SECTION 26 50 00

LIGHTING

Display hidden notes to specifier. (Don't know how? [Click Here](http://www.arcat.com/sd/display_hidden_notes.shtml))

*Copyright 2012 - 2015 ARCAT, Inc. - All rights reserved*

\*\* NOTE TO SPECIFIER \*\* Engineered Lighting Products; light fixtures.
.
This section is based on the products of Engineered Lighting Products, which is located at:
10768 Lower Azusa Rd.
El Monte, CA 91731
Tel: 626-579-0943
Fax: 626-579-6803
Email: [request info (elp2@aol.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Engineered+Lighting+Products&coid=38905&rep=&fax=626-579-6803&message=RE:%20Spec%20Question%20(16500elp):%20%20&mf=)
Web: [www.elplighting.com](http://www.elplighting.com)
 [ [Click Here](http://www.arcat.com/arcatcos/cos38/arc38905.html) ] for additional information.
Engineered Lighting Products manufactures superior interior and exterior lighting fixtures for use in commercial and residential installations. Delivering superior fixture design that offers function, efficiency and aesthetics with knowledgeable staff that provide timely assistance for lighting design, layout, technical questions and order servicing.

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Light fixtures, including lamps and ballasts, of the following types:
			1. Interior Recessed Fixtures:
				1. Asymmetric Wash Lighting: Wall Wash, Ceiling Wash, Floor Wash.
				2. Down Lighting.
				3. Video/teleconferencing and Distance Learning Lighting.
			2. Interior Surface Mount Fixtures:
				1. Asymmetric Wash Lighting: Wall Wash, Ceiling Wash, Floor Wash.
				2. Cove Lighting.
				3. Video/teleconferencing and Distance Learning Lighting.
			3. Exterior Wet Location Lighting:
				1. Recessed Lighting.
				2. Surface Mount Lighting.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 26 05 00 - Common Work Results for Electrical.
		2. Section 26 09 43 - Network Lighting Controls.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. National Fire Protection Association (NFPA): NFPA 70, National Electrical Code.
		2. Underwriters Laboratories (UL): UL 1598 - Luminaires.
		3. Canadian Underwriters Laboratories (cUL): cUL 1598 - Luminaires.
		4. Canadian Standards Association C22.2 No. 250.0-08 / (c/CSA/us) ANSI/UL Standard 1598, 3rd Edition - Luminaires.
		5. ANSI/UL Standard 8750, (c/CSA/us) 1st Edition - Light Emitting Diode (LED) Equipment for use in Lighting Products
		6. Canadian Standards Association C22.2 No 250,13-12, (c/CSA/us) 1st Edition - Light Emitting Diode (LED) Equipment for Lighting applications.
	1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. NFPA 70 - National Electrical Code.
			2. Underwriters' Laboratories labeling.
			3. Canadian Underwriters' Laboratories labeling.
			4. Canadian Standards Association labeling.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Fixture Schedule: Manufacturer's standard fixture schedule, coordinated with project requirements and the fixture schedule on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Verification Samples: Full size unit of each fixture type, including lamps, ballasts and supports.
		2. Operation and Maintenance Data: For each fixture and component, including lamps.
	1. QUALITY ASSURANCE
		1. Compliance: Provide fixtures that comply with the following and additional local regulations.
			1. Finish areas designated by Architect.
			2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
			3. Refinish mock-up area as required to produce acceptable work.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques, workmanship and appearance.
			1. Finish areas designated by Architect.
			2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
			3. Refinish mock-up area as required to produce acceptable work.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Store products in manufacturer's unopened packaging, out of extreme heat or direct sunlight, until ready for installation. Do not switch the fixture ON until any and all protective peel is removed from reflectors and/or lenses.
	2. PROJECT CONDITIONS
		1. Coordinate locations of lighting fixtures with ceilings, ceiling mounted components, fire protection and mechanical components, and partitions.
		2. Maintain environmental conditions within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Engineered Lighting Products, which is located at: 10768 Lower Azusa Rd.; El Monte, CA 91731; Tel: 626-579-0943; Fax: 626-579-6803; Email: [request info (elp2@aol.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Engineered+Lighting+Products&coid=38905&rep=&fax=626-579-6803&message=RE:%20Spec%20Question%20(16500elp):%20%20&mf=); Web: [www.elplighting.com](http://www.elplighting.com)

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. INTERIOR RECESSED FIXTURES

\*\* NOTE TO SPECIFIER \*\* INTERIOR RECESSED FIXTURE sub-categories are:
Asymmetric Wash Lighting Fixtures.
Down Lighting Fixtures.
Video/Tele Conference and Distance Learning Lighting Fixtures.
\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Asymmetric Wash Lighting Fixtures - Ceiling, Floor and Wall Wash Products:

\*\* NOTE TO SPECIFIER \*\* Ceiling recessed and some Wall recessed fixtures to light the Wall, Ceiling or Floor. High-performance wall wash fixtures. Ideal Wall Wash - A good rule of thumb is that a wall wash fixture should be back from the wall (or surface you are lighting) 1/4 to 1/3 the distance of the height of the wall. However, in the real world, many times the structure dictates where the fixtures must be placed. ELP has the largest selection of linear, fluorescent wall wash fixtures on the market and the most lamp options. The following information will help with your selection: A - 8 inches to 12 inches from wall (203 mm to 305 mm); B - 18 inches to 24 inches from wall (457 mm to 610 mm); C - 24 inches to 36 inches from wall (610 mm to 914 mm); D - 36 inches to 48 inches from wall (914 mm to 1219 mm); E - 48 inches to 66 inches from wall (1219 mm to 1676 mm).
\*\* NOTE TO SPECIFIER \*\* AK Series: B, C, D (Ideal C&D).
\*\* NOTE TO SPECIFIER \*\* DW Series: A, B (Ideal A).
\*\* NOTE TO SPECIFIER \*\* HITW Series: B, C, D (Ideal C).
\*\* NOTE TO SPECIFIER \*\* IW Series: B, C, D (Ideal C).
\*\* NOTE TO SPECIFIER \*\* MINI Series: B, C, D (Ideal C).
\*\* NOTE TO SPECIFIER \*\* MP Series: B, C, D (Ideal C).
\*\* NOTE TO SPECIFIER \*\* VT Series: C, D (Ideal C).
\*\* NOTE TO SPECIFIER \*\* Ceiling recessed to Light the Wall and Wall recessed to light the Ceiling or Floor. High-performance wall wash fixtures with exceptional lamp shielding from the normal viewing angle. LED models are totally indirect with no view of LEDs at any angle. The shallow 3-1/2 inches (89 mm) design also allows wall installation in a standard 4 inches (102 mm) wall to wash the ceiling or floor with light. Formed, high purity aluminum reflectors provide even, unscalloped illumination. Delete if not required.

* + - 1. Product: AK Series for Drywall and Trimless installation and AKTB for T-bar, as manufactured by ELP.
				1. Description: Recessed wall washer. All fixtures are 3-1/2 inches (89 mm) deep and 8-1/2 inches (216 mm) wide with the exception of the double lamp T-8 fixtures, which are 5 inches (127 mm) deep and 10 inches (254 mm) wide. All fluorescent and LED models have integral ballast/driver with power disconnect.
				2. The shallow 3-1/2 inches (89 mm) drywall fixtures may be recessed into a standard 4 inches (102 mm) wall to wash the ceiling or floor with light. By lining the "wall recess" with gypsum, the wall installation may also be modified for a fire rated installation. The one-piece, formed reflector is high-purity aluminum (99.9%) with 97% reflectance. It is easily removable without tools for access to the ballast and wiring. Reflector design provides even, unscalloped illumination with complete lamp shielding even when viewed directly beneath the fixture. LED units are indirect with complete LED shielding from any angle. TGIC polyester powder coated, weld construction housing is made of 22 gauge (0.76 mm) CRS post painted (20 gauge on request, 0.9 mm). Finish trim for drywall fixtures is extruded aluminum. UL/CUL and CE Damp Location listed. LED units are c/CSA/us listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Anti-Microbial White (MB).
				3. Finish: Custom (Custom) Provide RAL number or paint sample to match.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Power: 120 or 277 V. Refer to Fixture Schedule.
				2. Ballast for fluorescent: HPF Electronic Ballast (Standard).
				3. Ballast for fluorescent: Dimming Ballast (Some models) (DM) Specify Type.
				4. Driver for LED: Dimming standard with Osram OT, 0-10 volt, available options are Lutron 3-wire/digital and Lutron 2-wire (120v Only).
				5. Emergency Power: (Some models) (EPP). Refer to Fixture Schedule.
				6. LED Color: 3500K (Standard)
				7. LED Color: 3000K (30K)
				8. LED Color: 4000K (40K)
				9. Lens (Fluorescent and LED only: Clear Lexan Mini (ML).
				10. Lens (Florescent and LED only): Frosted Lexan Mini (MLF).

\*\* NOTE TO SPECIFIER \*\* Full Lens Option is not available for Continuous mount or Trimless units. Standard full lens is attached to the finish trim that wraps the housing edge. Full Face Lens Plate trim covers the entire face of the fixture with the lens only at the illuminated aperture. Delete options not required.

* + - * 1. Lens (Fluorescent and LED only): Clear Lexan Full (FL).
				2. Lens (Fluorescent and LED only): Frosted Lexan Full (FLF).
				3. Full Face Lens Plate (Fluorescent and LED only): Clear Lexan Full (FFLP).
				4. Full Face Lens Plate (Fluorescent and LED only): Frosted Lexan Full (FFLPF).

\*\* NOTE TO SPECIFIER \*\* To eliminate a clear lamp image in Up light installations that may occur at certain viewing angles, use a White or Stepped reflector, OR standard reflector with Frosted Mini Lens.

* + - * 1. Reflector: Diffuse Silver (Standard).
				2. Reflector: Specular Silver (SP).
				3. Reflector: Stepped Diffuse Silver (ST).
				4. Reflector: Painted White (W).
				5. Louver: Diffuse Silver Parallel Blade (LV).
				6. Hospital: Hospital Grade (HG). Drywall fixtures only. (FFLP Lens; Gasket; Anti-Microbial Paint).

\*\* NOTE TO SPECIFIER \*\* Organized by size then lamp type. Delete fixture type and model not required.

* + - * 1. Type: Recessed for Drywall. AK Series as manufactured by ELP. Lengths are housing length without trim.

Size: 8-1/2 inches (216 mm) length models:

Model 160INWW-AK: (1) 60W T-10 Inc lamp max.

Model 113PLWW-AK: (1) 13W PL 4-pin lamp.

Model 118TTWW-AK: (1) 18W Triple Tube lamp.

