



**BPO LIGHTING**  
*Hazardous Area Lighting*

# BFWL



## Class 1 Division 2



### Key Features

- FEATURES:**
- Linear (Rugged)
  - Direct Replacement for Snelson 6100 & Indatech HWFL
  - Cost Efficient, Light Weight
  - Non Metallic, Corrosion Resistant
  - Programable Keystone driver for custom lumen output
  - BAA (Buy American Act)
- OPTIONS:**
- 2' & 4' Body Lengths
  - High Voltage
  - 3 Multiple Mounting
  - Emergency Back-Up (1.5, 3 Hour)
  - BABA (Build America, Buy America)

# Compliance

UL 844 Hazardous Locations  
Class I Division 2 Groups A, B, C, D  
Class II Division 2 Groups F, G  
UL 1598A Marine Saltwater  
UL 924 Emergency  
ABS  
Meets Coast Guard Specifications



**(BAA)** Fully compliant with the Buy American Act, meeting the requirements for domestic manufacturing and material sourcing as outlined in 41 U.S.C. §§

**(BABA)** Available as Build America, Buy America Act compliant. Meeting the elevated domestic content and manufacturing requirements, as mandated by the Infrastructure Investment and Jobs Act (Pub. L. 117-58)

# Applications

## **Oil and Gas**

Petroleum production and refining  
Petroleum loading, storage, transportation and retail  
Confined spaces with vapor accumulation  
LNG and LPG handling  
Oil tanker and shipping vessels  
Fuel system testing facilities

## **Power Plants**

Coal-fired power plants, including coal handling and storage areas  
Gas-fired power plants with fuel storage  
Nuclear power facilities in hazardous auxiliary areas  
Biomass or waste-to-energy plants with combustible dust risks

## **Industrial**

Industrials Storage Facility  
Paper mills, Sawmills and lumber yards  
Loading Docks Platforms  
Manufacturing plants for heavy industrial goods  
Warehouses handling flammable materials

## **Waste Treatment**

Wastewater Treatment Plants  
Pumping Stations  
Solid waste processing and incineration facilities  
Sewage treatment with methane gas risks  
Hazardous waste Recycling Centers

## **Mining**

Operations and service  
Underground mining tunnels with gas accumulation

## **Chemical Industry**

Chemical production, processing facilities and storage  
Solvent handling and mixing areas  
Chemical research labs with flammable substances

## **Ocean, marine and aerospace**

Ocean platform operation facilities and structure  
Marine & Saltwater Environments  
Aerospace clean room and production  
Ocean vessel operations  
Shipyards and dry docks  
Aircraft hangars with fuel vapors

## **Metal treatment**

Paint facilities  
Steel and aluminum factories  
Metal smelting, foundry and fabrication  
Welding and cutting areas with gas risks

## **Military and Defense**

Ammunition storage and handling  
Fuel depots and refueling stations  
Explosives manufacturing  
Vehicle maintenance bays in hazardous zones

## **Food alcohol and Agriculture industry**

Flour and fine particle production and storage  
Food and distilling production  
Grain storage elevators and silos  
Breweries and fermentation tanks  
Feed mills with dust risks  
Fertilizer production and storage

## **Pharmaceutical Industry**

Drug manufacturing and solvent handling  
Clean rooms with volatile compounds  
Pill coating and drying areas  
Research and development labs

**Other high humidity, high dust, high temperature and vapor locations**

# Specifications

|         |     |     |     |     |                    |
|---------|-----|-----|-----|-----|--------------------|
| Wattage | 20W | 40W | 60W | 40W | 70W (Programmable) |
| Body    | 2'  |     |     | 4'  |                    |

## OPTICAL

|                             |                                      |         |  |         |               |
|-----------------------------|--------------------------------------|---------|--|---------|---------------|
| Lumen Output                | 2200 lm                              | 4400 lm | 6600 lm  | 4400 lm | 8000-16000 lm |
| Color Temperature: CCT      | 5000K (standard), 3000-5000K options |         |  |         |               |
| CRI (Color Rendering Index) | > 80                                 |         |  |         |               |
| Beam Angle                  | 120°                                 |         |  |         |               |
| Light Source                | 2000 nominal lumens per strip        |         | 8000-16000 nominal lumens per 2 strip (customized) |         |               |

## ENVIRONMENTAL

|                               |                                  |
|-------------------------------|----------------------------------|
| Ambient Operating Temperature | -40°C to +55°C (-40°F to +131°F) |
| Temperature Code              | T5                               |

## REPLACEMENT

|                 |   |
|-----------------|---|
| Next Generation | Direct Replacement for Snelson 6100 and Indatech HWFL (bolt patterns line up) |
|-----------------|---|

## MECHANICAL

|                  |   |
|------------------|---|
| Housing Material | Corrosion resistant, Non-metallic glass reinforced polyester housing          |
| Lens Diffuser    | Heavy duty injection molded lens  |
| Hardware         | Captive plastic or stainless steel latches, stainless steel mounting brackets |
| Fixture Color    | White   |
| Mounting         | Ceiling, Wall, Pendant  |
| Cable Entry      | <b>2 Sides:</b> 3/4" NPT, <b>Back:</b> 3/4" NPT (Option on Pendant)           |
| Warranty         | 5 Year Standard Warranty  |

