

Pauluhn FEPR explosionproof linear fluorescent luminaires

Cl. I, Div. 1, Groups C, D
Cl. II, Div. 1, Groups E, F, G
Cl. III
Conforms to IP66

5L

Applications:

- High, mid and low bay
- Paint booths^A
- Paint and formulation facilities^A
- Aircraft fueling and maintenance areas^A
- Oil and gas exploration and production
- Fuel dispensing facilities^A
- Marine and watertight requirements
- Petrochemical facilities^A
- Dusttight requirements

Features:

- High output luminaire, up to 40,000 raw lumens
- Available with two T5^B/T5HO lamps in each globe assembly
- Fluorescent system provides energy savings up to 50% when compared to HID
- Multi-voltage electronic ballast resistant to brownouts or voltage and frequency fluctuations
- Ease of maintenance with factory sealed, field replaceable globe assemblies
- Provided with 4100°K, low mercury TPLC compliant lamps
- Impact-resistant borosilicate glass tubes
- Relamping from either end of the luminaire allows for flexible positioning
- Adjustable mounting brackets allow a 180° range of aiming positions
- Integral safety cable mounting points
- Spring loaded lamp holders for maximum vibration resistance
- UL844 certified for 55°C ambient^A
- Optional UL Listed for paint spray booth applications^A
- Optional, self-contained emergency battery back-up ballasts
- UL Listed for 55°C (131°F) (select models)^A
- Optional long life T5 lamps available upon request (contact factory)^B

Certifications and compliances:

- Class I, Division 1, Groups C, D
- Class II, Division 1, Groups E, F, G
- Class III
- UL844 – Hazardous Locations
- UL924 – Emergency Lighting Equipment
- UL1598A – Luminaires for Marine Vessels
- CSA – Class 3428 03
- CSA – Class 3428 83
- Marine Outside Type Saltwater
- Paint Spray Booth Approval (optional)
- Rated up to 55°C
- Conforms to IP66
- ABS

Standard materials and finishes:

- Housing – cast copper-free aluminum or cast marine brass (see listings)
- Optional end caps – nickel-plated brass
- Optional guard – stainless steel
- Hardware – stainless steel
- Reflector – Type 5052H32 aluminum or marine brass (see listings) with an electrostatically applied white polyester powder coat finish; minimum 90% reflectance
- Globe assembly – high impact-resistant tempered borosilicate glass
- Lamp holder – engineered plastics, no urea materials



Aluminum



Brass

Technical specifications:

- Entries – two 3/4" NPT outlets, one plugged
- Lamp holder – spring loaded for T5, T5HO, T8 and T12 lamp types
- Ballast – 120-277V, 50/60 Hz electronic; 347V and 480V (optional)
- 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 options:

- Two adjustable surface mount brackets with 3/8" ø mounting holes; two beam clamps and one 48" stainless steel safety cable with snap hook provided

Photometrics:

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

Temperature performance data:

Watts	Ballast / socket type	ANSI lamp code	Class I	Class II; Class III	Starting temperature	Maximum ambient °C ^C	Supply wire °C
14/28	T5 mini bi-pin G5	F14/F28-T5	T5	T3C	0°F (-18°C)	55	90
17	T8 bi-pin G13	F17-T8	T5	T3C	0°F (-18°C)	55	90
32	T8 bi-pin G13	F32-T8	T5	T3C	-20°F (-29°C)	55	90
24/54	T5HO mini bi-pin G5	F24/F54-T5HO	T5	T3C	-20°F (-29°C)	55	90
35/60	T12HO RDC R17d	F24/F48-T12HO	T5	T3C	-20°F (-29°C)	55	90
24/54	T5HO mini bi-pin G5	F24/F54-T5HO	T5	T3C	-20°F (-29°C)	40	90

^AApplicable for aluminum models only.

^BApplicable for brass models only.

^CContact factory for optional higher ambient models.

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Ordering information:

Part number example
FEPR260A**

FEPR

Model

FEPR

2

Number of lamps

1	1 lamp (no EM option)
	2 lamps
2	– Single globe assembly for T5 lamp type – 2 globe assemblies for T8 and T12 lamp types
3	3 lamps (no EM option)
	4 lamps
4	– 2 globe assemblies for T5 lamp type – 4 globe assemblies for T8 and T12 lamp types
6^D	6 lamps (no EM option), 3 globe assemblies for T5 lamp type only
8	8 lamps, 4 globe assemblies for T5 lamp type only