Model 126QDWW-AK: (1) 26W Quad lamp.

Model 126TTWW-AK: (1) 26W Triple Tube lamp.

Model 132TTWW-AK: (1) 32W Triple Tube lamp.

Model 142TTWW-AK: (1) 42W Triple Tube lamp.

Size: 12 inches (305 mm) length models:

Model 111W1WW-AK: (1) 10.8W LED module.

Model 222W1WW-AK1: (2) 10.8W LED modules.

Model 157TTWW-AK: (1) 57W Triple Tube lamp.

Model 118BXWW-AK: (1) 18W Biax lamp.

Size: 14 inches (356 mm) length model:

Model 127BXWW-AK: (1) 27W Biax lamp.

Size: 18 inches (457 mm) length models:

Model 213PLWW-AK: (2) 13W PL 4-pin lamps.

Model 218TTWW-AK: (2) 18W Triple Tube lamps.

Model 226QDWW-AK: (2) 26W Quad lamps.

Model 226TTWW-AK: (2) 26W Triple Tube lamps.

Model 232TTWW-AK: (2) 32W Triple Tube lamps.

Model 242TTWW-AK: (2) 42W Triple Tube lamps.

Model 139BXWW-AK: (1) 39W Biax lamp.

Size: 22-15/16 inches (583 mm) length models:

Model 222W1WW-AK: (2) 10.8W LED module.

Model 444W1WW-AK2: (4) 10.8W LED module.

Model 140BXWW-AK: (1) 40W Biax lamp.

Model 150BXWW-AK: (1) 50W Biax lamp.

Model 155BXWW-AK: (1) 55W Biax lamp.

Model 114T5WW-AK: (1) 14W T-5 lamp.

Model 214T5WW-AK: (2) 14W T-5 lamps.

Model 124T5WW-AK: (1) 24W T-5 HO lamp.

Model 224T5WW-AK: (2) 24W T-5 HO lamps.

Size: 24 inches (610 mm) length models:

Model 117T8WW-AK: for (1) 17W T-8 lamp.

Model 217T8WW-AK: 10 inches (254 mm) wide, 5 inches (127 mm) height for (2) 17W T-8 lamps.

Size: 36 inches (914 mm) length models:

Model 239BXWW-AK: (2) 39W Biax lamps.

Model 121T5WW-AK: (1) 21W T-5 lamp.

Model 221T5WW-AK: (2) 21W T-5 lamps.

Model 139T5WW-AK: (1) 39W T-5 HO lamp.

Model 239T5WW-AK: (2) 39W T-5 HO lamps.

Model 125T8WW-AK: (1) 25W T-8 lamp.

Model 225T8WW-AK: 10 inches (254 mm) wide, 5 inches (127 mm) height for (2) 25W T-8 lamps.

Size: 46-15/16 inches (1192 mm) length models:

Model 444W1WW-AK: (4) 10.8W LED module.

Model 888W1WW-AK: (8) 10.8W LED module.

Model 240BXWW-AK: (2) 40W Biax lamps.

Model 250BXWW-AK: (2) 50W Biax lamps.

Model 255BXWW-AK: (2) 55W Biax lamps.

Model 128T5WW-AK: (1) 28W T-5 lamp.

Model 228T5WW-AK: (2) 28W T-5 lamps.

Model 154T5WW-AK: (1) 54W T-5 HO lamp.

Model 254T5WW-AK: (2) 54W T-5 HO lamps.

Size: 48 inches (1219 mm) length models:

Model 132T8WW-AK: (1) 32W T-8 lamp.

Model 232T8WW-AK: 10 inches (254 mm) wide, 5 inches (127 mm) height for (2) 32W T-8 lamps.

\*\* NOTE TO SPECIFIER \*\* CC indicates Continuous Ceiling row mount and CW indicates Continuous Wall row mount. Provide row configuration for nominal length of rows, i.e. (6) 12 foot rows (3.66 m). If continuous row is mixed and matched with the ELP Adjustable Accent (AA Series) fixtures, indicate order of fixtures, i.e. AK-AA-AK. For lengths of Trimless, Continuous row fixtures, longer than 20 inches (508 mm) refer to the AK Trimless dimensions. Delete if not required.

* + - * 1. Type: Recessed Continuous row in the wall or ceiling. AK-CC indicates Continuous Ceiling and AK-CW indicates Continuous Wall mount for Drywall installation as manufactured by ELP.

All AK Series Models being mounted in continuous rows, add CC for Ceiling mount and CW for Wall mount to model number and supply row configuration, i.e. (6) 12 foot rows (3.66 m). If continuous row is mixed and matched with the ELP Adjustable Accent (AA Series) fixtures, indicate order of fixtures, i.e. AK-AA-AK.

\*\* NOTE TO SPECIFIER \*\* TLD indicates a Trimless fixture for 5/8 inch (15.9 mm) Drywall installations. TLP indicates a Trimless fixture for 7/8 inch (22.2 mm) Plaster installations. Continuous row Trimless fixtures are indicated as TLD-CC or TLP-CC. Delete type and model not required.

* + - * 1. Type: Recessed Trimless for Drywall (TLD) or Plaster (TLP). AK Trimless Series as manufactured by ELP. Refer to Trimless catalog sheet for correct fixture lengths.

\*\* NOTE TO SPECIFIER \*\* Only T-8 lamp T-bar fixtures that are being mounted end to end in continuous rows must be indicated by adding CC and supplying row configuration, i.e. (3) 12 foot rows (3.66 m). No more than (5) Continuous T-8 lamp, T-bar fixtures per row unless coordinated with manufacturer. Organized by size then lamp type. Delete type and model not required.

* + - * 1. Type: T-Bar. AKTB Series as manufactured by ELP. Lengths are housing length without trim.

Size: 22-15/16 inches (583 mm) length models:

Model 222W1WW-AKTB: (2) 10.8W LED module.

Model 444W1WW-AKTB2: (4) 10.8W LED module.

Model 140BXWW-AKTB: (1) 40W Biax lamp

Model 150BXWW-AKTB: (1) 50W Biax lamp.

Model 155BXWW-AKTB: (1) 55W Biax lamp.

Model 114T5WW-AKTB: (1) 14W T-5 lamp.

Model 214T5WW-AKTB: (2) 14W T-5 lamps.

Model 124T5WW-AKTB: (1) 24W T-5 HO lamp.

Model 224T5WW-AKTB: (2) 24W T-5 HO lamps.

Size: 24 inches (610 mm) length models:

Model 117T-8WW-AKTB: 4-1/2 inch (114 mm) height for (1) 17W T-8 lamp.

Model 217T8WW-AKTB: 10 inches (254 mm) wide, 5 inches (127 mm) height for (2) 17W T-8 lamps.

Size: 46-15/16 inches (1192 mm) length models:

Model 444W1WW-AKTB: (4) 10.8W LED module.

Model 888W1WW-AKTB: (8) 10.8W LED module.

Model 240BXWW-AKTB: (2) 40W Biax lamps.

Model 250BXWW-AKTB: (2) 50W Biax lamps.

Model 255BXWW-AKTB: (2) 55W Biax lamps.

Model 128T5WW-AKTB: (1) 28W T-5 lamp.

Model 228T5WW-AKTB: (2) 28W T-5 lamps.

Model 154T5WW-AKTB: (1) 54W T-5 HO lamp.

Model 254T5WW-AKTB: (2) 54W T-5 HO lamps.

Size: 48 inches (1219 mm) length models:

Model 132T8WW-AKTB: 4-1/2 inch (114 mm) height for (1) 32W T-8 lamp.

Model 232T8WW-AKTB: 10 inches (254 mm) wide, 5 inches (127 mm) height for (2) 32W T-8 lamps.

\*\* NOTE TO SPECIFIER \*\* Ceiling recessed Display Lighting for close placement to the wall. Strong vertical throw of light allows the fixture to be placed closer to the wall than a typical wall wash unit. DO NOT use these fixtures if you can place your wall wash fixture the proper distance from the wall (30-36 inches, 762-914 mm, from the wall for 8 foot, 2.44 m, ceiling). These fixture are meant to be a "best solution possible" when you are forced to place fixtures closer to the wall than desirable. The narrow, 6 inch (152 mm) fixture is 5 inch (127 mm) height. Formed, high purity aluminum reflectors provide even, unscalloped illumination. Delete if not required.

* + - 1. Product: DW Series for Display Lighting for Drywall and Trimless and DWTB for T-Bar, as manufactured by ELP.
				1. Description: Narrow, 6 inch (152 mm) wide, recessed fluorescent wall washer. Strong vertical throw of light allows the fixture to be placed closer to the wall than a typical wall wash unit. DO NOT use these fixtures if you can place your wall wash fixture the proper distance from the wall (30-36 inches, 762-914 mm, from wall for 8 foot, 2.44 m, ceiling). These fixtures are meant to be a "best solution possible" when you are forced to place fixtures closer to the wall than desirable. Unit is 5 inches (127 mm) deep except when provided in continuous rows with the AAM Series, Adjustable Accent or the DL Series, Down Light it will be 6 inches (152 mm) deep. The one-piece, formed reflector is high-purity aluminum (99.9%) with 97% reflectance. Reflectors are easily removable without tools for access to the ballast and wiring. Design provides even unscalloped illumination with no glare and offers exceptional lamp shielding from the normal viewing angle. TGIC polyester powder coated, weld construction housing is made of 22 gauge (0.76 mm) CRS (20 gauge on request, 0.9 mm) with cover and knock-outs that provide quick wire access to side or back of fixture for through wiring. All fixtures are supplied standard with Luminaire Disconnect. Finish trim for Drywall fixtures is extruded aluminum. UL/CUL Damp Location listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Anti-Microbial White (MB).
				3. Finish: Custom (Custom) Provide RAL number or paint sample to match.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Power: 120 or 277 V. Refer to Fixture Schedule.
				2. Emergency Power: (Some models) (EPP). Refer to Fixture Schedule.
				3. Ballast: Electronic Ballast (Standard). Refer to Fixture Schedule.
				4. Ballast: Dimming Ballast (DM). Specify Type.
				5. Lens: Clear Lexan Mini Lens (ML).
				6. Lens: Frosted Lexan Mini Lens (MLF).

\*\* NOTE TO SPECIFIER \*\* Full Lens Option is not available for Continuous mount or Trimless units. Standard full lens is attached to the finish trim that wraps the housing edge. Full Face Lens Plate trim covers the entire face of the fixture with the lens only at the illuminated aperture. Delete options not required.

