

PRODUCT INFORMATION

FEN FEM



Intended Use
Ideal for use in cold, wet or damp environments where an attractive yet shallow enclosure is required - such as parking garages, industrial facilities, retail malls and multi-purpose centers. Well-suited for lower mounting heights where wide fixture spacings are required. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
One-piece fiberglass housing with continuous poured-in-place closed-cell gasket. Internal backplate functions

as reflector and wireway cover. Tool-less ballast and wiring access.

Standard backplate has premium polyester powder coat finish, utilizing a seven-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Optics
Blow-molded UV-stabilized polycarbonate diffuser with lineal ribs is standard for 4' fixtures. Injection-molded impact-resistant acrylic lens with lineal ribs is standard for 8' fixtures, and optional for 4' fixture. Optically clear deep acrylic lens (3.5" deep, available in 4' and 8')

also available for use with precision-formed specular aluminum reflectors. Stain-less steel latches included with all fixtures. Optional specular aluminum reflector with 95% total reflectance also is available and is warranted for 25 years.

Electrical
Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL listed wire, rated for required temperatures, used throughout.

Lamps are secured with rotary locking lampholders for ease of re-lamping and

to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various CRI ratings, temperature colors and rated life.

Installation
Surface conduit entry provisions with watertight plugs are standard for this fixture series. Pair of stainless steel mounting brackets included. May also be suspended by aircraft cable, chain hangers or stems (not included).

Listings
Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for wet locations. IP65 and IP67 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: FEM4 2 54T5HO S1X32 BMPCL MVOLT GEB10PS90 LP841

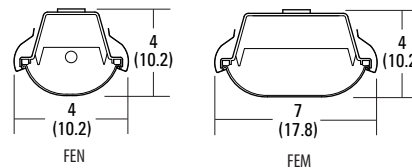
Series	Number of lamps ¹	Lamp type	Distribution/Reflector		Shielding	
FEN4 4" x 4'	1	28T5 28W T5 (46")	Distribution	Reflector	BMPCL	Polycarbonate, lineal-ribbed ⁴
FEM4 8" x 4'	2	32 32W T8 (48")	(blank) Flat ballast cover	(blank) White powder coat	IMACL	Acrylic, lineal-ribbed
FEM8 8" x 8'		54T5HO 54W T5HO (46")	F1 Focus (0.9>SC) ²	X20 Specular aluminum ³	IMACD	Acrylic, clear deep
			S1 Spread (1.4<1.8 SC) ²	X32 Specular aluminum, heavy gauge		

Voltage	Ballast configuration	Ballast	Lamp color	Options
MVOLT 120V - 277V, 60 Hz	(blank) All 1-lamp or 2-lamp ballasts	GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF	(blank) No lamps	EL14DW Wet location battery pack (1400 lumens)
HVOLT 347V - 480V, 60 Hz	1/4 One 4-lamp ballast	GEB10ISH T8 electronic ballast, ≤10% THD, instant start, high BF	LP830 85 CRI, 3000K, std. life	
		GEB10ISL T8 electronic ballast, ≤10% THD, instant start, low BF	LP835 85 CRI, 3500K, std. life	
		GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	LP841 85 CRI, 4100K, std. life	
		GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	LP850 85 CRI, 5000K, std. life	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NUMBER OF LAMPS	LAMP TYPE	WIDTH	HEIGHT	LENGTH
FEN4	1	32, 28T5, 54T5HO	4 (10.2)	4 (10.2)	51-3/4 (131.4)
FEM4	1, 2	32, 28T5, 54T5HO	7 (17.8)	4 (10.2)	51-3/4 (131.4)
FEM8	1, 2	32, 28T5, 54T5HO	7 (17.8)	4 (10.2)	100 (254.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for lamp compatibility.
- 2 Available with IMACD lens only.
- 3 Not available with flat ballast cover.
- 4 BMPCL lens option available in 4ft fixtures ONLY.