

Pro

ProRec

Meridian FDA/ml



FEATURES

- Custom designed for 300 mm continuous linear plank ceiling systems.
- No trim kit or additional hardware required.
- Multi voltage electronic ballast resistant to brownouts or voltage and frequency fluctuations.
- 2 ft (600 mm) or 4 ft (1200 mm) models.
- Filter Tube options allow colored lamps to operate on a separate circuit for darken ship mode.
- Three 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

- 300 mm continuous plank ceiling systems
- 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 AND LENS FRAME

Cold rolled steel with an electrostatically applied polyester powder coat finish.

LENS

Flat prismatic DR acrylic.

REFLECTOR

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

ENTRIES

One 1/2" NPT slip fit hole on top.

LAMP HOLDER

Polycarbonate. Spring loaded for T5, twist lock for T8/T12.

MOUNTING

Recessed ceiling type, for 300mm linear plank ceilings.

TERMINAL BLOCK

4 pole.

BALLAST

120 to 277 volt 50/60 Hz electronic, except F20 & F40 T12 Bi-Pin which are 120V 60Hz.

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	MOUNTING TYPE	LAMP TYPE	NO. LAMP/ NOMINAL LAMP WATTAGE	WT LBS
FDA214PAR	Parallel	F14T5	2 x 14w	14.0
FDA217PAR	Parallel	F17T8	2 x 17w	14.0
FDA220PAR	Parallel	F20T12	2 x 20w	15.0
FDA224PAR	Parallel	F24T5HO	2 x 24w	14.0
FDA228PAR	Parallel	F28T5	2 x 28w	23.0
FDA232PAR	Parallel	F32T8	2 x 32w	23.0
FDA240PAR	Parallel	F40T12ES	2 x 34w	23.0
FDA254PAR	Parallel	F54T5/HO	2 x 54w	22.0
FDA314PAR	Parallel	F14T5	3 x 14w	17.0
FDA317PAR	Parallel	F17T8	3 x 17w	17.0
FDA320PAR	Parallel	F20T12	3 x 20w	18.0
FDA324PAR	Parallel	F24T5HO	3 x 24w	17.0
FDA328PAR	Parallel	F28T5	3 x 28w	26.0
FDA332PAR	Parallel	F32T8	3 x 32w	26.0
FDA340PAR	Parallel	F40T12ES	3 x 34w	27.0
FDA354PAR	Parallel	F54T5/HO	3 x 54w	26.0

PART NUMBER	MOUNTING TYPE	LAMP TYPE	NO. LAMP/ NOMINAL LAMP WATTAGE	WT LBS
FDA214PER	Perpendicular	F14T5	2 x 14w	14.0
FDA217PER	Perpendicular	F17T8	2 x 17w	15.0
FDA220PER	Perpendicular	F20T12	2 x 20w	16.0
FDA224PER	Perpendicular	F24T5HO	2 x 24w	15.0
FDA228PER	Perpendicular	F28T5	2 x 28w	25.0
FDA232PER	Perpendicular	F32T8	2 x 32w	25.0
FDA240PER	Perpendicular	F40T12ES	2 x 34w	25.0
FDA254PER	Perpendicular	F54T5/HO	2 x 54w	24.0
FDA314PER	Perpendicular	F14T5	3 x 14w	18.0
FDA317PER	Perpendicular	F17T8	3 x 17w	18.0
FDA320PER	Perpendicular	F20T12	3 x 20w	17.0
FDA324PER	Perpendicular	F24T5HO	3 x 24w	18.0
FDA328PER	Perpendicular	F28T5	3 x 28w	27.0
FDA332PER	Perpendicular	F32T8	3 x 32w	27.0
FDA340PER	Perpendicular	F40T12ES	3 x 34w	28.0
FDA354PER	Perpendicular	F54T5/HO	3 x 54w	27.0

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)
- 226 - 220v 60Hz (T12 Bi-Pin only)
- 225 - 220v 50Hz (T12 Bi-Pin only)
- 276 - 277v 60Hz (T12 Bi-Pin only)
- P - Parabolic Louvre
- C - Metallized Square Grids
- RV-1*** - Red Filter Tube with separate ballast (1 lamp)
- RV*** - Red Filter Tube (All lamps)
- BV-1*** - Blue Filter Tube with separate ballast (1 lamp)
- BV*** - Blue Filter Tube (All lamps)

*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 in 24w or 54w.