* + - * 1. Lens: Clear Lexan Full Lens (FL).
				2. Lens: Frosted Lexan Full Lens (FLF).
				3. Full Face Lens Plate: Clear Lexan Full (FFLP).
				4. Full Face Lens Plate: Frosted Lexan Full (FFLPF).
				5. Louver: Diffuse Silver Parallel Blade (LV). Refer to Fixture Schedule.
				6. Reflector: Diffuse Silver (Standard).
				7. Reflector: Specular Silver (SP).
				8. Reflector: Painted White (W).
				9. Hospital: Hospital Grade (HG): Drywall fixtures only. (FFLP Lens; Gasket; Anti-Microbial Paint).

\*\* NOTE TO SPECIFIER \*\* Organized by size then lamp type. Delete type not required.

* + - * 1. Type: Recessed for Drywall. DW Series as manufactured by ELP. Lengths are housing length without trim.

Size: 22-15/16 inches (583 mm) length models:

Model 140BXDW: (1) 40W Biax lamp.

Model 150BXDW: (1) 50W Biax lamp.

Model 155BXDW: (1) 55W Biax lamp.

Model 114T5DW: (1) 14W T-5 lamp.

Model 124T5DW: (1) 24W T-5 HO lamp.

Size: 24 inches (610 mm) length model:

Model 117T8DW: for (1) 17W T-8 lamp.

Size: 36 inches (914 mm) length models:

Model 121T5DW: (1) 21W T-5 lamp.

Model 139T5DW: (1) 39W T-5 HO lamp.

Model 125T8DW: (1) 25W T-8 lamp.

Size: 46-15/16 inches (1192 mm) length models:

Model 240BXDW: (2) 40W Biax lamps.

Model 250BXDW: (2) 50W Biax lamps.

Model 255BXDW: (2) 55W Biax lamps.

Model 128T5DW: (1) 28W T-5 lamp.

Model 154T5DW: (1) 54W T-5 HO lamp.

Size: 48 inches (1219 mm) length model:

Model 132T8DW: (1) 32W T-8 lamp.

\*\* NOTE TO SPECIFIER \*\* CC indicates Continuous Ceiling row mount. Provide row configuration for nominal length of rows, i.e. (6) 12 foot rows (3.66 m). For lengths of Trimless, Continuous row fixtures, refer to the DW Trimless dimensions. If continuous row is mixed and matched with the ELP Adjustable Accent (AAM Series) and or Down Light (DL Series) fixtures, they will be supplied with 6 inch (152 mm) deep housings. When mixed with other Series, in addition to row configuration, indicate order of fixtures, i.e. DW-AAM-DW. Delete if not required.

* + - * 1. Type: Recessed Continuous row for Drywall installation. DWCC Series as manufactured by ELP.

All DW Series Models being mounted in continuous rows, add CC to model number and supply nominal row configuration, i.e. (6) 12 foot rows (3.66 m). If continuous row is mixed and matched with the ELP Adjustable Accent (AAM Series) and/or Down Light (DL Series) fixtures, indicate order of fixtures, i.e. DW-AAM-DW.

\*\* NOTE TO SPECIFIER \*\* TLD indicates a Trimless fixture for 5/8 inch (15.9 mm) Drywall installations. TLP indicates a Trimless fixture for 7/8 inch (22.2 mm) Plaster installations. Continuous row Trimless fixtures are indicated as TLD-CC or TLP-CC. Delete type and model not required.

* + - * 1. Type: Recessed Trimless for Drywall (TLD) or Plaster (TLP). DW Trimless Series as manufactured by ELP. Refer to Trimless catalog sheet for correct fixture lengths.

\*\* NOTE TO SPECIFIER \*\* Only T-8 lamp T-bar fixtures that are being mounted end to end in continuous rows must be indicated by adding CC and supplying row configuration, i.e. (3) 12 foot rows (3.66 m). No more than (5) Continuous T-8 lamp, T-bar fixtures per row unless coordinated with manufacturer. Organized by size then lamp type. Delete type and model not required.

* + - * 1. Type: T-Bar. DW-TB Series as manufactured by ELP. Lengths are housing length without trim.

Size: 22-15/16 inches (583 mm) length models.

Model 140BXDW-TB: (1) 40W Biax lamp.

Model 150BXDW-TB: (1) 50W Biax lamp.

Model 155BXDW-TB: (1) 55W Biax lamp.

Model 114T5DW-TB: (1) 14W T-5 lamp.

Model 124T5DW-TB: (1) 24W T-5 HO lamp.

Size: 24 inches (610 mm) length model.

Model 117T-8DW-TB: (1) 17W T-8 lamp.

Size: 46-15/16 inches (1192 mm) length models.

Model 240BXDW-TB: (2) 40W Biax lamps.

Model 250BXDW-TB: (2) 50W Biax lamps.

Model 255BXDW-TB: (2) 55W Biax lamps.

Model 128T5DW-TB: (1) 28W T-5 lamp.

Model 154T5DW-TB: (1) 54W T-5 HO lamp.

Size: 48 inches (1219 mm) length model.

Model 132T8DW-TB: (1) 32W T-8 lamp.

\*\* NOTE TO SPECIFIER \*\* GRG (Glass fiber Reinforced Gypsum), Cast Fixtures. Luminaires may be installed in the Ceiling as Wall Washers or Wall Recessed to Light the Ceiling or Floor. Once installed the fixtures become one with the wall or ceiling surface and appear to be a custom formed drywall "light niche" that blends with any interior motif. Custom shapes and sizes available. Multi-trade installation, should be bid by framer, drywaller and electrician. Delete if not required.

* + - 1. Product: HITW Series, "Hole In The Wall" cast Light Niche for drywall installations, as manufactured by ELP.
				1. Description: Cast, GRG (Glass fiber Reinforced Gypsum), recessed fixtures for use with several compact fluorescent, incandescent, halogen and LED lamping options. Custom shapes and sizes available. Fixtures may be mounted in the ceiling or wall. Once installed the fixtures become one with the wall or ceiling surface and appear to be a custom formed drywall "light niche" that blends with any interior motif. The GRG, cast plaster portion, is made to butt 5/8 inch (15.9 mm) gypsum board construction and is painted with the finish surface. The casting houses an electrical box with integral electrical components including wiring, socket(s), reflector and ballast for fluorescent units. The shallow 3-1/2 inches (89 mm) drywall fixtures may be recessed into a standard 4 inch (102 mm) wall to wash the ceiling or floor with light. By lining the "wall recess" with gypsum, the wall installation may also be modified for a fire rated installation.
				2. The metal, weld construction "fixture insert" is 20 gauge (0.9 mm) CRS that is post painted with TGIC polyester powder coating, with cover and knock-outs for wiring. All fluorescent and LED units are supplied standard with Luminaire Disconnect. All fixtures are UL/CUL or c/CSA/us Damp Location Listed.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Casting Finish: Raw Casting must be painted in the field with Wall/Ceiling Finish.
				2. Insert Finish: White (Standard).
				3. Insert Finish: Anti-Microbial White (MB).
				4. Insert Material: Non-Ferrous Metal for MRI spaces, includes Anti-Microbial paint (Halogen & Incandescent Models Only) (MRI).
				5. Power: 120 or 277 V. Refer to Fixture Schedule.
				6. Ballast: Electronic Ballast (Standard Fluorescent).
				7. Ballast: Dimming Ballast (Some Fluorescent models) (DM).
				8. Driver: Electronic LED Driver. (Specify Voltage).
				9. Driver: Dimming LED Driver (Some Models). (Specify Voltage).
				10. LED Color Temperature: 2 and 4W LED Strips only. 3000K (Standard).
				11. LED Color Temperature: 2 and 4W LED Strips only. 2700K (27K).
				12. LED Color Temperature: 2 and 4W LED Strips only. 3500K (35K).
				13. LED Color Temperature: 2 and 4W LED Strips only. 4000K (40K).
				14. Lens: Clear Lexan (Some Fluorescent) (ML).
				15. Lens: Frosted Lexan (Some Fluorescent) (MLF).
				16. Lens: Clear Tempered Glass (ML-TGL).
				17. Lens: Frosted Tempered Glass (ML-TGLF).
				18. Louver: Honeycomb, Silver (LVS).
				19. Louver: Honeycomb, Black (LVB).
				20. Hospital: Hospital Grade (HG) (Lens; Gasket; Anti-Microbial Paint).

\*\* NOTE TO SPECIFIER \*\* Organized by casting size then lamp type. Delete fixture and model not required.

* + - * 1. Casting Size: 12 inches by 8-5/8 inches (305 mm by 219 mm) with 4 inches by 5-5/8 inches (102 mm by 143 mm) aperture opening.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Frosted Tempered Glass lens. Clear lens may be substituted. Delete fixture and model not required.

Model 125HAL-HITW-4x6: (1) 25W T-4 Halogen, G-9 lamp max.

Model 110IN-HITW-4x6: (1) 10W C7 Nightlight, Candelabra max.

\*\* NOTE TO SPECIFIER \*\* Delete fixture and model not required.

Casting Size: 12 inches by 12 inches (305 mm by 305 mm) with 4 inches by 9 inches (102 mm by 229 mm) aperture opening.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Clear Tempered Glass lens. Frosted lens may be substituted. Delete fixture and model not required.

Model 125IN-HITW-4x9: (1) 25W T-8 Inc., DC Bayonet lamp max.

Model 140HAL-HITW-4x9: (1) 40W T-4 Halogen, G-9 lamp max.

\*\* NOTE TO SPECIFIER \*\* The following three fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. Delete fixture and model not required.

Model 105PL-HITW-4x9: (1) 5W PL 4-Pin lamp.

Model 107PL-HITW-4x9: (1) 7W PL 4-Pin lamp.

Model 109PL-HITW-4x9: (1) 9W PL 4-Pin lamp.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Frosted Tempered Glass lens. Clear lens may be substituted. Delete fixture and model not required.

Model 36W1-HITW-4x9: (3) 2W LED Strips, White, 1 Circuit.

Model 312W1-HITW-4x9: (3) 4W LED Strips, White, 1 Circuit.

\*\* NOTE TO SPECIFIER \*\* Delete fixture and model not required.

* + - * 1. Casting Size: 16-1/4 inches by 16-1/4 inches (413 mm by 413 mm) with 8 inches by 8 inches (203 mm by 203 mm) aperture opening.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Clear Tempered Glass lens. Frosted lens may be substituted. The Triple Tube lamp fixture may be ordered with dimming ballast with special installation. Delete fixture and model not required.

Model 140HAL-HITW-8x8: (1) 40W T-4 Halogen, G-9 lamp max.

Model 126TT-HITW-8x8: (1) 26W Triple Tube lamp. Dimming ballast requires modified installation. Contact factory for detail.

\*\* NOTE TO SPECIFIER \*\* The following fixture is supplied standard with Clear Lexan lens. Frosted lens may be substituted. Fixture may be ordered with dimming ballast with special installation. Delete fixture and model not required.

