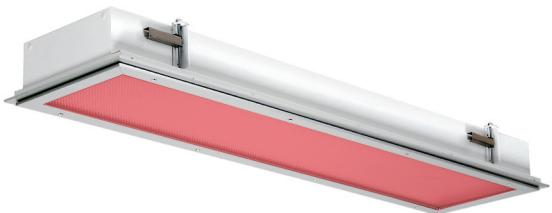


## F1RD Series — Vivarium Red, Dual Circuit

### Flange Mount



Food Processing:  



### SPECIFICATIONS

#### HOUSING:

Constructed of nominal 20GA (0.036) zinc coated steel for unmatched corrosion protection. Two welded, tapered, threaded flanges on the top provide a sealed wireway access. All seams are sealed with a long life acrylic sealant.

#### FINISH:

Painted surfaces are two mil white polyester enamel, special colors available.

#### LENS:

0.125 StarFrost Acrylic with 50% DR content for durability, smooth side out. See Ordering Information for other high quality lens options.

#### LENS FRAME:

Exclusively designed, heavy duty, extruded, anodized aluminum with stainless steel captive screws used to hold the lens frame tight to the housing. The frame is hinged for support while servicing.

**Food Zone:** Lens frame and trim frame of stainless steel (S6 option std).

#### REFLECTOR:

Fabricated of aluminum, painted with a minimum reflectance of 88%.

#### GASKETING:

An extruded, ribbed vinyl gasket seals the lens into the frame; with our exclusive, mechanically held, extruded, silicone gasket used to seal the frame to the housing.

**Food Zone:** Silicone sealant is used to seal the lens into the frame, with extruded EPDM sealing the frame to the housing.

#### ELECTRICAL:

High efficiency LED/Driver combination delivers white and red light output suitable for animal research and other applications. 0-10V dimming comes standard with other control options available. THD <10%@120V, <15%@277V, PF > 0.95.

#### MOUNTING:

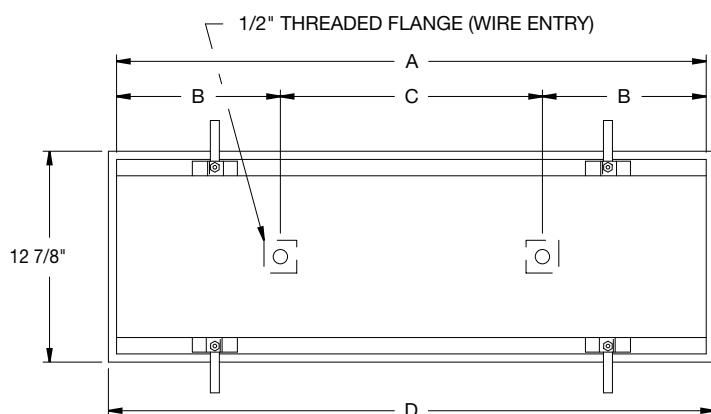
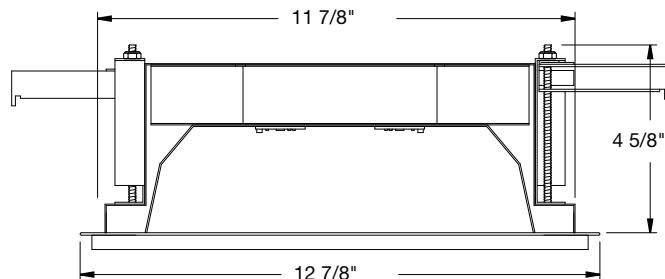
Recessed flange mounting only. Not suitable for T-Bar grid ceilings or surface mounting.

### APPLICATIONS:

- Cleanroom (Classes 100-100,000; ISO Classes 5-9)
- Food Processing (NSF Certified Splash Zone, Food Zone)
- Industrial & Commercial
- Transit & Municipal
- Wet Location (ETL/cETL Listed)
- Pharmaceutical
- Biology
- Vivarium
- Laboratory

### FEATURES:

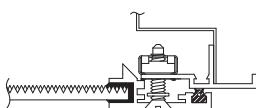
- 632 nm Red and White LEDs with dual circuit function
- Available with IP 65 rating, add -IP65 suffix (requires stainless steel lens frame & trim frame)
- L70 ≥ 132,500 hours
- Available in Stainless Steel construction
- Premium Driver with Dimming standard
- Type IC
- Every luminaire tested to assure customer satisfaction
- 5-Year limited warranty



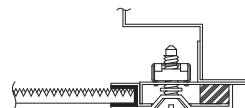
**CUT-OUT DIMENSIONS:**  
2FT: 12 1/8" x 24 1/4"  
4FT: 12 1/8" x 48 1/4"

LENGTH (ft)	WEIGHT (lbs)	DIMENSIONS IN INCHES		
		A	B	C
2	16	23 31/32	5 3/8	13 1/4
4	26	47 15/16	5	38
8	44	95 15/16	5	86
				25
				49 1/16
				97

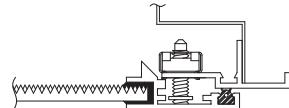
### LENS FRAME DETAILS



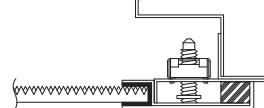
ALUMINUM  
LENS FRAME DETAIL



STAINLESS STEEL  
LENS FRAME DETAIL



SPLASH ZONE  
LENS FRAME DETAIL



FOOD ZONE  
LENS FRAME DETAIL

JC-TD-120325

Due to continuous development and improvements, specifications are subject to change without notice.

