

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for use in food processing, manufacturing, industrial, schools, gymnasiums and exterior retail environments. Not for use or installation in direct outdoor sunlight. Must be installed under canopy or covered ceiling. For direct sunlight installations, please refer to the [FEX](#) product family. Fiberglass enclosure protects fixture while remaining easy to service and clean. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — One-piece 5VA rated fiberglass housing with continuous poured-in-place, closed-cell gasket. Tool-less ballast and wiring access.

OPTICS — Injection-molded, impact-resistant clear acrylic diffuser with frosted ends and side lineal prisms is standard (.080" thick), securely tethered to fixture for ease of maintenance. UV stabilized polycarbonate diffuser option also is available (.080" thick). Stainless steel latches (12) included. Reflectors are precision-formed, high-performance, segmented optics utilizing premium specular aluminum. Provides 95% reflectivity and warranted for 25 years.

ELECTRICAL — Ballasts: Thermally protected, resetting, Class P, HPF, Sound Rating A+. UL listed wire, rated for required temperatures, used throughout. T8 ballast starting temperature is -18°C (0°F) and T5HO starting temperature is -29°C (-20°F).

Lamps: 4100K lamps standard. Secured with rotary locking lampholders for ease of re-lamping and to minimize disconnection due to vibration or incidental contact.

INSTALLATION — Fixture can be offset or suspended mounted with the appropriate mounting accessories. Surface conduit entry provisions with watertight plugs are standard. Stainless steel universal hanging clips included for suspension with aircraft cable (cable not included). Optional stainless steel V-hooks available for chain hanging (chain not included).

LISTINGS — UL/C-UL listed to US and Canadian Safety Standard. NOM Certified (see Options). UL listed for 40°C ambient (except six-lamp 54T5HO, which is UL listed at 35°C ambient). Suitable for wet location. IP65, IP66 and IP67 rated and certified to meet NSF Splash Zone 2. NEMA 4X.

WARRANTY — 1-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



High-Pressure Hose-Down

FHE

FOOD PROCESSING

2-, 3-, 4- or 6-lamp, T5HO, T5 or T8

Specifications

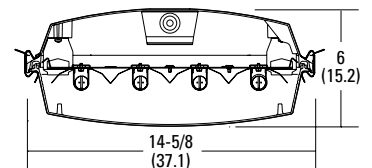
Length: 52.0 (132.0)

Width: 14-5/8 (37.1)

Depth: 6 (15.2)

Weight: 26.2 lbs. (11.88 kg)

All dimensions are inches (centimeters) unless otherwise specified.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: FHE 454L 1/4

FHE									
Series	Lamp type ¹			Shielding		Distribution		Voltage	
FHE 15"X4'	<u>T5HO lamps</u>	<u>T5 lamps</u>	<u>T8 lamps</u>	(blank)	Clear acrylic	<u>White ballast cover</u>	(blank)	MVOLT;	(blank)
	254L 2 lamps, 54W	228T5L 4 lamps, 28W	232L 2 lamps, 32W	PCL	Clear polycarbonate	(blank) General distribution		120-277V	1/3 One, three-lamp ballast ²
	354L 3 lamps, 54W	328T5L 3 lamps, 28W	332L 3 lamps, 32W			<u>Specular reflector</u>		HVOLT 347-480V ²	1/4 One, four-lamp ballast ²
	454L 4 lamps, 54W	428T5L 4 lamps, 28W	432L 4 lamps, 32W			ND Narrow distribution			2/3 Two, three-lamp ballasts ²
	654L 6 lamps, 54W	628T5L 6 lamps, 28W	632L 6 lamps, 32W			SD Spread distribution			1/41/2 One, four-lamp and one, two-lamp ballast ²

Ballast	Options ³				Lamps installed ¹³	
<u>T5/T5HO</u>	CS89 6' white cord, 16/3, no plug, wet location	RMK Rigid mount kit, 18 gauge stainless steel	(blank) 85 CRI, 841			
➤(blank) 1.0 BF, PRS	CS89L12 12' white cord, 16/3, no plug, wet location	PMP Pendant monopoint ⁷	LP830 85 CRI, 830			
ACRP 1.0 BF, Advance cool running plus	CS88 6' Brad Harrison 16/3 cord and straight blade plug set ⁴	WLF Wet location fitting (two pre-installed, 40" off centers) ⁸	LP835 85 CRI, 835			
<u>T8</u>	OCS Reloc OnePass 5' installed ^{4,5}	MSI___ Wet location 360° motion sensor ^{9,10}	LP850 85 CRI, 850			
(blank) 1.18 BF, IS	EL14DW Emergency lighting (1400 lumens) ^{4,6}	TRS Tamper-resistant screws ¹¹	<u>Energy-saving</u>			
GEB10IS .88 BF, IS	MHKB Stainless steel V-hook and brackets	NOM Meets Mexican standards	<u>T5 49W lamps</u>			
GEB10ISL .76 BF, IS	SMB Surface mounting bracket	RIF_ Radio interference filter ¹²	P841E49 F54T5HO/841			
GEB10PS .88 BF, PRS	EMK End mount suspension bracket	DL Damp location listed	P835E49 F54T5HO/835			
			P850E49 F54T5HO/850			