Model 118TT-HITW-8x8: (1) 18W Triple Tube lamp. Dimming ballast requires modified installation. Contact factory for detail.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Frosted Tempered Glass lens. Clear lens may be substituted. Delete fixture and model not required.

Model 36W1-HITW-8x8: (3) 2W LED Strips, White, 1 Circuit.

Model 312W1-HITW-8x8: (3) 4W LED Strips, White, 1 Circuit.

\*\* NOTE TO SPECIFIER \*\* Delete fixture and model not required.

* + - * 1. Casting Size: 16-1/4 inches by 16-1/4 inches (413 mm by 413 mm) with 6 inches by 13 inches (152 mm by 330 mm) aperture opening.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Tempered Glass lens. Frosted lens may be substituted. These Quad and Triple Tube lamp fixtures may be ordered with dimming ballast. Delete fixture and model not required.

Model 160IN-HITW-6x13: (1) 60W T-10 Inc., Medium Screw max.

Model 126QD-HITW-6x13: (1) 26W Quad lamp.

Model 132TT-HITW-6x13: (1) 32W Triple Tube lamp.

Model 142TT-HITW-6x13: (1) 42W Triple Tube lamp.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. The Quad lamp fixture may be ordered with dimming ballast. Delete fixture and model not required.

Model 113PL-HITW-6x13: (1) 13W PL 4-pin lamp.

Model 118QD-HITW-6x13: (1) 18W Quad lamp.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Frosted Tempered Glass lens. Clear lens may be substituted. Delete fixture and model not required.

Model 36W1-HITW-6x13: (3 2W LED Strips, White, 1 Circuit.

Model 312W1-HITW-6x13: (3) 4W LED Strips, White, 1 Circuit.

\*\* NOTE TO SPECIFIER \*\* Delete fixture and model not required.

* + - * 1. Casting Size: 28 inches by 21 inches (711 mm by 533 mm) with 18 inches by 18 inches (457 mm by 457 mm) aperture openings.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Tempered Glass lens. Frosted lens may be substituted. These Quad and Triple Tube lamp fixtures may be ordered with dimming ballast. Delete fixture and model not required.

Model 160IN-HITW-18x18: (1) 60W T-10 Inc., Medium Screw max.

Model 126QD-HITW-18x18: (1) 26W Quad lamp.

Model 132TT-HITW-18x18: (1) 32W Triple Tube lamp.

Model 142TT-HITW-18x18: (1) 42W Triple Tube lamp.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. The Quad lamp fixture may be ordered with dimming ballast. Delete fixture and model not required.

Model 113PL-HITW-18x18: (1) 13W PL 4-pin lamp.

Model 118QD-HITW-18x18: (1) 18W Quad lamp.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Frosted Tempered Glass lens. Clear lens may be substituted. Delete fixture and model not required.

Model 36W1-HITW-18x18: (3) 2W LED Strips, White, 1 Circuit.

Model 312W1-HITW-18x18: (3) 4W LED Strips, White, 1 Circuit.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. These fixtures may be ordered with dimming ballast. Delete fixture and model not required.

* + - * 1. Casting Size: 18 inches by 32 inches (457 mm by 813 mm) with 8 inches by 29 inches (203 mm by 737 mm) aperture openings.

Model 140BX-HITW-8x29: (1) 40W Biax lamp.

Model 150BX-HITW-8x29: (1) 50W Biax lamp.

Model 155BX-HITW-8x29: (1) 55W Biax lamp.

Model 114T-5-HITW-8x29: (1) 14W T-5 lamp.

Model 124T-5-HITW-8x29: (1) 24W T-5HO lamp.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. These fixtures may be ordered with dimming ballast. Delete fixture and model not required.

* + - * 1. Casting Size: 18 inches by 58 inches (457 mm by 1473 mm) with 8 inches by 54 inches (203 mm by 1372 mm) aperture openings.

Model 240BX-HITW-8x54: (2) 40W Biax lamp.

Model 250BX-HITW-8x54: (2) 50W Biax lamp.

Model 255BX-HITW-8x54: (2) 55W Biax lamp.

Model 128T5-HITW-8x54: (1) 28W T-5 lamp.

Model 154T5-HITW-8x54: (1) 54W T-5 HO lamp.

Model 132T8-HITW-8x54: (1) 32W T-8 lamp.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. These fixtures may be ordered with dimming ballast. Delete fixture and model not required.

* + - * 1. Casting Size: 28 inches by 64 inches (711 mm by 1626 mm) with 9-1/2 inches by 53 inch round bottom (241 mm by 1346 mm) aperture opening.

Model 140BX-HITW-9x53R: (1) 40W Biax lamp.

Model 150BX-HITW-9x53R: (1) 50W Biax lamp.

Model 155BX-HITW-9x53R: (1) 55W Biax lamp.

Model 114T-5-HITW-9x53R: (1) 14W T-5 lamp.

Model 124T-5-HITW-9x53R: (1) 24W T-5HO lamp.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. These fixtures may be ordered with dimming ballast. Delete fixture and model not required.

* + - * 1. Casting Size: 14 inches by 58 inches (356 mm by 1473 mm) with 6 inches by 54 inches (152 mm by 1372 mm) aperture openings.

Model 240BX-HITW-6x54: (2) 40W Biax lamp.

Model 250BX-HITW-6x54: (2) 50W Biax lamp.

Model 255BX-HITW-6x54: (2) 55W Biax lamp.

Model 128T5-HITW-6x54: (1) 28W T-5 lamp.

Model 154T5-HITW-6x54: (1) 54W T-5 HO lamp.

Model 132T8-HITW-6x54: (1) 32W T-8 lamp.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Frosted Tempered Glass lens. Clear lens may be substituted. The Triple Tube lamp fixtures may be ordered with dimming ballast with modified installation. Delete fixture and model not required.

* + - * 1. Casting Size: 20-1/2 inches by 16-1/4 inches (521 mm by 413 mm) with 12 inches by 8 inch round top (305 mm by 203 mm) aperture opening.

Model 140HAL-HITW-12x8R: (1) 40W T-4 Halogen, G-9 lamp max.

Model 118TT-HITW-12x8R: (1) 18W Triple Tube lamp. Dimming ballast requires modified installation. Contact factory for detail.

Model 126TT-HITW-12x8R: (1) 26W Triple Tube lamp. Dimming ballast requires modified installation. Contact factory for detail.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Frosted Tempered Glass lens. Clear lens may be substituted. Delete fixture and model not required.

Model 36W1-HITW-12x8R: (3) 2W LED Strips, White, 1 Circuit.

Model 312W1-HITW-12x8R: (3) 4W LED Strips, White, 1 Circuit.

\*\* NOTE TO SPECIFIER \*\* Delete fixture and model not required.

* + - * 1. Casting Size: 28-1/4 inches by 16-1/4 inches (718 mm by 413 mm) with 18 inches by 13 inches (457 mm by 330 mm) aperture opening.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Tempered Glass lens. Frosted lens may be substituted. The Quad and Triple Tube lamp fixtures may be ordered with dimming. Delete fixture and model not required.

Model 160IN-HITW-18x13: (1) 60W T-10 Inc., Medium Screw max.

Model 126QD-HITW-18x13: (1) 26W Quad lamp.

Model 132TT-HITW-18x13: (1) 32W Triple Tube lamp.

Model 142TT-HITW-18x13: (1) 42W Triple Tube lamp.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. The Quad lamp fixture may be ordered with dimming ballast. Delete fixture and model not required.

Model 113PL-HITW-18x13: (1) 13W PL 4-pin lamp.

Model 118QD-HITW-18x13: (1) 18W Quad lamp.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Frosted Tempered Glass lens. Clear lens may be substituted. Delete fixture and model not required.

Model 36W1-HITW-18x13: (3) 2W LED Strips, White, 1 Circuit.

Model 312W1-HITW-18x13: (3) 4W LED Strips, White, 1 Circuit.

\*\* NOTE TO SPECIFIER \*\* Delete fixture and model not required.

* + - * 1. Casting Size: 34-1/2 inches by 28 inches (876 mm by 711 mm) with 24-1/2 inches by 24-1/2 inches (622 mm by 622 mm) aperture opening.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. These fixtures may be ordered with dimming ballast. Delete fixture and model not required.

Model 140BX-HITW-24x24: (1) 40W Biax lamp.

Model 150BX-HITW-24x24: (1) 50W Biax lamp.

Model 155BX-HITW-24x24: (1) 55W Biax lamp.

Model 114T-5-HITW-24x24: (1) 14W T-5 lamp.

Model 124T-5-HITW-24x24: (1) 24W T-5 lamp.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Tempered Glass lens. Frosted lens may be substituted. Delete fixture and model not required.

* + - * 1. Casting Size: 36 inches by 10 inches (914 mm by 254 mm) with 18 inches by 5-5/8 inches (457 mm by 143 mm) aperture opening. The 25 watt T-4 model may only be mounted in the wall as an indirect uplight.

Model 125HAL-HITW-18x6: (1) 25W T-4 Halogen, G-9 lamp.

Model 120MR16-HITW-18x6: (1) 20W MR-16, 12V Halogen.

\*\* NOTE TO SPECIFIER \*\* Delete fixture and model not required.

* + - * 1. Casting Size: 46 inches by 16-1/4 inches (1168 mm by 413 mm) with 18 inches by 13 inches (914 mm by 330 mm) aperture opening.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Tempered Glass lens. Frosted lens may be substituted. The Quad and Triple Tube lamp fixtures may be ordered with dimming. Delete fixture and model not required.

Model 160IN-HITW-36x13: (1) 60W T-10 Inc., Medium Screw max.

Model 126QD-HITW-36x13: (1) 26W Quad lamp.

Model 132TT-HITW-36x13: (1) 32W Triple Tube lamp.

Model 142TT-HITW-36x13: (1) 42W Triple Tube lamp.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. The Quad lamp fixture may be ordered with dimming ballast. Delete fixture and model not required.

Model 113PL-HITW-36x13: (1) 13W PL 4-pin lamp.

Model 118QD-HITW-36x13: (1) 18W Quad lamp.

\*\* NOTE TO SPECIFIER \*\* The following two fixtures are supplied standard with Frosted Tempered Glass lens. Clear lens may be substituted. Delete fixture and model not required.

Model 36W1-HITW-36x13: (3) 2W LED Strips, White, 1 Circuit.

Model 312W1-HITW-36x13: (3) 4W LED Strips, White, 1 Circuit.

\*\* NOTE TO SPECIFIER \*\* The following fixtures are supplied standard with Clear Lexan lens. Frosted lens may be substituted. These fixtures may be ordered with dimming ballast. Delete fixture and model not required.

