,888 | 134 | B3-U0-G4 | 80 |
| AFM-L-180-5 | 178.8W | 3000K | 20,793 | 116 | B4-U0-G2 | 80 |
| AFM-L-180-5 | 178.8W | 4000K | 21,636 | 121 | B4-U0-G2 | 80 |
| AFM-L-180-5 | 178.8W | 5000K | 22,479 | 126 | B4-U0-G2 | 80 |
| AFM-L-180-I | 178.8W | 5000K | 24,160 | 135 | - | 80 |
| AFM-L-195-1 | 193.7W | 4000K | 23,717 | 122 | B4-U0-G3 | 80 |
| AFM-L-195-1 | 193.7W | 5000K | 24,641 | 127 | B4-U0-G3 | 80 |
| AFM-L-195-2 | 193.7W | 4000K | 22,626 | 117 | B3-U0-G3 | 80 |
| AFM-L-195-2 | 193.7W | 5000K | 23,507 | 121 | B3-U0-G3 | 80 |
| AFM-L-195-3 | 193.7W | 3000K | 23,887 | 123 | B3-U0-G3 | 80 |
| AFM-L-195-3 | 193.7W | 4000K | 24,855 | 128 | B3-U0-G3 | 80 |
| AFM-L-195-3 | 193.7W | 5000K | 25,824 | 133 | B3-U0-G3 | 80 |
| AFM-L-195-4 | 193.7W | 4000K | 23,545 | 122 | B3-U0-G4 | 80 |
| AFM-L-195-4 | 193.7W | 5000K | 24,462 | 126 | B3-U0-G4 | 80 |
| AFM-L-195-5 | 193.7W | 3000K | 22,785 | 118 | | 80 |

PERFORMANCE DATA (continued)

| Model | Wattage | CCT | Lumens | LPW | BUG Ratings | CRI |
|-------------|---------|-------|--------|-----|-------------|-----|
| AFM-L-195-5 | 193.7W | 4000K | 23,709 | 122 | B4-U0-G2 | 80 |
| AFM-L-195-5 | 193.7W | 5000K | 24,633 | 127 | B4-U0-G2 | 80 |
| AFM-L-195-I | 193.7W | 5000K | 26,475 | 137 | - | 80 |
| AFM-L-211-1 | 210.6W | 4000K | 25,791 | 122 | B4-U0-G3 | 80 |
| AFM-L-211-1 | 210.6W | 5000K | 26,796 | 127 | B4-U0-G3 | 80 |
| AFM-L-211-2 | 210.6W | 4000K | 24,604 | 117 | B3-U0-G3 | 80 |
| AFM-L-211-2 | 210.6W | 5000K | 25,563 | 121 | B3-U0-G3 | 80 |
| AFM-L-211-3 | 210.6W | 3000K | 25,975 | 123 | B3-U0-G3 | 80 |
| AFM-L-211-3 | 210.6W | 4000K | 27,028 | 128 | B3-U0-G3 | 80 |
| AFM-L-211-3 | 210.6W | 5000K | 28,082 | 133 | B3-U0-G3 | 80 |
| AFM-L-211-4 | 210.6W | 4000K | 25,604 | 122 | B3-U0-G4 | 80 |
| AFM-L-211-4 | 210.6W | 5000K | 26,601 | 126 | B3-U0-G4 | 80 |
| AFM-L-211-5 | 210.6W | 3000K | 24,778 | 118 | B4-U0-G2 | 80 |
| AFM-L-211-5 | 210.6W | 4000K | 25,782 | 122 | B4-U0-G2 | 80 |
| AFM-L-211-5 | 210.6W | 5000K | 26,787 | 127 | B4-U0-G2 | 80 |
| AFM-L-211-I | 210.6W | 5000K | 28,791 | 137 | - | 80 |
| AFM-L-242-3 | 241.1W | 4000K | 34,305 | 142 | B4-U0-G4 | 80 |
| AFM-L-242-3 | 241.1W | 5000K | 35,641 | 148 | B4-U0-G4 | 80 |
| AFM-L-242-4 | 241.1W | 4000K | 36,387 | 151 | B3-U0-G5 | 80 |
| AFM-L-242-4 | 241.1W | 5000K | 34,775 | 144 | B3-U0-G5 | 80 |
| AFM-L-242-5 | 241.1W | 4000K | 36,128 | 150 | B5-U0-G2 | 80 |
| AFM-L-242-5 | 241.1W | 5000K | 33,047 | 137 | B5-U0-G2 | 80 |
| AFM-L-272-1 | 271.2W | 4000K | 33,178 | 122 | B5-U0-G3 | 80 |
| AFM-L-272-1 | 271.2W | 5000K | 34,471 | 127 | B5-U0-G3 | 80 |
| AFM-L-272-2 | 271.2W | 4000K | 31,651 | 117 | B3-U0-G3 | 80 |
| AFM-L-272-2 | 271.2W | 5000K | 32,884 | 121 | B3-U0-G3 | 80 |
| AFM-L-272-3 | 271.2W | 3000K | 33,416 | 123 | B4-U0-G4 | 80 |
| AFM-L-272-3 | 271.2W | 4000K | 34,770 | 128 | B4-U0-G4 | 80 |
| AFM-L-272-3 | 271.2W | 5000K | 36,125 | 133 | B4-U0-G4 | 80 |
| AFM-L-272-4 | 271.2W | 4000K | 32,937 | 121 | B3-U0-G5 | 80 |
| AFM-L-272-4 | 271.2W | 5000K | 34,221 | 126 | B3-U0-G5 | 80 |
| AFM-L-272-5 | 271.2W | 3000K | 31,875 | 118 | B5-U0-G2 | 80 |
| AFM-L-272-5 | 271.2W | 4000K | 33,167 | 122 | B5-U0-G2 | 80 |
| AFM-L-272-5 | 271.2W | 5000K | 34,459 | 127 | B5-U0-G2 | 80 |
| AFM-L-272-I | 271.2W | 5000K | 37,035 | 137 | - | 80 |

DIMENSIONS



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 Barron Lighting Group installation instructions.

MOUNTING OPTIONS



Pole Mount Arm
(Option: A)



Pole Mount Adapter
(Option: PA)



Slipfitter
(Option: SF)



Trunnion Mount
(Option: T)



Wall Mount
(Option: W)

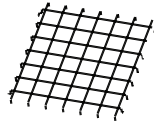


Yoke Mount
(Option: Y)

ACCESSORIES (sold separately for field installation)



Glare Shield
AFM-M-GS
(Sold Separately)



Wireguard
AFM-M-WG
(Sold Separately)