Accessories: Order as separate catalog number.			
FHEMHKB	Stainless steel V-hook and brackets	MHHK120	10' single leg aircraft cable ¹⁵
FHEEMK	End mount suspension bracket	MHHK120SS	10' single leg aircraft cable, stainless steel ¹⁵
FHERMK	Rigid mounting bracket	FHEACT120	10' Y-toggle aircraft cable
FHESMB	Surface mounting bracket	FHEACT240	20' Y-toggle aircraft cable
MHCH36	3' Double chain ¹⁴	RK1 T10DRV	Torx® T10 screwdriver for TRS option
LCF	Light/Glare control film		

Notes

1 To order fixtures WITHOUT lamps, remove the "L" from the description (EX: FHE 454).

2 Not available with 28T5.

3 For additional options consult factory.

4 Must specify voltage.

5 Requires DL option

6 Output in emergency mode varies with ambient temperature (approx. 944 lumens at 25°C and 911 lumens at 45°C. Single-lamp operation only. Not available with 654, 654L or HVOLT. Not available to ship into California, does not meet CEC Title 20 compliance.

7 Housing pre-drilled with WLF in center; additional support cables required.

8 Fixture will no longer be NEMA 4X rated.

9 For mounting up to 20', specify MSI20; for mounting up to 40', specify MSI40. IP65 rated but not recommended for high pressure hose down.

10 GEB10PS recommended.

11 Stainless steel Torx® T10 screws with center reject pin.

12 Use RIF1 for one filter per fixture & RIF2 for one filter per ballast.

13 Alternate lamp color need only be specified if pre-installed lamps are provided.

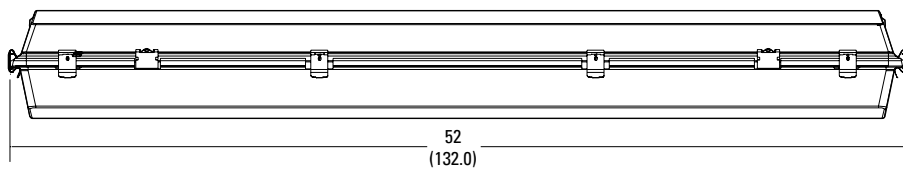
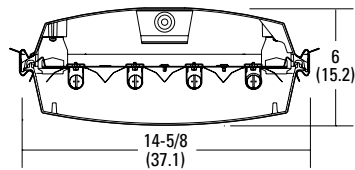
14 For use with MHKB option.

15 For use with EMK option.

FHE Fluorescent High-Pressure Hose-Down, T5, T5HO and T8

DIMENSIONS

Inches (centimeters). Subject to change without notice.



Thermal Factor to Apply in Illuminance Calculations*							
Fixture	# Lamps	34°F		0°F		-20°F	
		F54T5HO	F32T8	F54T5HO	F32T8	F54T5HO	F32T8 ¹
FHE	4 lamp	1.14	1.10	0.97 ¹	0.90 ¹	0.63 ¹	0.51
FHE	6 lamp	1.13	1.12	1.28	1.15	1.11 ²	1.02

- * Also apply appropriate factors for lumen depreciation, dirt and ballast factor.
- * Factors for F32T8 are based upon 32-watt lamps using high ballast factor ballasts, so an appropriate high ballast factor (typically 1.12 to 1.20) should be used.
- * For F32T8 lamps, use manufacturer's rated lumens (initial) per lamp.
- * For F54T5HO lamps, use 4450 lumens (initial) per lamp.

¹ Not recommended.
² For continuous operation only

MOUNTING ACCESSORIES



Cable



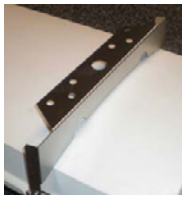
V-hook, cable



V-hook, chain



FHEEMK – End mount suspension bracket**



FHERMK – Rigid mounting bracket**



PMP – Pendant monopoint



WLF – Wet location fitting (two pre-installed, 40" off centers)

** Made from 304 stainless steel

PHOTOMETRICS

See www.lithonia.com for photometry reports.