* + - * 1. Casting Size: 34-1/2 inches by 28 inches (876 mm by 711 mm) with 24-1/2 inches by 24-1/2 inches (622 mm by 622 mm) aperture opening.

Model 140BX-HITW-24x24: (1) 40W Biax lamp.

Model 150BX-HITW-24x24: (1) 50W Biax lamp.

Model 155BX-HITW-24x24: (1) 55W Biax lamp.

Model 114T-5-HITW-24x24: (1) 14W T-5 lamp.

Model 124T-5-HITW-24x24: (1) 24W T-5 lamp.

\*\* NOTE TO SPECIFIER \*\* Ceiling Recessed indirect fixture with asymmetric wash of light to provide vertical illumination in difficult applications such as mirrored surfaces and video conference key speaker where a shielded lamp is critical. The formed reflector provides even, unscalloped illumination with no glare. Delete if not required.

* + - 1. Product: IW Series for Drywall and Trimless installation and IWTB for T-bar, as manufactured by ELP.
				1. Description: Ceiling Recessed indirect fixture with asymmetric wash of light to provide vertical illumination. Weld construction housing is 10 inches wide by 5 inches deep (254 mm by 127 mm). The formed reflector combines white diffuse with high-purity aluminum (99.9%) reflector material with 97% reflectance. Easily removable without tools for access to the ballast/driver and wiring. Fixture design shall provide complete lamp shielding from all angles with no direct glare. The TGIC polyester powder-coated housing is made of 22 gauge (0.76 mm) CRS (20 gauge on request, 0.9 mm) with cover and knock-outs that provide quick wire access to the side or back of the fixture for through wiring. Fluorescent and LED fixtures are supplied standard with Luminaire Disconnect. Finish trim for drywall fixtures is extruded aluminum. UL/CUL and CE Damp Location listed. LED units are c/CSA/us listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Anti-Microbial White (MB).
				3. Finish: Custom (Custom) Provide RAL number or paint sample to match.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Power: 120 or 277. Refer to Fixture Schedule.
				2. Ballast: HPF Electronic (Standard).
				3. Ballast: Dimming (Some Models) (DM) Specify type.
				4. Driver for LED: Dimming standard with Osram OT, 0-10 volt, available options are Lutron 3-wire/digital and Lutron 2-wire (120v Only).
				5. Emergency: (Some Models) (EPP).
				6. LED Color: 3500K (Standard).
				7. LED Color: 3000K (30K).
				8. LED Color: 4000K (40K).
				9. Reflector: Combo White/Diffuse (Standard).
				10. Reflector: White (W)

\*\* NOTE TO SPECIFIER \*\* Full Lens Option is not available for Continuous mount or Trimless units. Full Face Lens Plate trim covers the entire face of the fixture with the lens only at the illuminated aperture. Delete options not required.

* + - * 1. Full Face Lens Plate: Clear Lexan Full (FFLP).
				2. Full Face Lens Plate: Frosted Lexan Full (FFLPF).
				3. Louver: Diffuse Silver Parallel Blade (LV).
				4. Hospital: Hospital Grade (Drywall only): Full Face Lens Plate; Gasket; Anti-Microbial Paint (HG).

\*\* NOTE TO SPECIFIER \*\* Organized by size then lamp type. Delete fixture type and model not required.

* + - * 1. Type: Recessed for Drywall. IW Series as manufactured by ELP. Lengths are housing length without trim.

Size: 22-15/16 inches (583 mm) length models.

Model 222W1IW: (2) 10.8W LED modules.

Model 140BXIW: (1) 40W Biax lamp.

Model 150BXIW: (1) 50W Biax lamp.

Model 155BXIW: (1) 55W Biax lamp.

Model 114T-5IW: (1) 14W T-5 lamp.

Model 124T-5IW: (1) 24W T-5 HO lamp.

Size: 46-15/16 inches (1192 mm) length models.

Model 444W1IW: (4) 10.8W LED moduleS.

Model 240BXIW: (2) 40W Biax lamps.

Model 250BXIW: (2) 50W Biax lamps.

Model 255BXIW: (2) 55W Biax lamps.

Model 128T-5IW: (1) 28W T-5 lamp.

Model 154T-5IW: (1) 54W T-5 HO lamp.

\*\* NOTE TO SPECIFIER \*\* CC indicates Continuous Ceiling row mount. Provide row configuration for nominal length of rows, i.e. (6) 12 foot rows (3.66 m). Delete if not required.

* + - * 1. Type: Recessed Continuous row for Drywall installation. IWCC Series as manufactured by ELP.

All IW Series Models being mounted in continuous rows, add CC to model number and supply nominal row configuration, i.e. (6) 12 foot rows (3.66 m).

\*\* NOTE TO SPECIFIER \*\* TLD indicates a Trimless fixture for 5/8 inch (15.9 mm) Drywall installations. TLP indicates a Trimless fixture for 7/8 inch (22.2 mm) Plaster installations. Continuous row Trimless fixtures are indicated as TLD-CC or TLP-CC. Delete type and model not required.

Type: Recessed Trimless for Drywall (TLD) or Plaster (TLP). IW Trimless Series as manufactured by ELP. Refer to Trimless catalog sheet for correct fixture lengths.

\*\* NOTE TO SPECIFIER \*\* Organized by size then lamp type. Delete type and model not required.

* + - * 1. Type: T-Bar. IW-TB Series as manufactured by ELP. Lengths are housing length without trim.

Size: 22-15/16 inches (583 mm) length models.

Model 222W1IW-TB: (2) 10.8W LED module.

Model 140BXIW-TB: (1) 40W Biax lamp.

Model 150BXIW-TB: (1) 50W Biax lamp.

Model 155BXIW-TB: (1) 55W Biax lamp.

Model 114T5IW-TB: (1) 14W T-5 lamp.

Model 124T5IW-TB: (1) 24W T-5 HO lamp.

Size: 46-15/16 inches (1192 mm) length models.

Model 444W1IW-TB: (4) 10.8W LED module.

Model 240BXIW-TB: (2) 40W Biax lamps.

Model 250BXIW-TB: (2) 50W Biax lamps.

Model 255BXIW-TB: (2) 55W Biax lamps.

Model 128T5IW-TB: (1) 28W T-5 lamp.

Model 154T5IW-TB: (1) 54W T-5 HO lamp.

\*\* NOTE TO SPECIFIER \*\* Small, Trimless, Wall Recessed corridor/step light fixture with asymmetric wash of light. The shallow 2-7/8 inches (73 mm) design allows wall installation in a standard 4 inches (102 mm) wall to wash the floor with light. Trimless design allows the wall finish to end right at the lighted opening. The formed reflector provides even illumination with no glare. Delete if not required.

* + - 1. Product: LS Series for Trimless and Drywall installation, as manufactured by ELP.
				1. Description: Small, trimless, corridor/steplight fixture with asymmetric wash of light to provide floor illumination. The shallow 2-7/8 inch (73 mm) fixture may be recessed into a standard 4 inch (102 mm) wall to wash the ceiling or floor with light. By lining the "wall recess" with gypsum, the wall installation may also be modified for a fire rated installation. The formed reflector is high-purity aluminum (99.9%) reflector material with 97% reflectance. It is easily removable for access to the driver and wiring. Fixture design provides complete lamp shielding from all angles with no direct glare. Weld construction housing is 3 by 5 inches (76 by 127 mm) and post painted with TGIC polyester powder coat. It is made of 22 gauge (0.76 mm) CRS (20 gauge on request, 0.9 mm) with knock-outs on the side of the fixture. c/CSA/us Damp Location listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Anti-Microbial White (MB).

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Driver: 120 or 277 volt LED Driver.
				2. Dim: (DM), specify Lutron 3-wire/digital or Lutron 2-wire (120v Only). Note larger housing size, but installed fixture, looks the same as the non-dim fixture.
				3. Reflector: Diffuse Silver 97 (Standard).
				4. Reflector: White (W).
				5. LED Color Temperature: 3000K (Standard).
				6. LED Color Temperature: 2700K (27K).
				7. LED Color Temperature: 3500K (35K).
				8. LED Color Temperature: 4000K (40K).
				9. Lens/Trim: Trimless Design, Clear Lexan Lens (Standard).
				10. Lens/Trim: Trimless Design, Amber Lexan Lens (FLA).
				11. Lens/Trim: Trimless Design, Frosted Lexan Lens (FLF).
				12. Lens/Trim: Full Face Trim, Clear Lexan Lens (FFLP)
				13. Lens/Trim: Full Face Trim, Amber Lexan Lens (FFLPA).
				14. Lens/Trim: Full Face Trim, Frosted Lexan Lens (FFLPF).
				15. Hospital: Hospital Grade (with Full Face Trim only): Full Lens; Gasket; Anti-Microbial Paint (HG).

\*\* NOTE TO SPECIFIER \*\* Trimless style, organized by LED type. Lens trims may be added to these models. Delete fixture type and model not required.

* + - * 1. Type: Trimless, Recessed for Drywall. LS Series with Clear Lens as manufactured by Engineered Lighting Products.

Model 12W1LS: (1) LED Strip, 2W, White, 1 Circuit.

Model 14W1LS: (1) LED Strip, 4W, White, 1 Circuit.

Model 12W1LS-BBM: (1) LED Strip, 2W, White, 1 Circuit, Back to Back Master.

Model 12W1LS-BBS: (1) LED Strip, 2W, White, 1 Circuit, Back to Back Satellite.

Model 14W1LS-BBM: (1) LED Strip, 4W, White, 1 Circuit, Back to Back Master.

Model 14W1LS-BBS: (1) LED Strip, 4W, White, 1 Circuit, Back to Back Satellite.

\*\* NOTE TO SPECIFIER \*\* Ceiling recessed to Light the Wall and Wall recessed to light the Ceiling or Floor. Compact wall wash fixtures with exceptional lamp shielding from the normal viewing angle. The shallow 3-1/2 inches (89 mm) design also allows wall installation in a standard 4 inches (102 mm) wall to wash the ceiling or floor with light. Formed, high purity aluminum reflectors provide even, unscalloped illumination. Delete if not required.

