PARAMOUNT INDUSTRIAL LIGHTING

F1 Series

Flange Techniseal Troffer

Flange Mount

Food Processing:

MADE IN AMERICA

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)

FEATURES:

- Available with IP65 rating, add -IP65 suffix (requires stainless steel lens frame & trim frame)
- L70 ≥ 60,000 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.

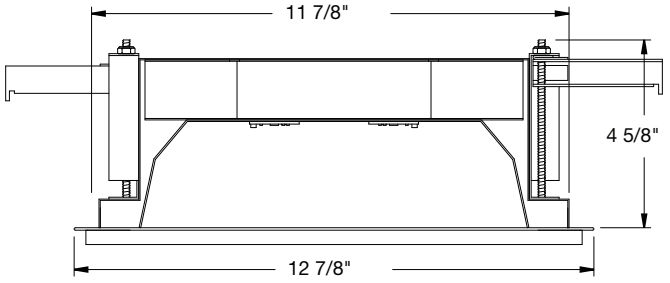
LENS FRAME:
Exclusively designed, heavy duty, extruded, anodized aluminum with stainless steel captive screws used to hold the lens frame tight to the housing. The frame is hinged for support while servicing.
Food Zone: Lens frame and trim frame of stainless steel (S6 option std).

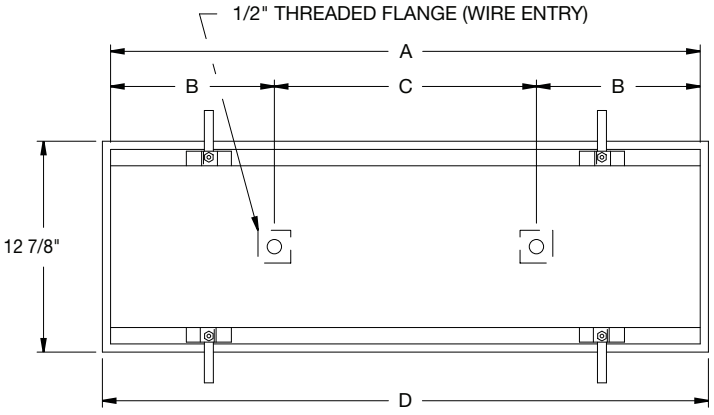
REFLECTOR:
Fabricated of aluminum, painted with a minimum reflectance of 88%.

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 160 Lumens/Watt raw array efficacy with 80+ CRI. 4000K color temperature is standard with options for 2700K, 3000K, 3500K, and 5000K. 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.

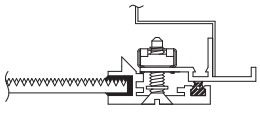




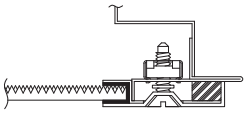
CUT-OUT DIMENSIONS:
2FT: 12 1/8" x 24 1/4"
4FT: 12 1/8" x 48 1/4"

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

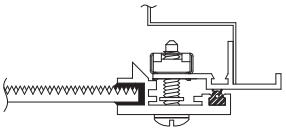
LENS FRAME DETAILS



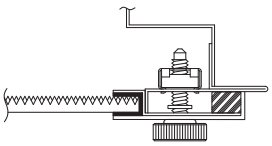
ALUMINUM
LENS FRAME DETAIL



STAINLESS STEEL
LENS FRAME DETAIL



SPLASH ZONE
LENS FRAME DETAIL



FOOD ZONE
LENS FRAME DETAIL

TG-DM-062226

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

PARAMOUNT INDUSTRIAL LIGHTING

Date:	Approved:
Type:	
Luminaire:	
Project:	

F1 Series — Wet & NSF Splash Zone Locations

PRODUCT ORDERING CODE

SERIES	LENGTH	MOUNTING	VOLTAGE	CCT	CRI	LUMENS	FINISH	LENS	DIMMING	OPTIONS
		FM	UNV						LD	

SERIES
- **PMF1** Wet Location
- **PMSF1** NSF Splash Zone [1]

