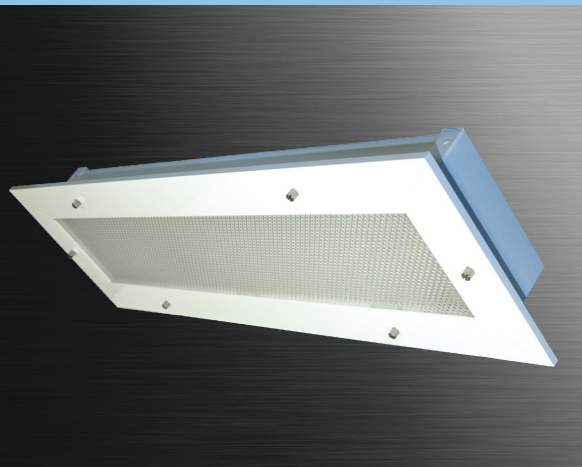


Pro

ProRec

Meridian FRS/ml



FEATURES

- Multi voltage electronic ballast resistant to brownouts or voltage and frequency fluctuations.
- Low profile design.
- Tool-less entry and hinged lens frame for easy relamping.
- Filter tube options allow colored lamps to operate on a separate circuit for darken ship mode.
- Three and four lamp models are provided with two ballasts for independent switching or color effects.
- Optional self contained emergency battery backup ballasts with test switch.
- Optional long life T5 lamps available upon request (consult factory).

APPLICATIONS

- Recessed mount
- Marine interior
- Pilot house
- State room
- Office
- Corridor/passageway
- Galley

APPROVALS

- Conforms to IP52
- Marine Inside Drip Proof Type
- ABS

STANDARDS

- UL 1598A - Luminaires for Marine Vessels
- UL 924 - Emergency Lighting Equipment

TECHNICAL SPECIFICATIONS

HOUSING

Type 5052H32 aluminum with an electrostatically applied polyester power coat finish.

LENS FRAME

Type 6063T6 aluminum with an electrostatically applied polyester powder coat finish.

LENS

Flat prismatic DR acrylic. Optional, flat white or prismatic dropdish.

REFLECTOR

Type 5052H32 aluminum with an electrostatically applied white polyester powder coat finish. Minimum 90% reflectance.

ENTRIES

1/2" and 3/4" NPT knockouts at each end.

LAMP HOLDER

High temperature PBT locking sockets.

MOUNTING

Recessed ceiling type. See drawings for details.

TERMINAL BLOCK

Internal 3 pole.

BALLAST

120 to 277 volt 50/60 Hz electronic.

Lamp Wattage	Ballast/Socket Type	ANSI Lamp Code	Starting Temp	Maximum Ambient*	Supply Wire
17	T8 Bi-Pin G13	F17-T8	0°F / -18°C	55°C	90°C
32	T8 Bi-Pin G13	F32-T8	-20°F / -29°C	55°C	90°C
14/28	T5 Mini Bi-Pin G5	F14/F28-T5	0°F / -18°C	55°C	90°C
24/54	T5HO Mini Bi-Pin G5	F24/F54-T5HO	-20°F / -29°C	55°C	90°C

*Consult factory for optional higher ambient models.

EMERGENCY BATTERY BACKUP BALLAST

Optional, self contained 90 minute minimum for all lamp types. 120 minutes minimum for F32T8 one lamp. Starting temperature 32°F/0°C.

ORDERING REFERENCES

PART NUMBER	DESCRIPTION	LAMP TYPE	NO. LAMPS/ NOMINAL LAMP WATTAGE	WEIGHT LBS
FRS214J	2 ft	F14T5	2 x 14w	8.0
FRS314J	2 ft	F14T5	3 x 14w	13.5
FRS414J	2 ft	F14T5	4 x 14w	14.0
FRS217J	2 ft	F17T8	2 x 17w	8.0
FRS317J	2 ft	F17T8	3 x 17w	13.5
FRS417J	2 ft	F17T8	4 x 17w	14.0
FRS224J	2 ft	F24T5HO	2 x 24w	8.0
FRS324J	2 ft	F24T5HO	3 x 24w	13.5
FRS424J	2 ft	F24T5HO	4 x 24w	14.0

PART NUMBER	DESCRIPTION	LAMP TYPE	NO. LAMPS/ NOMINAL LAMP WATTAGE	WEIGHT LBS
FRS228J	4 ft	F28T5	2 x 28w	12.0
FRS328J	4 ft	F28T5	3 x 28w	20.0
FRS428J	4 ft	F28T5	4 x 28w	20.5
FRS232J	4 ft	F32T8	2 x 32w	12.0
FRS332J	4 ft	F32T8	3 x 32w	20.0
FRS432J	4 ft	F32T8	4 x 32w	20.5
FRS254J	4 ft	F54T5HO	2 x 54w	12.0
FRS354J	4 ft	F54T5HO	3 x 54w	20.0
FRS454J	4 ft	F54T5HO	4 x 54w	20.5