* + - 1. Product: MINI Series for Drywall and Trimless installations which may also be used for T-bar, as manufactured by ELP.
				1. Description: Small, recessed fluorescent wall washer is 7-1/2 inches (191 mm) square. Fluorescent fixture is 3-1/2 inches (89 mm) deep (4-13/16 inches, 122 mm for Halogen) with ballast mounted within the housing. The shallow 3-1/2 inches (89 mm) fixture may be recessed into a standard 4 inches (102 mm) wall to wash the ceiling or floor with light. By lining the "wall recess" with gypsum, the wall installation may also be modified for a fire rated installation. The one piece, formed reflector is high purity aluminum (99.9%) with 95% reflectance. It is easily removable without any tools for access to the ballast and wiring. Reflector design provides even unscalloped illumination with complete lamp shielding even when viewed directly beneath the fixture. TGIC polyester powder coated, weld construction housing is made of 22 gauge (0.76 mm) CRS (20 gauge on request, 0.9 mm) with knock-outs for through wiring. All fluorescent fixtures are supplied standard with Luminaire Disconnect. Finish trim for drywall fixtures is extruded aluminum. UL/CUL Damp Location listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Anti-Microbial White (MB).
				3. Finish: Custom (Custom) Provide RAL number or paint sample to match.

\*\* NOTE TO SPECIFIER \*\* Refer to manufacturer's literature for options available by fixture type. Delete options not required.

* + - * 1. Power: 120 or 277. Refer to Fixture Schedule.
				2. Ballast: 120 HPF Electronic (Standard).
				3. Ballast: 277 HPF Electronic (Some Models).

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Reflector: Diffuser Silver (Standard).
				2. Reflector: Specular Silver (SP).
				3. Reflector: Stepped Diffuser Silver (ST).
				4. Reflector: White (W).

\*\* NOTE TO SPECIFIER \*\* To eliminate a clear lamp image in Up light installations that may occur at certain viewing angles, use a White or Stepped reflector, OR standard reflector with Frosted Mini Lens. Full Lens Option is not available for Trimless units. Delete options not required.

* + - * 1. Lens (Fluorescent): Clear Lexan Mini Lens (ML)
				2. m.Lens (Fluorescent): Frosted Lexan Mini Lens (MLF).
				3. n.Lens (Fluorescent): Clear Lexan Full Lens (FL).
				4. o.Lens (Fluorescent): Frosted Lexan Full Lens (FLF).
				5. p.Lens (Fluorescent): Clear Lexan Full Lens Face Plate (FFLP).
				6. p.Lens (Fluorescent): Frosted Lexan Full Lens Face Plate (FFLPF).
				7. r.Louver: Diffuse Silver Parallel Blade (LV).
				8. s.Hospital: Hospital Grade (HG). Drywall Fixtures only. (Full Lens Face Plate; Gasket; Anti-Microbial Paint).

\*\* NOTE TO SPECIFIER \*\* Organized by size then lamp type. Delete fixture type and model not required.

* + - * 1. t.Type: Recessed for Drywall. Mini Series as manufactured by ELP. Lengths are housing length without trim.

Size: 3-1/2 inch (89 mm) deep models.

Model 107 PLWW-Mini: (1) 7W PL 4-pin lamp.

Model 109 PLWW-Mini: (1) 9W PL 4-pin lamp.

Model 113QDWW-Mini: (1) 13W Quad lamp.

Model 118QDWW-Mini: (1) 18W Quad lamp.

Model 118TTWW-Mini: (1) 18W Triple Tube lamp.

Model 126TTWW-Mini: (1) 26W Triple Tube lamp.

Model 132TTWW-Mini: (1) 32W Triple Tube lamp.

Model 142TTWW-Mini: (1) 42W Triple Tube lamp.

Size: 4-13/16 inch (122 mm) deep model.

Model 175 HALWW-Mini: (1) 75W T-10 Medium Base Halogen.

\*\* NOTE TO SPECIFIER \*\* TLD indicates a Trimless fixture for 5/8 inch (15.9 mm) Drywall installations. TLP indicates a Trimless fixture for 7/8 inch (22.2 mm) Plaster installations. Delete type and model not required.

Type: Recessed Trimless for Drywall (TLD) or Plaster (TLP). Mini Trimless Series as manufactured by ELP. Refer to Trimless catalog sheet for correct fixture lengths.

\*\* NOTE TO SPECIFIER \*\* Ceiling recessed to Light the Wall and Wall recessed to light the Ceiling or Floor. High-performance wall wash fixtures with exceptional lamp shielding from the normal viewing angle. The shallow design also allows wall installation in a standard 4 inches (102 mm) wall to wash the ceiling or floor with light. Single lamp fixtures are 2-1/2 inches (64 mm) deep and two lamp fixtures are 3 inches (76 mm) deep. Formed, high purity aluminum reflectors provide even, unscalloped illumination. Delete if not required.

* + - 1. Product: MP Series for Drywall and Trimless installation and MPTB for T-bar as manufactured by ELP.
				1. Description: Small, recessed linear wall wash fixture is 6 inches (152 mm) wide. The shallow 2-1/2 inches (64 mm) or 3 inches (76 mm) fixture may be recessed into a standard 4 inches (102 mm) wall to wash the ceiling or floor with light. By lining the "wall recess" with gypsum, the wall installation may also be modified for a fire rated installation. When units are provided in continuous rows with the AAM Series, Adjustable Accent or the DL Series, Down Light it will be 6 inches (152 mm) deep. Fixtures with a two lamp cross section have a one-piece, formed reflector that is high-purity aluminum (99.9%) with 97% reflectance. Fixtures with one lamp, combine white diffuse with the high purity aluminum reflector material. Reflectors are easily removable without tools for access to the ballast and wiring. Reflector design provides even unscalloped illumination with complete lamp shielding even when viewed directly beneath the fixture. TGIC polyester powder coated, weld construction housing is made of 22 gauge (0.76 mm) CRS (20 gauge on request, 0.9 mm) with knock-outs for through wiring. Fluorescent fixtures are supplied standard with Luminaire Disconnect. Finish trim for Drywall fixtures is extruded aluminum. UL/CUL Damp Location listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Anti-Microbial White (MB).
				3. Finish: Custom (Custom) Provide RAL number or paint sample to match.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Power: 120 or 277 V. Refer to Fixture Schedule.
				2. Ballast: Electronic Ballast (Standard).
				3. Ballast: Dimming Ballast (Some models) (DM).
				4. Emergency: Emergency Ballast (Some models) (EPP).

\*\* NOTE TO SPECIFIER \*\* Full Lens Option is not available for Continuous mount or Trimless units. Delete options not required.

* + - * 1. Lens: Clear Lexan Mini (ML).
				2. Lens: Frosted Lexan Mini (MLF).
				3. Lens: Clear Lexan Full (FL).
				4. Lens: Frosted Lexan Full (FLF)
				5. Full Face Lens Plate: Clear Lexan Full (FFLP).
				6. Full Face Lens Plate: Frosted Lexan Full (FFLPF).

\*\* NOTE TO SPECIFIER \*\* To eliminate a clear lamp image in Up light installations that may occur at certain viewing angles, use a White or Stepped reflector, OR standard reflector with Frosted Mini Lens.

* + - * 1. Reflector: Diffuse Silver (Standard for One lamp cross section fixtures).
				2. Reflector: Combo White/Diffuse (Standard for Two lamp cross section fixtures).
				3. Reflector: Specular Silver (SP).
				4. Reflector: Painted White (W).
				5. Louver: Diffuse Silver Parallel Blade (LV).
				6. Hospital: Hospital Grade (HG). Drywall fixtures only. (Full Lens Face Plate; Gasket; Anti-Microbial Paint).

\*\* NOTE TO SPECIFIER \*\* Organized by size then lamp type. Delete fixture type and model not required.

* + - * 1. Type: Recessed for Drywall. MP Series as manufactured by ELP. Lengths are housing length without trim.

Size: 22-1/2 inch (572 mm) length models.

Model 114T-5WW-MP: 2-1/2 inch (64 mm) deep, (1) 14W T-5.

Model 124T-5WW-MP: 2-1/2 inch (64 mm) deep, (1) 24W T-5 HO.

Model 214T-5WW-MP: 3 inch (76 mm) deep, (2) 14W T-5.

Model 224T-5WW-MP: 3 inch (76 mm) deep, (2) 24W T-5HO.

Size: 34-5/16 inch (872 mm) length models.

Model 121T-5WW-MP: 2-1/2 inch (64 mm) deep, (1) 21W T-5.

Model 139T-5WW-MP: 2-1/2 inch (64 mm) deep, (1) 39W T-5 HO.

Model 221T-5WW-MP: 3 inch (76 mm) deep, (2) 21W T-5.

Model 239T-5WW-MP: 3 inch (76 mm) deep, (2) 39W T-5 HO.

Size: 46-1/8 inch (1172 mm) length models.

Model 128T-5WW-MP: 2-1/2 inch (64 mm) deep, (1) 28W T-5.

Model 154T-5WW-MP: 2-1/2 inch (64 mm) deep, (1) 54W T-5 HO.

Model 228T-5WW-MP: 3 inch (76 mm) deep, (2) 28W T-5.

Model 254T-5WW-MP: 3 inch (76 mm) deep, (2) 54W T-5 HO.

\*\* NOTE TO SPECIFIER \*\* CC indicates Continuous Ceiling row mount and CW indicates Continuous Wall row mount. Provide row configuration for nominal length of rows, i.e. (6) 12 foot rows (3.66 m). If continuous row is mixed and matched with the ELP Adjustable Accent (AAM Series) and/or Down Light (DL Series) fixtures, they will be supplied with 6 inch (152 mm) deep housings. When mixed with other Series, in addition to row configuration, indicate order of fixtures, i.e. MP-AAM-MP. Delete fixture type and model not required.

* + - * 1. Type: Recessed Continuous row in the wall or ceiling . MP-CC indicates Continuous Ceiling and MP-CW indicates Continuous Wall mount for Drywall installation as manufactured by ELP.

All MP Series Models being mounted in continuous rows, add CC for Ceiling mount and CW for Wall mount to model number and supply nominal row configuration, i.e. (6) 12 foot rows (3.66 m). If continuous row is mixed and matched with the ELP Adjustable Accent (AAM Series) and/or Down Light (DL Series) fixtures, indicate order of fixtures, i.e. MP-AAM-MP.

\*\* NOTE TO SPECIFIER \*\* TLD indicates a Trimless fixture for 5/8 inch (15.9 mm) Drywall installations. TLP indicates a Trimless fixture for 7/8 inch (22.2 mm) Plaster installations. Continuous row Trimless fixtures are indicated as TLD-CC or TLP-CC. Delete type and model not required.

* + - * 1. Type: Recessed Trimless for Drywall (TLD) or Plaster (TLP). MP Trimless Series as manufactured by ELP. Refer to Trimless catalog sheet for correct fixture lengths.

\*\* NOTE TO SPECIFIER \*\* Organized by size then lamp type. Delete type and model not required.

* + - * 1. Type: T-Bar. MPTB Series as manufactured by ELP. Lengths are housing length without trim.

Size: 22-1/2 inch (572 mm) length, 2-1/2 inch (64 mm) deep models.

