

Applications:

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

Features:

- Multi-voltage electronic ballast resistant to brownouts or voltage and frequency fluctuations
- Shoc-Loc bi-pin spring loaded lamp holders for double-ended lamps provide resistance to shock and vibration while maintaining positive electrical pin contact
- 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
- 3- and 4-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 (contact factory)

Certifications and compliances:

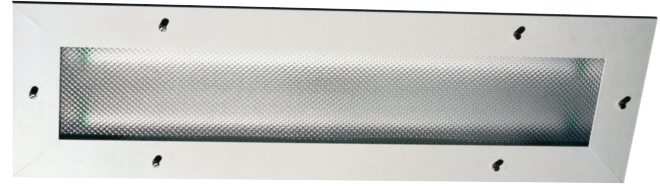
- UL1598A – Luminaires for Marine Vessels
- UL924 – Emergency Lighting Equipment
- B-15 fire rating^A (when integrated with B-15 fire rated ceiling and properly insulated) (steel models only)
- Conforms to IP52
- Marine Inside Drip Proof Type
- ABS

Standard materials and finishes:

- Housing – Type 5052H32 aluminum with an electrostatically applied polyester powder coat finish; cold rolled steel (optional)
- Lens frame – Type 6063T6 copper-free aluminum with an electrostatically applied polyester powder coat finish
- Lens – flat prismatic DR acrylic; flat white or prismatic drop dish (optional)
- Reflector – Type 5052H32 aluminum with an electrostatically applied white polyester powder coat finish; minimum 90% reflectance

Photometrics:

- Complete photometrics can be found at www.crouse-hinds.com/photometrics



Technical specifications:

- Entries – 1/2" and 3/4" NPT knockouts at each end
- Lamp holder – Shoc-Loc bi-pin spring loaded on one end
- Terminal block – 2-pole terminal block located on an access plate
- Ballast – 120-277V, 50/60 Hz electronic, except F20 and F40 T12 bi-pin, which are 120V, 60 Hz

Watts	Ballast / socket type	ANSI lamp code	Starting temperature	Max. ambient °C [ⓐ]	Supply wire °C
17	T8 bi-pin G13	F17-T8	0°F (-18°C)	55	90
32	T8 bi-pin G13	F32-T8	-20°F (-29°C)	55	90
14/28	T5 mini bi-pin G5	F14/F28-T5	0°F (-18°C)	55	90
24/54	T5HO mini bi-pin G5	F24/F54-T5HO	-20°F (-29°C)	55	90

- 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

Mounting option:

- Recessed ceiling mount

Options:

Description	Suffix
• Emergency battery back-up ballast, one lamp, 277V max., test switch.....	EMT2[ⓐ]
• Emergency battery back-up ballast, high lumen, one lamp, 277V max., test switch.....	EMT3[ⓐ]
• Drop dish prismatic lens.....	H
<i>Replace suffix J in catalog number</i>	
• Flat white lens.....	E
<i>Replace suffix J in catalog number</i>	
• Steel housing (B-15 fire rating).....	K
• Lamps.....	L[ⓐ]
• Long life lamps (F54T5HO only).....	LL[ⓐ]
• 220V, 50 Hz ballast (T12 bi-pin only).....	225
• 220V, 60 Hz ballast (T12 bi-pin only).....	226
• 277V, 60 Hz ballast (T12 bi-pin only).....	276
• Red filter tube with separate ballast (one lamp).....	RV-1[ⓐ]
• Red filter tube (all lamps).....	RV[ⓐ]
• Blue filter tube with separate ballast (one lamp).....	BV-1[ⓐ]
• Blue filter tube (all lamps).....	BV[ⓐ]
• Yellow filter tube with separate ballast (one lamp).....	YV-1[ⓐ]
• Yellow filter tube (all lamps).....	YV[ⓐ]

^AB-15 rated covers must be purchased separately.

^BContact factory for optional higher ambient models.

^CFor T5 and T5HO, EM ballast is fixed voltage, 120 or 277V, 50/60 Hz.

^DLamps are not included unless option 'L' or 'LL' is specified.

^ENot available in 24W or 54W.

