

## FEATURES & SPECIFICATIONS

**INTENDED USE** — An attractive and energy-efficient surface-mounted or suspended linear fluorescent luminaire, suitable for wet, damp locations. Ideal for challenging situations where relatively low fixture mounting heights and wide fixture spacings are common — such as parking garages, industrial facilities, retail malls, multi-purpose centers and airports. 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 [EMX](#) product family. **Certain airborne contaminants can diminish integrity of plastics. Click here for Acrylic/Polycarbonate Environmental Compatibility table, for suitable uses.**

**CONSTRUCTION** — Shallow one-piece SVA fiberglass housing with integral perimeter channel utilizing continuous poured-in-place closed cell gasket. UL approved as a wireway and through wiring. Tool-less ballast and wiring access. Power connection is easily accommodated through pre-drilled holes at each end. Wet location plugs provided for maximum flexibility. Captive Steel latches are standard. Polycarbonate latches are optional.

**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. Optically clear deep acrylic lens (3.5" deep available for 4' and 8') also available. Additional lens options available. Deep lens is standard with lens tether for ease of maintenance. White ballast cover has polyester powder coat finish.

Factory-installed lamps are available in various temperature colors and rated life. Lamps are secured with rotary locking lamp holders for ease of relamping and to provide a more secure lamp seating. Wall mounting; horizontal orientation only for use in damp locations.

**ELECTRICAL** — All standard ballasts are electronic, energy saving, thermally protected, Class-P, HPF, non-PCB, Sound Rated A, UL/CSA certified where applicable. Lamp and ballast configurations shown in "Configurations" chart.

**INSTALLATION** — May be ceiling mounted or suspended by chain, cable or threaded rod. Stainless steel mounting brackets included (two per luminaire), pre-punched for easy field-attachment of bolts, screws and other mounting hardware. Not recommended for use in above 40°C when suspended; 35°C when surface mounted. When dimming ballast is used ambient temperature is 25°C.

Catalog Number
Notes
Type

### Low-Profile Enclosed and Gasketed Industrial



# EMS

T5, T5HO or T8 Lamps



**LISTINGS** — UL Listed for wet locations. NSF splash zone certified. Meets FDA/USDA Guidelines for shielding around exposed food. IP65, IP66 and IP67 rated.

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative. **Example: EMS4 2 54T5HO T1X20 BMPCL MVOLT GEB10PS90 LP841**

Series	Number of lamps <sup>1</sup>	Lamp type <sup>1</sup>	Distribution/Reflector <sup>2</sup>	Shielding	Voltage
EMS2 7" x 2'	1	17 17W T8 (24")	(blank) Flat ballast cover	BMPCL Polycarbonate, lineal ribbed lens	120 120V
EMS4 7" x 4'	2	14T5 14W T5 (22")	X32 Specular aluminum ballast cover with spread distribution	BMPFL Frosted, Polycarbonate, lineal ribbed lens (Not available in 8') <sup>7</sup>	208 208V
EMS8 7" x 8'	3 <sup>2</sup>	24T5HO 24W T5HO (22")	T1X20 Specular aluminum reflector, Task beam, (0.9 ≤ SC < 1.2)	IMACL Acrylic, lineal ribbed lens(not available in 2')	240 240V
		32 32W T8 (48")	S2X20 Specular aluminum reflector enhanced spread beam, (1.4 ≤ SC < 1.8) <sup>6</sup>	IMAFD Acrylic, clear deep lens (not available in 2')	277 277V
		28T5 28W T5 (46") <sup>3</sup>		IMAFD Acrylic, frosted, deep lens (not available in 2') <sup>7</sup>	347 347V
		54T5HO 54W T5HO (46") <sup>4</sup>			480 480V
					MVOLT 120-277V
					HVOLT 347-480V

Ballast configuration	Ballast	Options	Lamp color <sup>16</sup>
(blank) All 1-lamp or 2-lamp ballasts <sup>8</sup>	GEB10ISH T8 electronic ballast, ≤10% THD, instant start, 1.15-1.2 BF	EL14DW Wet location battery pack (1400 nominal lumens) <sup>10, 11, 12</sup>	(blank) No lamps
1/3 One 3-lamp ballast	GEB10IS T8 electronic ballast, ≤10% THD, instant start, .88 BF	EL6DW Wet location battery pack (600 nominal lumens) <sup>10, 11, 12</sup>	LP830 85 CRI, 3000°K, standard life
1/4 One 4-lamp ballast		GLR Internal fast-blow fuse <sup>11</sup>	
1/41/2 One 4-lamp, one 2-lamp ballast (EMS8 only)	GEB10PS Electronic ballast, ≤10% THD, programmed start	PLCL Polycarbonate latches	LP835 85 CRI, 3500°K, standard life
2/3 Two 3-lamp ballast (EMS8 3 lamp only)	GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, program start, 1.0 BF (54T5HO only)	TRS Tamper-resistant Torx® T10 screws	LP841 85 CRI, 4100°K, standard life
2/1 Two 1-lamp ballast	ADZT Advance Mark VII dimming ballast <sup>9</sup>	MSL_ Wet location sensor <sup>11, 13, 14</sup>	LP850 85 CRI, 5000°K, standard life
	ADEZ Advance Mark X dimming ballast <sup>9</sup>	CS89 6' white cord 16/3, no plug, wet location	
	ACRP Advance Cool Running Plus <sup>10</sup>	CS89L12 12' white cord 16/3 no plug, wet location	<b>49 watt lamps<sup>17</sup></b>
		CS88 6' yellow cord 16/3, Brad Harrison 3P special configuration straight plug, wet location	P835E49 85 CRI, 3500°K
		CS88L12 12' yellow cord 16/3, Brad Harrison 3P special configuration straight plug, wet location	P841E49 85 CRI, 4100°K
		WLF Wet location fitting (one pair installed top, 44" off center) <sup>15</sup>	P850E49 85 CRI, 5000°K
		DPMB Dual pendant monopoint bracket for use with 3/8" threaded rod	