Model 114T-5WW-MPTB: (1) 14W T-5 lamp.

Model 124T-5WW-MPTB: (1) 24W T-5 HO lamp.

Size: 22-1/2 inch (572 mm) length, 3 inch (76 mm) deep models.

Model 214T-5WW-MPTB: (2) 14W T-5 lamps.

Model 224T-5WW-MPTB: (2) 24W T-5HO lamps.

Size: 46-1/8 inch (1172 mm) length, 2-1/2 inch (64 mm) deep, models.

Model 128T-5WW-MPTB: (1) 28W T-5 lamp.

Model 154T-5WW-MPTB: (1) 54W T-5 HO lamp.

Size: 46-1/8 inch (1172 mm) length, 3 inch (76 mm) deep, models.

Model 228T-5WW-MPTB: (2) 28W T-5 lamps.

Model 254 T-5WW-MPTB: (2) 54W T-5 HO lamps.

\*\* NOTE TO SPECIFIER \*\* Ceiling recessed, Indirect with Asymmetric light throw, used for Video Conferencing and Distance Learning Lighting. View product information in Interior Recessed, Video Conferencing and Distance Learning Lighting Section. Applicable Series fixtures:
\*\* NOTE TO SPECIFIER \*\* VT Series for Drywall.
\*\* NOTE TO SPECIFIER \*\* VTTB Series for T-Bar.
\*\* NOTE TO SPECIFIER \*\* VT-(TLD or TLP) Series for Trimless.
\*\* NOTE TO SPECIFIER \*\* Delete any if not required.

* + 1. Down Lighting Fixtures:

\*\* NOTE TO SPECIFIER \*\* Round and Square aperture down lights cast with GRG (Glass fiber Reinforced Gypsum) composite material. Once installed the fixture become one with the ceiling surface and appears to be a custom formed drywall "light niche" that blends with any interior motif. Custom shapes and sizes available. Multi-trade installation, should be bid by framer, drywaller and electrician. Delete if not required.

* + - 1. Product: HITC Series, "Hole In The Ceiling" cast Light Niche for drywall installations, as manufactured by ELP.
				1. Description: Fiberglass reinforced cast plaster (GRG) fixtures with integral electrical components. Casting mounts directly to stud construction and is painted with the finish surface. Custom shapes and sizes are available. Once installed the fixtures become one with the ceiling surface and appear to be a custom formed drywall "light niche" that blends with any interior motif. The GRG portion of the fixture is fiberglass reinforced cast plaster and is made to butt 5/8 inch (15.9 mm) gypsum board construction and is painted with the finish surface. The metal, weld construction "top hat" is 20 gauge (0.9 mm) CRS that is post painted with TGIC polyester powder coating, with cover and knock-outs for wiring. Electrical components in the "top hat" are accessible through the bottom of the fixture. Adjustable fixtures tilt 35 degrees and rotate 359 degrees. Fluorescent units are supplied standard with Luminaire Disconnect.

\*\* NOTE TO SPECIFIER \*\* Refer to manufacturer's literature. Delete options not required.

* + - * 1. Casting Finish: Raw Casting must be Painted with Ceiling Finish.
				2. Insert Finish: White (Standard).
				3. Insert Finish: Anti-Microbial White (MB).

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for options available by model. Custom Heights Available, Consult Factory. Delete options not required.

* + - * 1. Power: 120 or 277 V. Refer to Fixture Schedule.
				2. Ballast: Electronic Ballast (Standard).
				3. Ballast: Dimming Ballast (Some Models) (DM). Check with Factory to Specify type.
				4. h.Transformer: Magnetic Q-Trans Transformer (QT). Only models shown.
				5. i.Adjustable: For Accent Lighting (ADJ) Only model shown.
				6. j.Lens: Frosted Lexan Lens (w/Knurled Nuts, Fluorescent only) (MLF).
				7. k.Lens: Milk White Glass Lift & Shift Lens. (LSGL). Only models shown.
				8. l.Air Tight: I.C. and Airtight Fixture. (IA). Only models shown.

\*\* NOTE TO SPECIFIER \*\* Some Slope Ceiling models are available, check product sheet. Custom slopes are also available. Delete if not required.

* + - * 1. m.Sloped: Sloped castings. Refer to drawings.

\*\* NOTE TO SPECIFIER \*\* Models available in round (R) or square (S) apertures. Double lamp fluorescent fixtures are available with a single lamp (change the first number to a "1"). Refer to product literature drawings for full detail of individual fixture dimensions. Organized by casting size then lamp type. Delete aperture size and model not required.

Casting Size: 8-1/4 inches square (210 mm) with 4-1/2 inches (114 mm) Round (R) or Square (S) aperture.

Model 150PAR-HITC(S or R)-4-IA: (1) 50W PAR30 lamp.

Model 150HAL-HITC(S or R)-4-LSGL: (1) 50W T-4, Bi-pin lamp.

Model 150MR16-HITC(S or R)-4-IA: (1) 50W MR-16 lamp.

Model 165MR16-HITC(S or R)-4-LSGL: Max. (1) 65W MR-16.

Model 165MR16-HITC(S or R)-4-LSGL-QT: Max(1) 65W MR-16.

\*\* NOTE TO SPECIFIER \*\* Following models are also available for Residential Height of 7-7/8 inches (200 mm) (Add "-8H" to model number). Delete model if not required.

Model 140A19-HITC (S or R)-4: (1) Max 40W A-19 lamp.

Model 175PAR-HITC (S or R)-4: (1) Max 75W Par30 lamp.

Model 165MR16-HITC(S or R)-4: Max. (1) 65W MR-16 lamp.

\*\* NOTE TO SPECIFIER \*\* Following models are Adjustable Accent fixtures with lamp holders that tilt 35 degrees and spin 359 degrees. Delete model if not required.

Model 150MR16-HITC(S or R)-4-IA-ADJ: (1) 50W MR-16 lamp.

Model 150MR16-HITC(S or R)-4-ADJ: Max. (1) 50W MR-16.

\*\* NOTE TO SPECIFIER \*\* Models available in round (R) or square (S) apertures. Double lamp fluorescent fixtures are available with a single lamp (change the first number to a "1"). Refer to product literature drawings for full detail of individual fixture dimensions. Delete aperture size and model not required.

Casting Size: 9-3/4 inches square (248 mm) with 6 inches (152 mm) Round (R) or Square (S) aperture.

Model 1100A19-HITC(S or R)-6: Max. (1) 100W A-19 lamp.

Model 1100A19-HITC(S or R)-6-LSGL: Max. (1) 100W A-19.

Model 150PAR-HITC(S or R)-6-IA: Max (1) 50W Par30 lamp.

Model 1150PAR-HITC(S or R)-6: Max (1) 150W Par38 lamp.

\*\* NOTE TO SPECIFIER \*\* Following fluorescent lamp models are available with Dimming Ballast. Delete model if not required.

Model 132TT-HITC(S or R)-6: (1) 32W Triple Tube lamp.

Model 213QD-HITC(S or R)-6: (2) 13W Quad lamps.

Model 213QD -HITC(S or R)-6-LSGL: (2) 13W Quad lamps.

Model 218TT-HITC(S or R)-6: (2) 18W Triple Tube lamp.

Model 218TT-HITC(S or R)-6-LSGL: (2) 18W Triple Tube lamp.

Model 226TT-HITC(S or R)-6: (2) 26W Triple Tube lamp.

Model 226TT-HITC(S or R)-6-LSGL: (2) 26W Triple Tube lamp.

\*\* NOTE TO SPECIFIER \*\* Following models are Adjustable Accent fixtures with lamp holders that tilt 35 degrees and spin 359 degrees. Delete model if not required.

Model 150PAR-HITC(S or R)-6-ADJ: Max. (1) 50W Par20 lamp.

Model 150PAR-HITC(S or R)-6-IA-ADJ: Max. (1) 50W Par20.

\*\* NOTE TO SPECIFIER \*\* Models available in round (R) or square (S) apertures. Double lamp fluorescent fixtures are available with a single lamp (change the first number to a "1"). Refer to product literature drawings for full detail of individual fixture dimensions. Delete aperture size and model not required.

Casting Size: 11-3/4 inches square (298 mm) with 8 inches (203 mm) Round (R) or Square (S) aperture.

Model 1100A19-HITC(S or R)-8: Max. (1) 100W A-19 lamp.

Model 1100A19-HITC(S or R)-8-LSGL: Max. (1) 100W A-19.

Model 1150PAR-HITC(S or R)-8: Max (1) 150W Par38 lamp

Model 139MHPAR-HITC(S or R)-8: Max. (1) 39W MH Par30.

Model 170MHPAR-HITC(S or R)-8: Max. (1) 70W MH Par38.

Model 1100MHPAR-HITC(S or R)-8: Max. (1) 100W MH Par38.

\*\* NOTE TO SPECIFIER \*\* Following fluorescent lamp models are available with Dimming Ballast. Delete model if not required.

Model 213QD-HITC(S or R)-8: (2) 13W Quad lamps.

Model 213QD -HITC(S or R)-8-LSGL: (2) 13W Quad lamps.

Model 218QD-HITC(S or R)-8: (2) 18W Quad lamp.

Model 218QD-HITC(S or R)-8-LSGL: (2) 18W Quad lamp.

Model 218TT-HITC(S or R)-8: (2) 18W Triple Tube lamp.

Model 218TT-HITC(S or R)-8-LSGL: (2) 18W Triple Tube lamp.

Model 226TT-HITC(S or R)-8: (2) 26W Triple Tube lamp.

Model 226TT-HITC(S or R)-8-LSGL: (2) 26W Triple Tube lamp.

Model 232TT-HITC(S or R)-8: (2) 32W Triple Tube lamp.

Model 232TT-HITC(S or R)-8-LSGL: (2) 32W Triple Tube lamp.

Model 242TT-HITC(S or R)-8: (2) 42W Triple Tube lamp.

Model 242TT-HITC(S or R)-8-LSGL: (2) 42W Triple Tube lamp.

\*\* NOTE TO SPECIFIER \*\* Models available in round (R) or square (S) apertures. Double lamp fluorescent fixtures are available with a single lamp (change the first number to a "1"). Refer to product literature drawings for full detail of individual fixture dimensions. Delete aperture size and model not required.

Casting Size: 13-3/4 inches square (349 mm) with 10 inches (254 mm) Round (R) or Square (S) aperture.

Model 1150PAR-HITC(S or R)-10: Max (1) 150W Par38 lamp.

Model 170MHPAR-HITC(S or R)-10: Max. (1) 70W MH Par38.

Model 1100MHPAR-HITC(S or R)-10: Max. (1) 100W MH Par38.