Ordering information:

Cat. #	Nominal length	Lamp type	No. of lamps / nominal lamp wattage	Weight (lbs.)
FR114J	2 ft.	F14T5	1 x 14W	9.5
FR214J	2 ft.	F14T5	2 x 14W	10.0
FR314J	2 ft.	F14T5	3 x 14W	15.5
FR414J	2 ft.	F14T5	4 x 14W	16.0
FR117J	2 ft.	F17T8	1 x 17W	9.5
FR217J	2 ft.	F17T8	2 x 17W	10.0
FR317J	2 ft.	F17T8	3 x 17W	15.5
FR417J	2 ft.	F17T8	4 x 17W	16.0
FR120J	2 ft.	F20T12	1 x 20W	10.5
FR220J	2 ft.	F20T12	2 x 20W	11.0
FR320J	2 ft.	F20T12	3 x 20W	17.5
FR420J	2 ft.	F20T12	4 x 20W	18.0
FR124J	2 ft.	F24T5HO	1 x 24W	9.5
FR224J	2 ft.	F24T5HO	2 x 24W	10.0
FR324J	2 ft.	F24T5HO	3 x 24W	15.5
FR424J	2 ft.	F24T5HO	4 x 24W	16.0
FR128J	4 ft.	F28T5	1 x 28W	13.5
FR228J	4 ft.	F28T5	2 x 28W	14.0
FR328J	4 ft.	F28T5	3 x 28W	22.0
FR428J	4 ft.	F28T5	4 x 28W	22.5
FR132J	4 ft.	F32T8	1 x 32W	13.5
FR232J	4 ft.	F32T8	2 x 32W	14.0
FR332J	4 ft.	F32T8	3 x 32W	22.0
FR432J	4 ft.	F32T8	4 x 32W	22.5
FR140J	4 ft.	F40T12ES	1 x 34W	14.5
FR240J	4 ft.	F40T12ES	2 x 34W	15.0
FR340J	4 ft.	F40T12ES	3 x 34W	24.0
FR440J	4 ft.	F40T12ES	4 x 34W	24.5
FR154J	4 ft.	F54T5HO	1 x 54W	13.5
FR254J	4 ft.	F54T5HO	2 x 54W	14.0
FR354J	4 ft.	F54T5HO	3 x 54W	22.0
FR454J	4 ft.	F54T5HO	4 x 54W	22.5

Accessories (ordered separately):

Cat. #	Description	Cat. #	Description
FX5350	Ballast 120-277 VAC, 50/60 Hz, 1 x 14W	FX2034	Lens, 1- and 2-lamp, for 2 ft. models
FX5174	Ballast 120-277 VAC, 50/60 Hz, 1 x 17W	FX2035	Lens, 3- and 4-lamp, for 2 ft. models
FX5307	Ballast 120-277 VAC, 50/60 Hz, 1 x 24W	FX2036	Lens, 1- and 2-lamp, for 4 ft. models
FX5350	Ballast 120-277 VAC, 50/60 Hz, 1 x 28W	FX2037	Lens, 3- and 4-lamp, for 4 ft. models
FX5221	Ballast 120-277 VAC, 50/60 Hz, 1 x 32W	FX4009	Lamp holder, spring loaded
FX5305	Ballast 120-277 VAC, 50/60 Hz, 1 x 54W	FX4008	Lamp holder, stationary
FX5350	Ballast 120-277 VAC, 50/60 Hz, 2 x 14W	FX4008SET	Lamp holder, set (1 ea. FX4009, FX4008)
FX5340	Ballast 120-277 VAC, 50/60 Hz, 2 x 17W	FX3001	Terminal block, 2-pole
FX5307	Ballast 120-277 VAC, 50/60 Hz, 2 x 24W	CX3070	Terminal block, 4-pole
FX5350	Ballast 120-277 VAC, 50/60 Hz, 2 x 28W	FX2193RED	Filter tube, red 17W T8
FX5340	Ballast 120-277 VAC, 50/60 Hz, 2 x 32W	FX2192RED	Filter tube, red 20W T12
FX5305	Ballast 120-277 VAC, 50/60 Hz, 2 x 54W	FX2198RED	Filter tube, red 32W T8
FX5009	Ballast 120V, 60 Hz, 1 x 20W	FX2194RED	Filter tube, red 34W T12
FX5326	Ballast 120V, 60 Hz, 1 x 34W	FX2192BLU	Filter tube, blue 20W T12
FX5326	Ballast 120V, 60 Hz, 1 x 40W	FX6818	B-15 covers, 1- and 2-lamp, 2 ft.
FX5001	Ballast 120V, 60 Hz, 2 x 20W	FX6819	B-15 covers, 3- and 4-lamp, 2 ft.
FX5004	Ballast 120V, 60 Hz, 2 x 34W	FX6820	B-15 covers, 1- and 2-lamp, 4 ft.
FX5004	Ballast 120V, 60 Hz, 2 x 40W	FX6821	B-15 covers, 3- and 4-lamp, 4 ft.
FX3573	Lamp, 14W, F14T5		
FX3574	Lamp, 28W, F28T5		
FX3568	Lamp, 24W, F24T5HO		
FX3567	Lamp, 54W, F54T5HO		
FX3577	Lamp, 54W, long life, F54T5HO		
FX3528	Lamp, 17W, F17T8		
FX3527	Lamp, 32W, F32T8		
FX3506	Lamp, 20W, F20T12		
FX3504ES	Lamp, 34W, F40T12ES		

Dimensions (in inches):