## ELECTRICAL

|                   |   |
|-------------------|---|
| Lifespan          | L70> 50,000 Operational Hours @ 55°C  |
| Input Voltage     | 120-277VAC, 280-480VAC  |
| Input Frequency   | 50/60Hz   |
| Driver Efficiency | Driver-amp draw 120 volt-.80, 277 volt-.35<br>Programable Keystone driver for custom lumen output |

## EMERGENCY

|                |                           |
|----------------|---------------------------|
| Emergency Time | 1.5 Hour, 3.0 Hour Option |
|----------------|---------------------------|

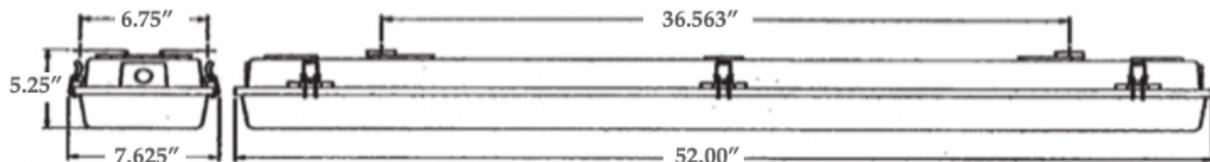
# Ordering Logic

ORDER EXAMPLE: BFWL4 EX P U 5K BM

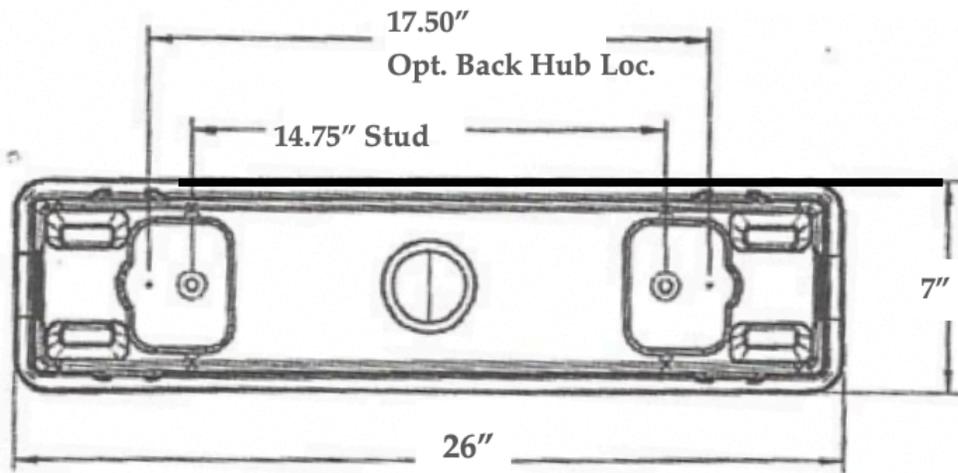
| (1) Product                                    | (2) Product Category                         | (3) Wattage                               |                       |                                |
|--|--|---|-----------------------|--------------------------------|
| BFWL2 - 2' (1/2)                               | EX - Explosion Proof                         | 20 - 20W (2,200 lm) (2')                  |                       |                                |
| BFWL4 - 4' (1/2/3)                             |  | 40 - 40W (4,400 lm) (2', 4')              |                       |                                |
|  |  | 60 - 60W (6,600 lm) (2')                  |                       |                                |
|  |  | P40 - 40W (4,000 - 8,000 lm) (4')         |                       |                                |
|  |  | P70 - 70-85W (8,000 - 16000 lm) (4')      |                       |                                |
| (5) Voltage                                    | (6) Kelvin                                   | (7) Mounting                              | (8) EM                | (9) BABA                       |
| U - 120/277V 50/60Hz (S)<br>480V - 280-480Volt | 3K - 3000 K<br>4K - 4000 K<br>5K - 5000 K(S) | BM - Back Mount (S)<br>PM - Pendant Mount | EM - Emergency Backup | Blank - BAA (S)<br>BABA - BABA |

(S) Standard

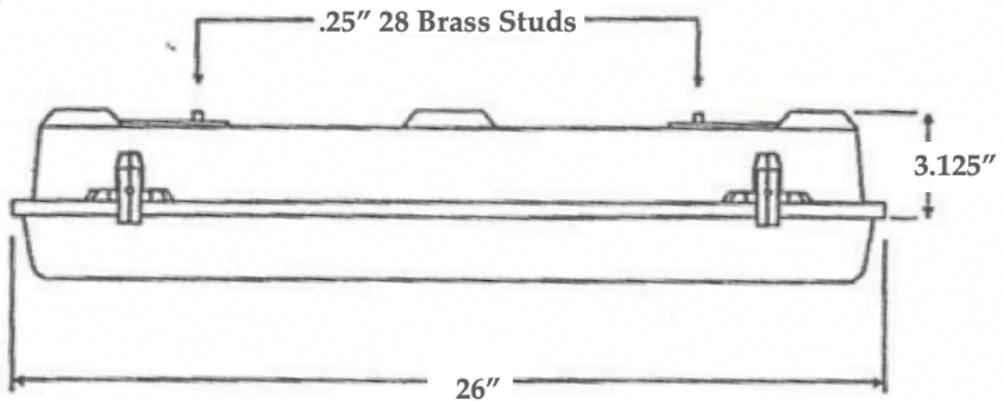
# Product Dimensions



### Top View



### Side View



Note: Brass Studs on Inside of Unit are 10-32

### End View