### Accessories: Order as separate catalog number.

HHC36 M12	Hook and 36" chain (ships as pair)
HMHHK120	10' single leg air craft cable
HMHHK120SS	10' single leg aircraft cable, stainless steel
WLF	Wet location fitting, one pair not installed <sup>15</sup>
EMSDPMB	Dual pendant monopoint bracket (ships as a pair) for use with 3/8" threaded rod
RK1 T10DRV U	Torx T10 screwdriver for use with tamper resistant screws

### Notes

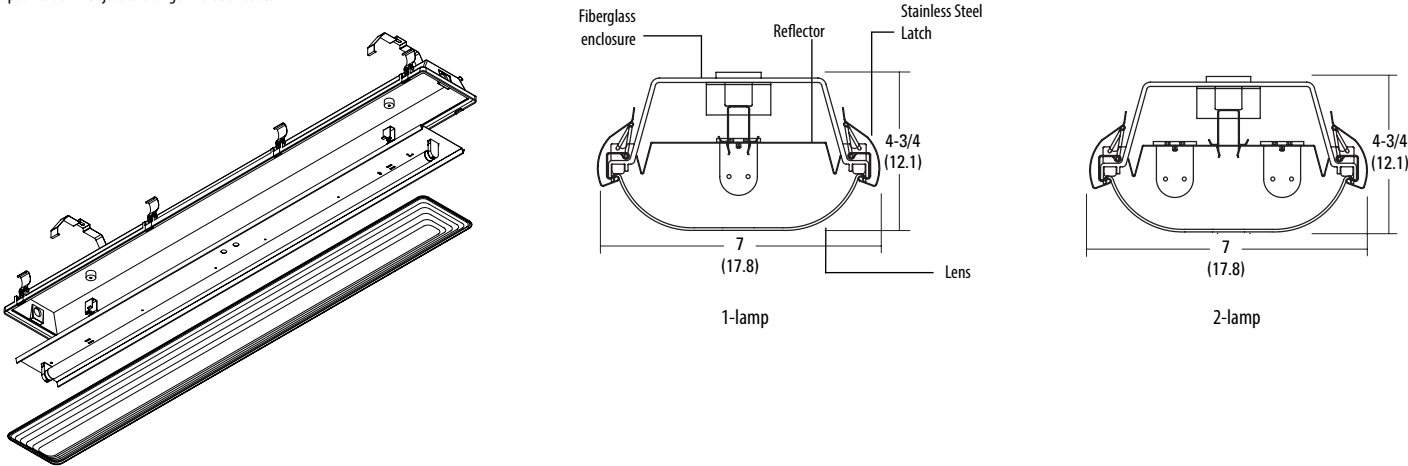
- See Configurations table above for lamp compatibility.
- T8 lamps only.
- Must specify GEB10PS.
- Must specify GEB10PS90.
- See Distribution/Reflector configurations table for available combinations.
- Available with 2-lamp IMACD and IMAFD only.
- Frosted lenses may alter photometric performance.
- Not all ballasts are available in all configurations.
- Fixture ambient temperature 25°C when dimming ballasts are used.
- Available in 4' and 8' fixtures.
- Must specify voltage, only available in 120V and 277V.
- Wet location battery pack not available with any cord and plug options.
- Must specify GEB10PS, GEB10PS90, or ACRP. Not available with instant start ballasts.
- For mounting up to 8' specify MS18, for mounting up to 20', specify MS120; for mounting up to 40', specify MS140.
- WLF option does not meet NEMA4X.
- Other lamp types available. Consult factory.
- 54T5HO only.

EMS
Low-Profile Enclosed and Gasketed Specular



DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.
Specifications subject to change without notice.



PHOTOMETRICS

See www.holophane.com.

Table with 6 columns: SERIES, # OF LAMPS, LAMP TYPE, WIDTH, DEPTH, LENGTH. Rows include EMS2, EMS4, EMS8 configurations with various lamp types and lens options.

Table with 9 columns: SERIES, DISTRIBUTION, REFLECTOR, BMPCL, BMPFL, IMACL, IMAFL, IMACD, IMAFD. Rows show distribution and reflector configurations for EMS2, EMS4, EMS8.

Note: Adding a cord set or wet location fitting to the end of the fixture will add 1" to the overall length.