SPECIAL OPTIONS

- EMT2* - Emergency Battery Backup Ballast, 1 lamp, 277v max, test switch
- EMT3* - Emergency Battery Backup Ballast, high lumen, 1 lamp, 277v max, test switch
- L** - Lamp
- LL** - Long Life Lamps (F54T5HO only)
- H - Dropdish Prismatic Lens (Replace suffix J)
- E - Flat White Lens (Replace suffix J)
- RV-1*** - Red Filter Tube with separate ballast, 1 lamp (Not available in 24/54w)
- RV - Red Filter Tube, all lamps (Not available in 24/54w)
- BV-1*** - Blue Filter Tube with separate ballast, 1 lamp (Not available in 24/54w)
- BV - Blue Filter Tube, all lamps (Not available for 24/54w)
- YV-1*** - Yellow Filter Tube with separate ballast, 1 lamp (Not available in 24/54w)
- YV - Yellow Filter Tube, all lamps (Not available in 24/54w)

*For T5 & T5HO, EM Ballast is fixed voltage, 120 or 277v, 50/60Hz.

**Lamps are not included unless option "L" or "LL" is specified.

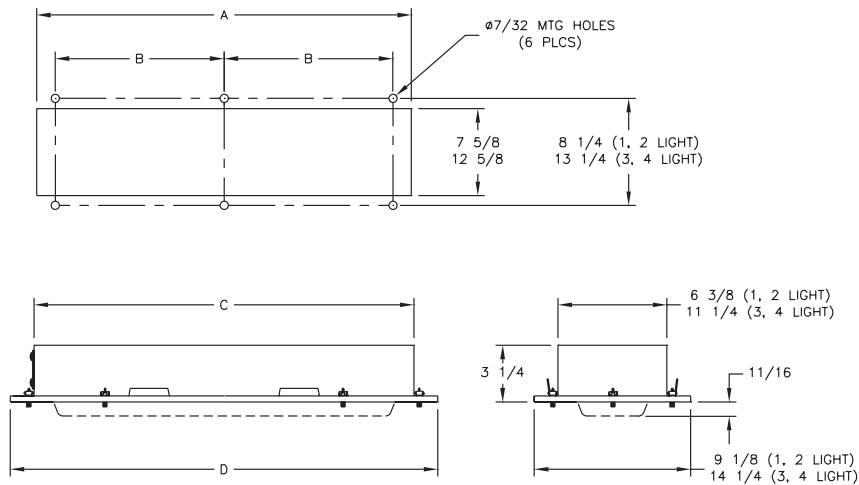
***Not available on 2 ft, 2 lamp modles when EMT2/EMT3 option is specified.

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SPARE PARTS

Part No.	Description		
FX5350	BALLAST 120-277V AC 50/60HZ, 1 x 14	FX3568	LAMP, 24w, F24T5HO
FX5174	BALLAST 120-277V AC 50/60HZ, 1 x 17	FX3574	LAMP, 28w, F28T5
FX5307	BALLAST 120-277V AC 50/60HZ, 1 x 24	FX3527	LAMP, 32w, F32T8
FX5350	BALLAST 120-277V AC 50/60HZ, 1 x 28	FX3567	LAMP, 54w, F54T5HO
FX5221	BALLAST 120-277V AC 50/60HZ, 1 x 32	FX2034	LENS, One/Two Lamp, for 2ft. models
FX5305	BALLAST 120-277V AC 50/60HZ, 1 x 54	FX2035	LENS, Three/Four Lamp, for 2ft. models
FX5350	BALLAST 120-277V AC 50/60HZ, 2 x 14	FX2036	LENS, One/Two Lamp, for 4ft. models
FX5340	BALLAST 120-277V AC 50/60HZ, 2 x 17	FX2037	LENS, Three/Four Lamp, for 4ft. models
FX5307	BALLAST 120-277V AC 50/60HZ, 2 x 24	FX4068	LAMP HOLDER, Twist Lock
FX5350	BALLAST 120-277V AC 50/60HZ, 2 x 28	FX4064F	LAMP HOLDER, Stationary T5
FX5340	BALLAST 120-277V AC 50/60HZ, 2 x 32	FX4064P	LAMP HOLDER, Spring Loaded T5
FX5305	BALLAST 120-277V AC 50/60HZ, 2 x 54	FX3001	TERMINAL BLOCK, 2 Pole
FX3573	LAMP, 14w, F14T5	CX3070	TERMINAL BLOCK, 4 Pole
FX3528	LAMP, 17w, F17T8	FX2193RED	FILTER TUBE, Red 17w T8
		FX2195RED	FILTER TUBE, Red 32w T8

DIMENSIONS



Dimensions in inches

	A	B	C	D
14w, 17w, 20w, 24w	27 3/4"	10"	26 1/2"	29 1/8"
28w, 32w, 40w, 54w	51 1/4"	20"	50 1/2"	53 1/8"

NOTES