## F1RD Series – Wet & NSF Splash Zone Locations

## PRODUCT ORDERING CODE

### Footnotes:

<sup>1</sup> NSF Splash Zone luminaires (PMS prefix) may become soiled, but are outside the danger of recontamination

<sup>3</sup> Only 90 CRI

<sup>4</sup> Only Available with

<sup>5</sup> The 20W Battery Backup Remote powers a mi

mounted on the outside of the luminaire or in a remote dry/damp location.  
⑥ Only Available with White Painted Zinc Steel Finish.

Only Available with White Painted Zinc Steel Finish

CONTACT FACTORY FOR DIFFERENT WAVELENGTHS,  
SPECTRUMS, OR DUAL CIRCUITING INFORMATION.

JC-TD-120325

Due to continuous development and improvements, specifications are subject to change without notice.

## F1RD Series – NSF Food Zone Location

## PRODUCT ORDERING CODE

### Footnotes:

<sup>2</sup> NSF Food Zone luminaires (PMF prefix) come in DIRECT CONTACT with food

<sup>3</sup> Only 90 CRI

<sup>4</sup> Only Available

<sup>5</sup> The 20W Battery Backup Remote powers a mi

<sup>6</sup> Only Available with White Painted Zinc Steel Finish

CONTACT FACTORY FOR DIFFERENT WAVELENGTHS,  
SPECTRUMS, OR DUAL CIRCUITING INFORMATION.

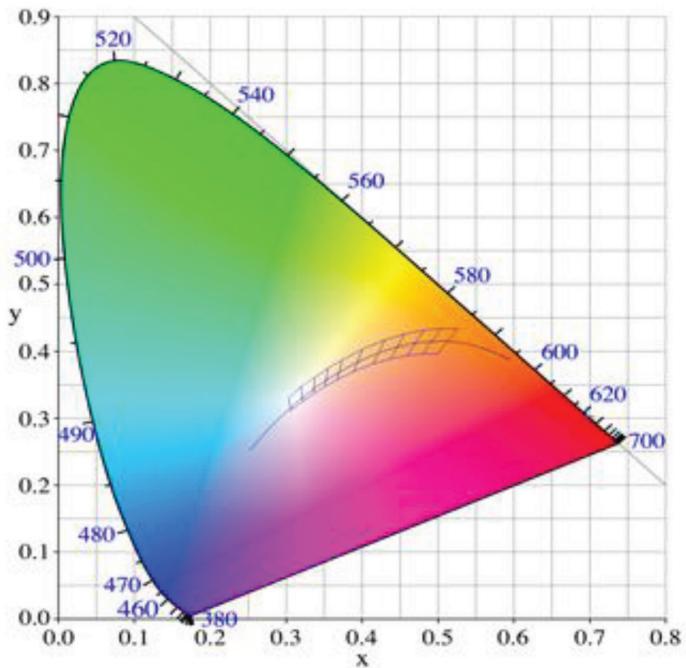
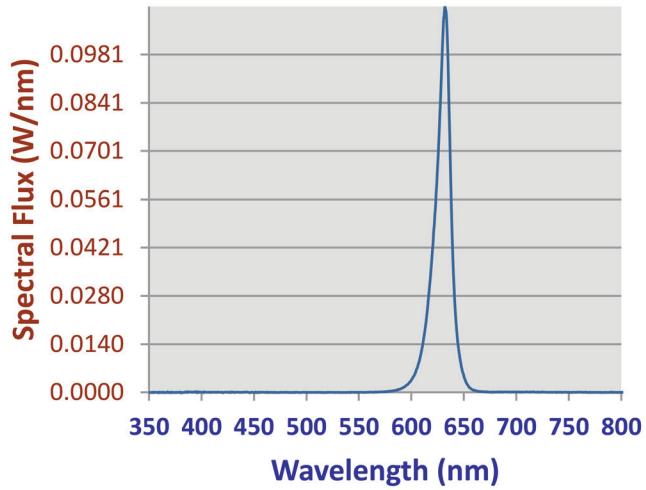
JC-TD-120325

Due to continuous development and improvements, specifications are subject to change without notice.

## F1RD Series

### PHOTOMETRICS

#### Relative Spectral Power Distribution



VIVARIUM RED	
Peak Wavelength	Dominant Wavelength
632.2	622