FP Series| HFP

NSF • IP66 • COLD STORAGE • LINEAR HIGH-BAY

The FP Series HFP2, HFP4, and HFP8 pendant and ceiling mount linear LED luminaire provides controlled illumination for general and task lighting designed for the harsh environments found in food processing and heavy manufacturing facilities. The FP Series luminaire utilizes high efficiency LED light sources to reduce maintenance and lower energy costs. These high-quality durable fixtures are used in food and beverage processing, meat and poultry processing, livestock agricultural facilities, heavy industrial, and manufacturing facilities. Typical lighting applications include meat and poultry processing, food and beverage processing, cold storage, harsh environment industrial, vehicle wash facilities, pharmaceutical and scientific labs. Mounting heights of 8 to 25 feet can be used based on light level and uniformity requirements.

**FP Series HFP 4FT Shown
2FT and 8 FT Available**

**Shown with Optional
Internal Microwave Sensor**

Specifications and Features:

Housing:
Heavy-Duty Extruded and Die Cast Aluminum Housing construction with silicone gaskets and stainless-steel fasteners. Drivers, sensors, and battery backup are mounted on modular internal trays for easy maintenance.

Listing & Ratings:
ETL: Listed for Wet Locations, ANSI/UL 1598, 8750. ETL Sanitation certified to National Sanitation Foundation ANSI NSF2, Food Splash Zone. IP66 Sealed LED Compartment, Pressure wash rated to 1400 PSI.

Finish:
Powdercoat Finish Over a Chromate Conversion Coating.

Lens:
Clear UV-Stabilized Polycarbonate or Optional DR Acrylic Lens. Medium Distribution (70˚ Beam) or Wide Distribution (110˚ Beam) available.

Mounting Options:
Pendant Mount or Use Optional Stainless Steel Adjustable wall/Ceiling Bracket (Field Installed) available.

EasyLED LED:
Aluminum Boards

Wattage:
AFP2 – 2FT – 25w, 35w, or 50w Array
AFP4 – 4FT – 50w, 75w, or 100w Array
AFP8 – 8FT – 150w or 200w Array

Driver:
Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2KV to 6kV depending on wattage. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Controls:
Fixtures Ordered with Factory-Installed Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with Controls and May Not Function Properly with Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Warranty:
5-Year Warranty for -40°C to +55°C Environment.

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HIGH5LED

Job Name:

Type:

Part #:

Notes:

We have custom and standard manufacturing options. Use this form to build your part number or reach out to our sales team for assistance.

GET YOUR PRODUCTS FASTER WITH OUR QUICK SHIP PROGRAM

Multiple USA locations = 98-3-1 Quick Ship Program
98% Fill Rate – 3 Day Lead Time – 1 Piece Minimum Order

2 Feet
4 Feet
8 Feet

Order Information Example:	AFP2QM1X50U5KCPW

HFP2Q — — — **U** — — — **W** —

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
HFP2Q=2 FT FP Series EasyLED Food Processing Harsh Environment Linear Optics Pendant Fixture	F=Medium Bream 70° W=Wide Bream 110° *See Page 5 for Distribution Information.	1X25=25W 1X35=35W 1X50=50W	U=120-277V	4K=4000K 5K=5000K	CP=Clear Polycarbonate* CA=Clear DR Acrylic *Not recommended for Alkaline Industrial Cleaners.	W=White	SF=Single Fuse* DF=Double Fuse* SP=10 KV Surge Protector* SP2=20 KV Surge Protector* S3=Internal Microwave Sensor with Dimming for Mounting Heights of 25' or less BU=Battery Backup, 90 Minutes* *120-277V Models Only.