60

Lamp type

14	2 ft. F14 T5 mini bi-pin
17	2 ft. F17 T8 bi-pin
24	2 ft. F24 T5HO mini bi-pin
28	4 ft. F28 T5 mini bi-pin
32	4 ft. F32 T8 bi-pin
35	2 ft. F24 T12HO RDC
54	4 ft. F54 T5HO mini bi-pin
60	4 ft. F48 T12HO RDC

Housing material

A	Aluminum
B	Marine brass

A

Options

EM1^E	Emergency battery back-up ballast, one lamp, 277V max.
EMT1^E	Emergency battery back-up ballast, one lamp, 277V max., test switch
EM2^F	Emergency battery back-up ballast, one lamp, 277V max.
EMT2^G	Emergency battery back-up ballast, one lamp, 277V max., test switch
EM3^F	Emergency battery back-up ballast, high lumen, one lamp, 277V max.
EMT3^G	Emergency battery back-up ballast, high lumen, one lamp, 277V max., test switch
GRD	Stainless steel wire guard (field installable)
PNT^G	Paint spray area type luminaire
CY4	Pendant mount 3/4" NPT (not field installable); (not available with SM option)
TLT	Tilt mount brackets
SM	Shock and vibration mount (not available with CY4 option)
T	Terminal block
NP	Nickel-plated brass end cap assemblies
346	347V, 60 Hz (contact factory)
486	480V, 60 Hz (contact factory)

^DNot for marine applications.

^ET5/T5HO models only.

^FNot for T5/T5HO models or 60W HO.

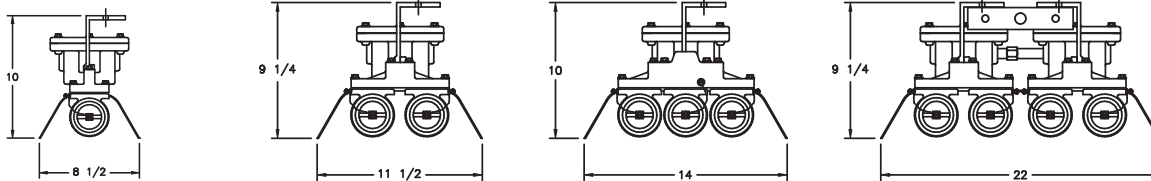
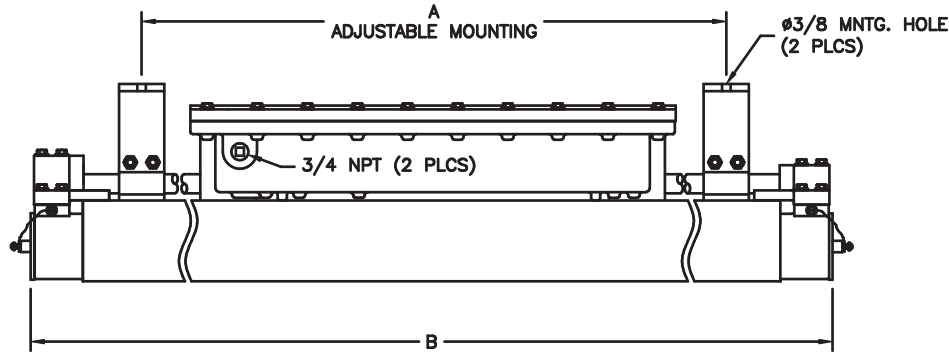
^GApplicable for aluminum models only.

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Dimensions:



Nominal length	Dimensions in inches / centimeters		Globes	Carton L x W x D (in.)
	A	B		
2 foot	18 ¹ / ₂ - 22 ¹ / ₂ (47 - 57 ³ / ₂₀)	30 (76 ¹ / ₅)	1, 2, 3 4	34 ⁵ / ₈ x 13 ³ / ₈ x 10 ³ / ₈ Contact factory
4 foot	18 ¹ / ₂ - 46 (47 - 116 ²¹ / ₂₅)	54 (137 ⁴ / ₂₅)	1, 2 3, 4	58 ³ / ₄ x 12 ³ / ₄ x 10 55 ¹¹ / ₁₆ x 17 ³ / ₄ x 10 ⁹ / ₁₆

Nominal weight lbs. (kg.)

Aluminum				Brass			
1 globe	2 globes	3 globes	4 globes	1 globe	2 globes	3 globes	4 globes
26.0 (11.8)	32.0 (14.5)	43.0 (19.5)	66.0 (29.9)	31.0 (14.0)	40.0 (18.0)	53.0 (24.0)	83.0 (38.0)
32.0 (14.5)	40.0 (18.1)	52.0 (23.6)	83.0 (37.6)	37.0 (17.0)	48.0 (22.0)	62.0 (28.0)	100.0 (45.0)