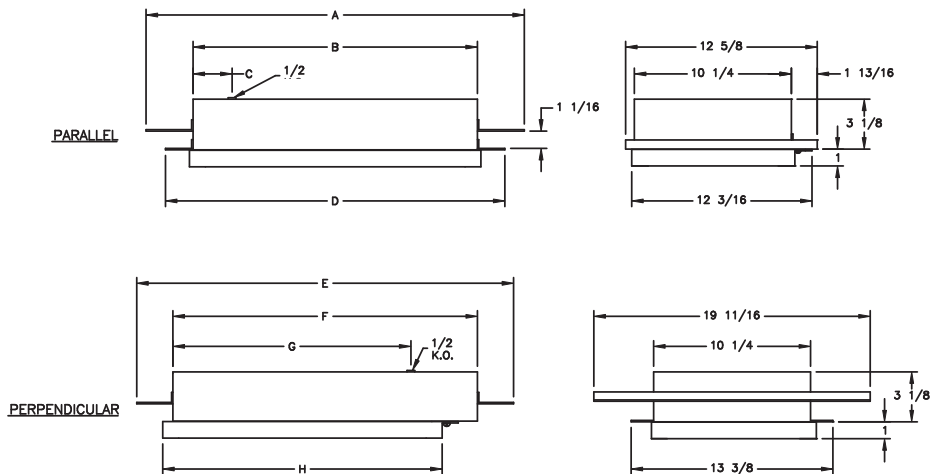
Note: Consult Factory for additional louvers and grids.

ProRec Meridian FDA/ml

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	FX3567	LAMP, 54w, F54T5HO
FX5307	BALLAST 120-277V AC 50/60HZ, 1 x 24	FX3577	LAMP, 54w Long Life, F54T5HO
FX5350	BALLAST 120-277V AC 50/60HZ, 1 x 28	FX3528	LAMP, 17w, F17T8
FX5221	BALLAST 120-277V AC 50/60HZ, 1 x 32	FX3527	LAMP, 32w, F32T8
FX5305	BALLAST 120-277V AC 50/60HZ, 1 x 54	FX3506	LAMP, 20w, F20T12
FX5350	BALLAST 120-277V AC 50/60HZ, 2 x 14	FX3504ES	LAMP, 34w, F40T12ES
FX5340	BALLAST 120-277V AC 50/60HZ, 2 x 17	FX2106	LENS, Parallel, 2ft. models
FX5307	BALLAST 120-277V AC 50/60HZ, 2 x 24	FX2107	LENS, Perpendicular, 2ft. models
FX5350	BALLAST 120-277V AC 50/60HZ, 2 x 28	FX2104	LENS, Parallel, 4ft. models
FX5340	BALLAST 120-277V AC 50/60HZ, 2 x 32	FX2105	LENS, Perpendicular, 4ft. models
FX5305	BALLAST 120-277V AC 50/60HZ, 2 x 54	FX4048	LAMP HOLDER, Locking (17/20/32/40w)
FX5009	BALLAST 120V 60HZ, 1 x 20	FX4064	LAMP HOLDER, T5HO (14/24/28/54w)
FX5326	BALLAST 120V 60HZ, 1 x 34	FX3070	TERMINAL BLOCK, 4 Pole
FX5326	BALLAST 120V 60HZ, 1 x 40	FX2193RED	FILTER TUBE, Red 17w T8
FX5001	BALLAST 120V 60HZ, 2 x 20	FX2192RED	FILTER TUBE, Red 20w T12
FX5004	BALLAST 120V 60HZ, 2 x 34	FX2195RED	FILTER TUBE, Red 32w T8
FX5004	BALLAST 120V 60HZ, 2 x 40	FX2194RED	FILTER TUBE, Red 34w T12
FX3573	LAMP, 14w, F14T5	FX2192BLU	FILTER TUBE, Blue 20w T12
FX3574	LAMP, 28w, F28T5		

DIMENSIONS



	A	B	C	D	E	F	G	H
14w, 17W, 20w, 24w	33 ³ / ₄ "	24 ¹⁵ / ₁₆ "	5"	28 ¹ / ₂ "	29 ⁷ / ₁₆ "	24 ¹⁵ / ₁₆ "	20"	22 ⁵ / ₈ "
28w, 32w, 40w, 54w	57 ¹ / ₂ "	45 ¹ / ₁₆ "	14 ³ / ₄ "	52 ¹ / ₄ "	53 ⁵ / ₈ "	49 ⁷ / ₈ "	34"	46 ¹ / ₄ "

NOTES