Order Information Example:	AFP4QW1X75U4KCAW

HFP4Q — — — — — — **W** —

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
HFP4Q=4 FT FP Series EasyLED Food Processing Harsh Environment Linear Optics Pendant Fixture	F=Medium Bream 70° W=Wide Bream 110° *See Page 5 for Distribution Information.	1X50=50W 1X75=75W 1X100=100W	U=120-277V H=347-480V	4K=4000K 5K=5000K	CP=Clear Polycarbonate* CA=Clear DR Acrylic *Not recommended for Alkaline Industrial Cleaners.	W=White	SF=Single Fuse* DF=Double Fuse* SP=10 KV Surge Protector* SP2=20 KV Surge Protector* S3=Internal Microwave Sensor with Dimming for Mounting Heights of 25' or less BU=Battery Backup, 90 Minutes* *120-277V Models Only.

Order Information Example:	AFP8QM1X150U5KCPW

HFP8Q — — — — — — **W** —

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
HFP8Q=8 FT FP Series EasyLED Food Optics Processing Harsh Environment Linear	F=Medium Bream 70° W=Wide Bream 110° *See Page 5 for Distribution Information.	1X150=150W 1X200=200W	U=120-277V H=347-480V	4K=4000K 5K=5000K	CP=Clear Polycarbonate* CA=Clear DR Acrylic *Not recommended for Alkaline Industrial Cleaners.	W=White	SF=Single Fuse* DF=Double Fuse* SP=10 KV Surge Protector* SP2=20 KV Surge Protector* S3=Internal Microwave Sensor with Dimming for Mounting Heights of 25' or less BU=Battery Backup, 90 Minutes* *120-277V Models Only.

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Accessories & Replacement Parts:

| Mounting Accessories (Order Separately, Field Installed)	Accessories (Order Separately, Field Installed)	Replacement Parts (Order Separately, Field Installed)
AFPBSS — FP Series Surface Mounting Bracket (Includes 2)	P17122 — Remote Programming Tool for P17121	P17121 — Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 Spec. Page for Details.

FPBSS
One Bracket Mounts to Each End.

P17122

For Replacement Battery Backup, see the LED Battery Backup Specification Sheet.

P17121

Dimensions

2FT FP Series (HFP2Q)
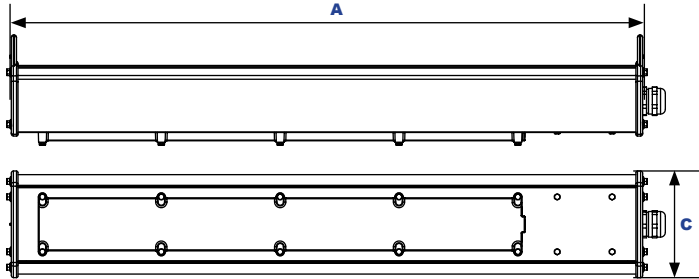
Dimensions	
Width (C)	4.1˝ (103mm)
Length (A)	24˝ (610mm)

4FT FP Series (HFP4Q)
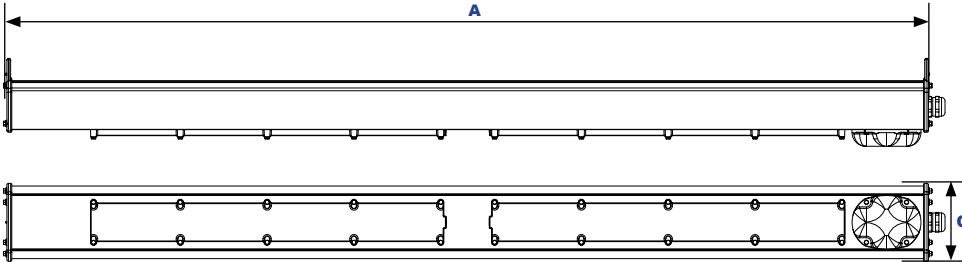
Dimensions	
Width (C)	4.1˝ (103mm)
Length (A)	48˝ (1,219mm)

