



# Pauluhn™ Meridian FDA

## Engineered for marine interior applications

Pauluhn Meridian FDA luminaires are designed for 300 mm continuous linear plank ceiling systems.

### Applications:

- 300 mm continuous plank ceiling systems
- Marine interiors, including: pilot house, state room, offices, corridors/passageways and galley



### Key features & benefits:

- 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 back-up ballasts with test switch
- Optional long life T5 lamps available upon request (consult factory)

### Certifications:

- Conforms to IP52
- Marine Inside Drip Proof Type
- ABS
- UL1598A Luminaires for Marine Vessels
- UL924 Emergency Lighting Equipment

### Mounting options:

- Recessed ceiling type for 300 mm linear plank ceilings

### Technical specifications:

#### Housing and lens frame:

- Cold rolled steel with polyester powder coat finish

#### Lens:

- Flat prismatic DR acrylic

#### Reflector:

- Type 5052H32 aluminum with white polyester powder coat

#### Entries:

- (1) ½" NPT slip fit hole on top

#### Lamp holder:

- Polycarbonate

#### Terminal block:

- 4-pole

#### Ballast:

- 120-277V 50/60 Hz electronic, except F20 and F40 T12 bi-pin, which are 120V 60 Hz

#### Emergency battery back-up ballast:

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

Lamp wattage	Ballast/socket type	ANSI lamp code	Starting temp.	Max. 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



Powering Business Worldwide

# Ordering information

Part number	Mounting type	Lamp type	No. of lamps/ nominal lamp wattage	Weight (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. of lamps/ nominal lamp wattage	Weight (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

## Options

Suffix	Description
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**	Lamps
LL**	Long life lamps (F54T5HO only)
-226	220V 60 Hz (T12 bi-pin only)
-225	220V 50 Hz (T12 bi-pin only)
-276	277V 60 Hz (T12 bi-pin only)
P	Parabolic louvre

Suffix	Description
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)
DIM	Dimmable ballast

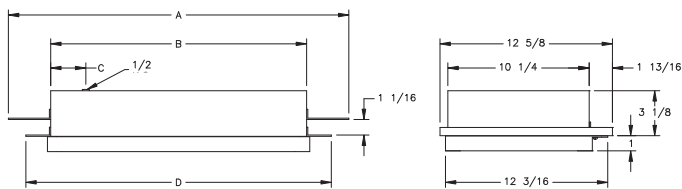
\*For T5 and T5HO, EM ballast is fixed voltage, 120 or 277V, 50/60 Hz.

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

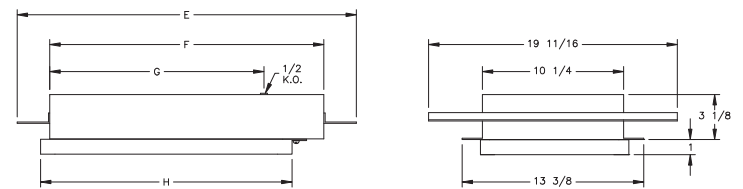
\*\*\*Not available in 24W or 54W.

## Dimensions

Parallel



Perpendicular



	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	22-3/8
28W, 32W, 40W, 54W	57-1/2	45-11/16	14-3/4	52-1/4	53-5/8	49-1/3	34	46-1/4