LENGTH
- **2** 2 FT
- **4** 4 FT

MOUNTING
- **FM** Flange Mount

VOLTAGE
- **UNV** 120 - 277 VAC

CCT
- **27K** 2700K [3]
- **3K** 3000K
- **35K** 3500K
- **4K** 4000K
- **5K** 5000K

CRI
- **CRI83** 83 CRI
- **CRI90** 90 CRI

LUMENS

2 FT	**19L**	1900 lm (18W)
	37L	3700 lm (33W)
4 FT	**37L**	3700 lm (33W)
	74L	7400 lm (66W)

Selection must match the selected length — Lumens (Typical)

FINISH
- **PZ** Painted Zinc Steel Housing, Aluminum Lens Frame & Trim Frame
- **S2** Stainless Steel Housing,Aluminum Lens Frame & Trim Frame
- **S3** Stainless Steel Complete
- **S5** Stainless Steel Lens Frame, Painted Zinc Steel Trim Frame & Housing
- **S6** Stainless Steel Lens & Trim Frame, Painted Zinc Steel Housing

LENS
- **L3** 0.125 White Acrylic (Cell Cast)
- **LH3** 0.150 Extra Heavy White Acrylic
- **L4** 0.140 50% DR Ext. Prismatic Acrylic (P20)
- **L5** 0.118 StarFrost® Acrylic (base)
- **L7** 0.125 White Polycarbonate
- **L8** 0.156 Prismatic Polycarbonate (P12)
- **L9** 0.187 Tempered Glass (P62) [4]
- **LJ4** 0.020 White Acrylic Overlay (Array Side)

DIMMING
- **LD** Dimming 0-10V

OPTIONS
- **BBU** 10W Battery Backup, Integral
- **BBU1** 12W Battery Backup, Integral
- **BBUR2** 20W Battery Backup, Remote [5]
- **F1** GLR/HLR Fusing (Fast)
- **F2** GMF/HLR Fusing (Slow)
- **IP65** IP Rated (Requires S6 Option)
- **P11** Guardcraft® Antimicrobial Coating [6]
- **T3** Tamper Resistant (Hex w/pin or other)
- **V1** External Gasketing

Footnotes:
[1] NSF Splash Zone luminaires (PMS prefix) may become soiled, but are outside the danger of recontamination
[3] Only 90 CRI
[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

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PARAMOUNT INDUSTRIAL LIGHTING

Date:	Approved:
Type:	
Luminaire:	
Project:	

F1 Series — NSF Food Zone Location

PRODUCT ORDERING CODE

SERIES	LENGTH	MOUNTING	VOLTAGE	CCT	CRI	LUMENS	FINISH	LENS	DIMMING	OPTIONS
PMFF1		FM	UNV						LD	

SERIES
- **PMFF1** NSF Food Zone [2]

LENGTH
- **2** 2 FT
- **4** 4 FT

MOUNTING
- **FM** Flange Mount

VOLTAGE
- **UNV** 120 - 277 VAC

CCT
- **27K** 2700K [3]
- **3K** 3000K
- **35K** 3500K
- **4K** 4000K
- **5K** 5000K

CRI
- **CRI83** 83 CRI
- **CRI90** 90 CRI

LUMENS

2 FT	**19L**	1900 lm (18W)
	37L	3700 lm (33W)
4 FT	**37L**	3700 lm (33W)
	74L	7400 lm (66W)

Selection must match the selected length

Lumens (Typical)

FINISH
- **S3** Stainless Steel Complete
- **S6** Stainless Steel Lens & Trim Frame, Painted Zinc Steel Housing

LENS
- **L4** 0.140 50% DR Ext. Prismatic Acrylic (P20)
- **L5** 0.118 StarFrost® Acrylic (base)
- **L9** 0.187 Tempered Glass (P62) [4]

DIMMING
- **LD** Dimming 0-10V

OPTIONS
- **BBU** 10W Battery Backup, Integral
- **BBU1** 12W Battery Backup, Integral
- **BBUR2** 20W Battery Backup, Remote [5]
- **F1** GLR/HLR Fusing (Fast)
- **F2** GMF/HLR Fusing (Slow)
- **P11** Guardcraft® Antimicrobial Coating [6]
- **V1** External Gasketing

Footnotes:

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

[3] Only 90 CRI

[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

PARAMOUNT INDUSTRIAL LIGHTING

LUMEN OUTPUT: All listed lumen values are nominal. Lens transmission and luminaire efficiency affect overall lumens.

INDIVIDUAL UNITS STANDARD

NOT ALL COMBINATIONS POSSIBLE

TG-DM-062226

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