8FT FP Series (HFP8Q)
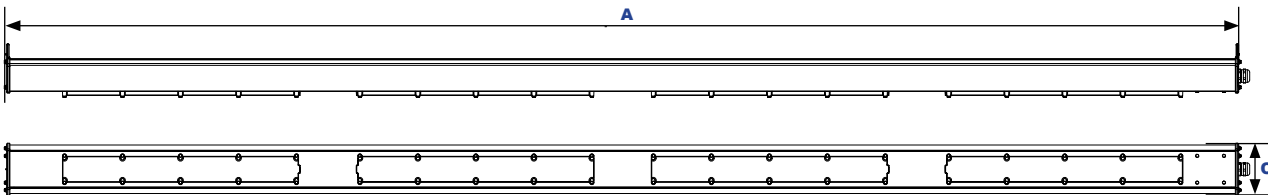
Dimensions	
Width (C)	4.1˝ (103mm)
Length (A)	96˝ (2,438mm)

End Cap
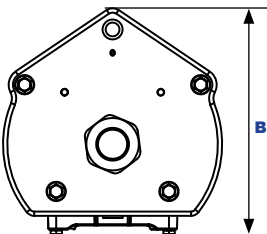
Dimensions	
Heights (B)	4.1˝ (104mm)

End Cap with Microwave Sensor
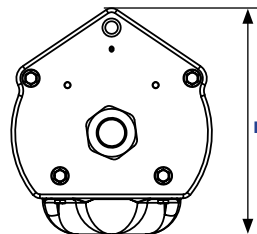
Dimensions	
Heights (B)	4.6˝ (116mm)

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Photometric Data

Maximum Candela = 7979.272   Located At Horizontal Angle = 90, Vertical Angle = 1
1 – Vertical Plane Through Horizontal Angles (90 – 270) (Through Max. Cd.)
2 – Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)
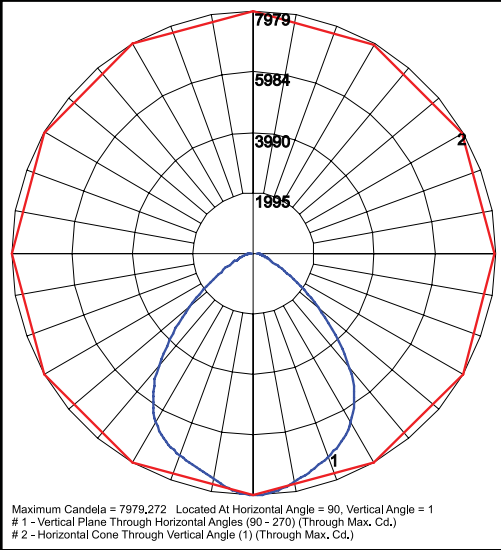
HFP4QM1X100U4K
Grid in feet, Mounting Height = 25 ft.

Maximum Candela = 5447.187   Located At Horizontal Angle = 270, Vertical Angle = 4
1 – Vertical Plane Through Horizontal Angles (270 – 90) (Through Max. Cd.)
2 – Horizontal Cone Through Vertical Angle (4) (Through Max. Cd.)
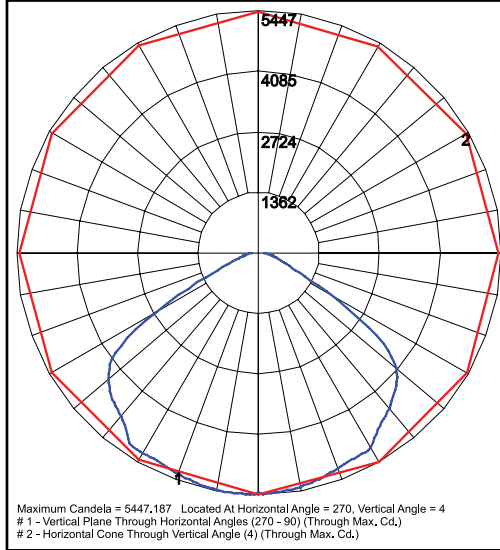
HFP4QW1X100U4K
Grid in feet, Mounting Height = 25 ft.

