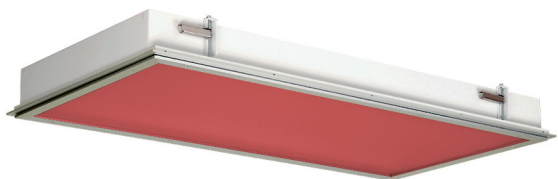


F2RD Series — Vivarium Red, Dual Circuit

Flange Techniseal Troffer

Flange Mount



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

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.

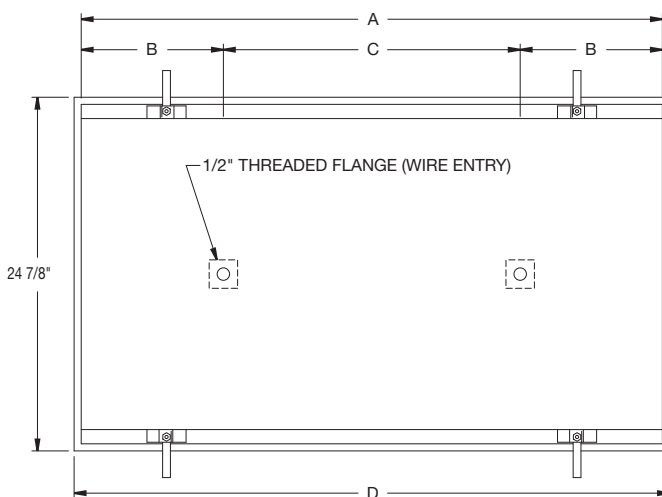
Food Zone: Silicone sealant is used to seal the lens into the frame, with extruded EPDM sealing the frame to the housing.

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.

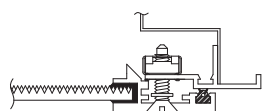


CEILING CUT-OUT DIMENSIONS:

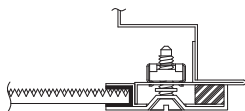
2FT: 24 1/4" x 24 1/4"
4FT: 24 1/4" x 48 1/4"

LENGTH (ft)	WEIGHT (lbs)	DIMENSIONS IN INCHES			
		A	B	C	D
2	26	23 29/32	5 5/16	13 1/4	24 7/8
4	46	47 15/16	5	38	49 1/16

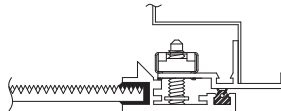
LENS FRAME DETAILS



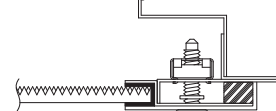
ALUMINUM
LENS FRAME DETAIL



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.

PRODUCT ORDERING CODEFootnotes:³ Only 90 CRI

⁴ Only Available with Stainless Steel Lens Frame

⁶ Only Available with White Painted Zinc Steel Finish

JC-TD-120325

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PRODUCT ORDERING CODE

Footnotes:

² NSF Food Zone luminaires (PMF prefix) come in DIRECT CONTACT with food

³ Only 90 CRl

⁴ Only Available with Stainless Steel Lens Frame

⁵ The 20W Battery Backup Remote powers a minimum of 3 luminaires and must be mounted on the outside of the luminaire or in a remote dry/damp location.

⁶ Only Available with White Painted Zinc Steel Finish

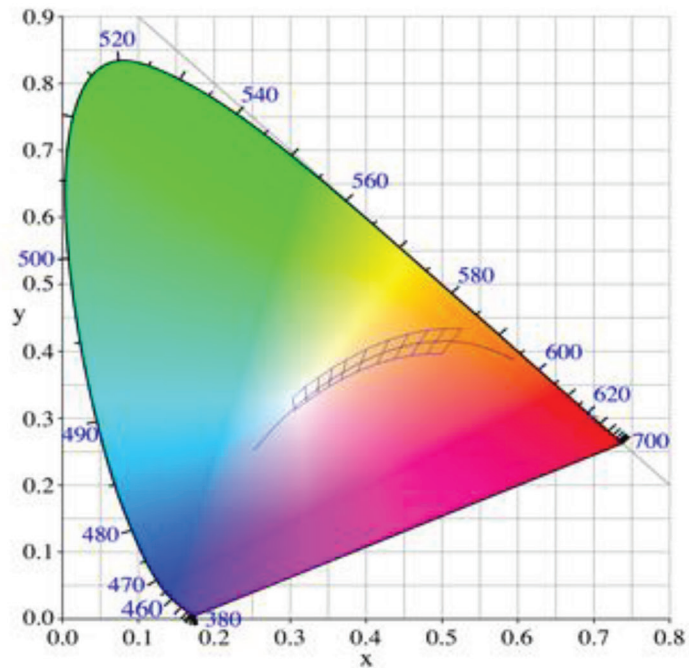
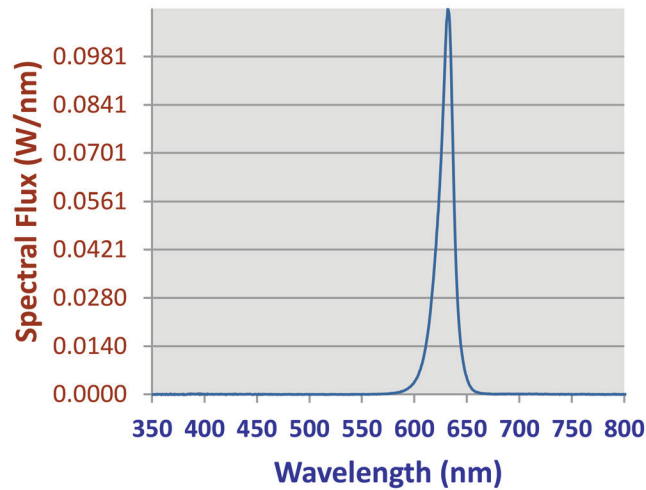
JC-TD-120325

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F2RD Series

PHOTOMETRICS

Relative Spectral Power
Distribution



VIVARIUM RED	
Peak Wavelength	Dominant Wavelength
632.2	622