Maximum Candela = 14699.94   Located At Horizontal Angle = 90, Vertical Angle = 1
1 – Vertical Plane Through Horizontal Angles (90 – 270) (Through Max. Cd.)
2 – Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)
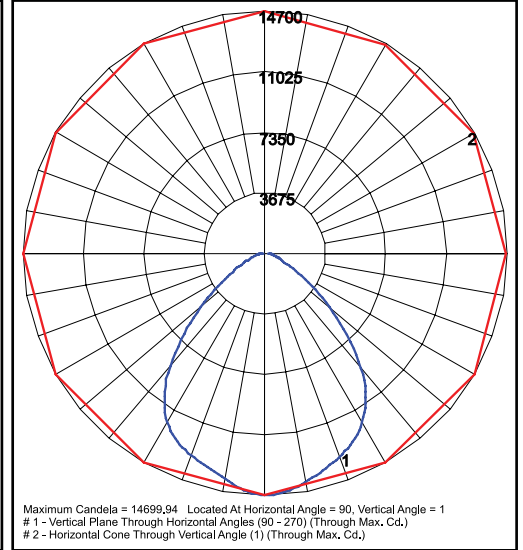
HFP8QM1X200U4K
Grid in feet, Mounting Height = 25 ft.

Maximum Candela = 10632.01   Located At Horizontal Angle = 270, Vertical Angle = 4
1 – Vertical Plane Through Horizontal Angles (270 – 90) (Through Max. Cd.)
2 – Horizontal Cone Through Vertical Angle (4) (Through Max. Cd.)
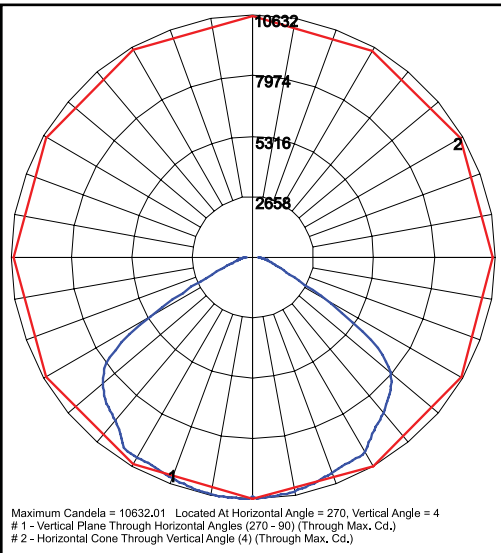
hFP8QW1X200U4K
Grid in feet, Mounting Height = 25 ft.

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Photometric Performance

		AFP2Q - 2FT			AFP4Q - 4FT			AFP8Q - 8FT	
Wattage (Catalog Logic)		**25W (1X25)**	**35W (1X35)**	**50W (1X50)**	**50W (1X50)**	**75W (1X75)**	**100W (1X100)**	**150W (1X150)**	**200W (1X200)**
Input Watts		**25W**	**33W**	**49.6W**	**49.6W**	**75.5W**	**99.1W**	**151.1W**	**198.3W**
Optic	**CCT**	**Delivered Lumens**							
M = Medium - 70° Beam	4000K	4,109	5,424	8,152	8,152	12,409	16,288	22,924	30,007
	5000K	4,212	5,559	8,356	8,356	12,719	16,695	23,497	30,757
W = Wide - 110° Beam	4000K	4,028	5,317	7,992	7,992	12,165	15,968	22,630	30,640
	5000K	4,129	5,450	8,192	8,192	12,469	16,367	23,196	31,406

Projected Lumen Maintenance

Data shown for 5000 CCT			Compare to MH			
TM-21-11	**Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated LED Life**
L70 Lumen Maintenance @ 25°C / 77°F	50W - AFP2Q 100W - AFP4Q 200W - AFP8Q	1.00	0.96	0.92	0.88	188,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.96	0.91	0.87	174,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.96	0.91	0.87	117,000

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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