\*\* NOTE TO SPECIFIER \*\* Following fluorescent lamp models are available with Dimming Ballast. Delete model if not required.

Model 232TT-HITC(S or R)-10: (2) 32W Triple Tube lamp.

Model 232TT-HITC(S or R)-10-LSGL: (2) 32W Triple Tube lamp.

Model 242TT-HITC(S or R)-10: (2) 42W Triple Tube lamp.

Model 242TT-HITC(S or R)-10-LSGL: (2) 42W Triple Tube lamp.

\*\* NOTE TO SPECIFIER \*\* Models are very tall, 20-1/8 inches (511 mm), with a deep Round Cone casting. Double lamp fluorescent fixtures are available with a single lamp (change the first number to a "1"). Refer to product literature drawings for full detail of individual fixture dimensions. Delete aperture size and model not required.

* + - * 1. Casting Size: 23-3/4 inches square (603 mm) with 18 inches (457 mm) Round (R) or Square (S) aperture.

Model 1100A19-HITC-RC-18: Max. (1) 100W A-19 lamp.

Model 1150PAR-HITC-RC-18: Max (1) 150W Par38 lamp.

\*\* NOTE TO SPECIFIER \*\* Following fluorescent lamp models are available with Dimming Ballast. Delete model if not required.

Model 213QD-HITC-RC-18: (2) 13W Quad lamps

Model 218TT-HITC-RC-18: (2) 18W Triple Tube lamps.

Model 226TT-HITC-RC-18: (2) 26W Triple Tube lamps.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Video/Tele Conference and Distance Learning Lighting Fixtures:

\*\* NOTE TO SPECIFIER \*\* Ceiling recessed, Video/Tele Conference fixtures. The 2 x 2 units provide an asymmetric wash necessary to vertically illuminate participants being viewed by the camera. Indirect reflector design provides comfortable illumination while keeping direct light/glare off of the camera and monitor. Delete if not required.

* + - 1. Product: VT Series for Drywall and Trimless installation and VTTB for T-bar, as manufactured by ELP.
				1. Description: Indirect Video/Tele Conference Fixtures. Recessed, indirect 2 feet by 2 feet (610 mm by 610 mm) compact fluorescent fixtures utilizes one or two 40, 50, or 55 watt Biax lamps. The formed reflector combines white diffuse with high purity aluminum (99.9%) reflector material with 95% reflectance. The optical design allows energy efficient lighting layouts with excellent visual comfort for the speaker, the camera and the audience.
				2. The spot weld construction housing is 22 gauge (0.76 mm) CRS (20 gauge on request, 0.9 mm) and post painted with a white TGIC polyester powder coat. Housing without trim is 23 inches by 23 inches by 7 inch height (584 mm by 584 mm by 178 mm). Cover and knock-outs provided for through wiring. All fixtures are supplied standard with Luminaire Disconnect. Drywall fixture has extruded aluminum trim. UL/CUL and CE Damp Location listed. LED units are c/CSA/us listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Custom (Custom) Provide RAL number or paint sample to match.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Power: 120 or 277. Refer to Fixture Schedule.
				2. Ballast: Fluorescent Electronic Dimming (Standard).
				3. Optional Dimming Ballast: (DM2) Lutron ECO Systems.
				4. Optional Dimming Ballast: (DM3) Lutron Hi-Lume 3D.
				5. Optional Dimming Ballast: (DM4) Philips Advance Mark X.
				6. Optional Dimming Ballast: (DM5) Philips Advance Mark VII.
				7. Optional Dimming Ballast: (DM Other) (Specify)
				8. Driver: LED Dimming, 0-10 volt, Osram OT50 (Standard).
				9. Optional Dimming Driver: (DM6) Lutron ECO System 3-wire/Digital.
				10. Optional Dimming Driver: (DM7) Lutron LTE, 2-wire (120v only).
				11. LED Color: 3500K (Standard).
				12. LED Color: 3000K (30K).
				13. LED Color: 4000K (40K).

\*\* NOTE TO SPECIFIER \*\* Louver not Recommended.

* + - * 1. Louver: Diffuser Silver Parallel Blade (LV).

\*\* NOTE TO SPECIFIER \*\* One lamp models may be ordered by changing the (2) to a (1) in the part number. One lamp fixtures are only recommended when being mounted end to end in a continuous row. Delete fixture type and model not required.

* + - * 1. Type: Recessed for Drywall. VT Series, 2 X 2, as manufactured by ELP.

Model 444W1VT: Osram OT50 for (4) 10.8W LED modules.

Model 240BXVT: Lutron H3D for (2) 40W Biax lamps.

Model 250BXVT: Lutron H3D for (2) 50W Biax lamps.

Model 255BXVT: Advance Mark X for (2) 55W Biax lamps.

\*\* NOTE TO SPECIFIER \*\* CC indicates Continuous Ceiling row mount. Provide row configuration for nominal length of rows, i.e. (6) 12 foot rows (3.66 m). If mounting in continuous row (1) lamp fixture is suggested. Delete if not required.

* + - * 1. Type: Recessed Continuous row mount. VT-CC indicates Continuous Ceiling mount for Drywall installation as manufactured by Engineered Lighting Products.

All VT Series Models being mounted in continuous rows, add CC and supply nominal row configuration, i.e. (6) 12 foot rows (3.66 m).

\*\* NOTE TO SPECIFIER \*\* One lamp models may be ordered by changing the (2) to a (1) in the part number. One lamp fixtures are only recommended when being mounted end to end in a continuous row. Delete fixture type and model not required.

* + - * 1. Type: T-Bar. VTTB Series, 2 X 2, as manufactured by ELP. Lengths are housing length without

Model 444W1VT-TB: Osram OT50 for (4) 10.8W LED modules.

Model 240BXVT-TB: Lutron H3D for (2) 40W Biax lamps.

Model 250BXVT-TB: Lutron H3D for (2) 50W Biax lamps.

Model 255BXVT-TB: Advance Mark X for (2) 55W Biax lamps.

\*\* NOTE TO SPECIFIER \*\* TLD indicates a Trimless fixture for 5/8 inch (15.9 mm) Drywall installations. TLP indicates a Trimless fixture for 7/8 inch (22.2 mm) Plaster installations. Continuous row Trimless fixture lengths TLD-CC or TLP-CC are the same as drywall. Delete type and model not required.

Type: Recessed Trimless for Drywall (TLD) or Plaster (TLP). VT Trimless Series as manufactured by ELP.

Model 444W1VT-(TLD or TLP): Osram OT50 for (4) 10.8W LED modules.

Model 240BXVT-(TLD or TLP): Lutron H3D for (2) 40W Biax

Model 250BXVT-(TLD or TLP): Lutron H3D for (2) 50W Biax

Model 255BXVT-(TLD or TLP): Advance Mark X for (2) 55W Biax lamps.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for information regarding lighting techniques for Video/Teleconferencing and Distance Learning. In addition to lighting the participants being viewed by the camera, the walls should also be illuminated. Wall wash fixtures to be considered are in the previous "ASYMMETRIC WASH LIGHTING FIXTURES" section. Refer to the following Series:
\*\* NOTE TO SPECIFIER \*\* AK or AKTB Series for Wall Wash.
\*\* NOTE TO SPECIFIER \*\* IW or IWTB Series for Wall Wash.
\*\* NOTE TO SPECIFIER \*\* MP or MPTB Series for Wall Wash.
\*\* NOTE TO SPECIFIER \*\* Delete any if not required.

* 1. INTERIOR SURFACE MOUNT FIXTURES

\*\* NOTE TO SPECIFIER \*\* INTERIOR SURFACE MOUNT FIXTURE sub-categories are:
Asymmetric Wash Lighting Fixtures.
Cove Lighting Fixtures
Video/Tele Conference and Distance Learning Lighting Fixtures. Delete any if not required.
\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Asymmetric Wash Lighting Fixtures - Ceiling, Floor and Wall Wash Products.

\*\* NOTE TO SPECIFIER \*\* Surface mount fixtures to light the Wall, Ceiling or Floor. High-performance wall wash fixtures. Ideal Wall Wash - A good rule of thumb is that a wall wash fixture should be back from the wall (or surface you are lighting) 1/4 to 1/3 the distance of the height of the wall. However, in the real world, many times the structure dictates where the fixtures must be placed. ELP has the largest selection of linear, fluorescent wall wash fixtures on the market and the most lamp options. The following information will help with your selection: A - 8 inches to 12 inches from wall (203 mm to 305 mm); B - 18 inches to 24 inches from wall (457 mm to 610 mm); C - 24 inches to 36 inches from wall (610 mm to 914 mm); D - 36 inches to 48 inches from wall (914 mm to 1219 mm); E - 48 inches to 66 inches from wall (1219 mm to 1676 mm).
\*\* NOTE TO SPECIFIER \*\* AKS Series: B, C, D (Ideal C&D).
\*\* NOTE TO SPECIFIER \*\* DWS Series: A, B (Ideal A).
\*\* NOTE TO SPECIFIER \*\* IWS Series: B, C, D (Ideal C).
\*\* NOTE TO SPECIFIER \*\* MPS Series: B, C, D (Ideal C).
\*\* NOTE TO SPECIFIER \*\* VTS Series: C, D (Ideal C).
\*\* NOTE TO SPECIFIER \*\* Surface mount fixture to Light the Wall or the Ceiling or Floor. High-performance wall wash fixtures with exceptional lamp shielding from the normal viewing angle. The shallow 3-1/2 inches (89 mm) design is ADA compliant for wall mounting (excluding two lamp T-8 fixtures). Formed, high purity aluminum reflectors provide even, unscalloped illumination. Delete if not required.

* + - 1. Product: AKS Series for surface mount installation as manufactured by ELP. Refer to AK Series for details in the Recessed section, or catalog cut on website.

\*\* NOTE TO SPECIFIER \*\* Narrow, Surface Mount Display Lighting for close placement to the wall. Strong vertical throw of light allows the fixture to be placed closer to the wall than a typical wall wash unit. DO NOT use these fixtures if you can place your wall wash fixture the proper distance from the wall (30-36 inches, 762-914 mm, from the wall for 8 foot, 2.44 m, ceiling). These fixture are meant to be a "best solution possible" when you are forced to place fixtures closer to the wall than desired. The narrow, 6 inch (152 mm) fixture is 5 inch (127 mm) height. Formed, high purity aluminum reflectors provide even, unscalloped illumination. Delete if not required.

* + - 1. Product: DWS Series for Display Lighting for surface mount installation as manufactured by ELP. Refer to DW Series for details in the Recessed section, or catalog cut on website.

\*\* NOTE TO SPECIFIER \*\* Surface Mount indirect fixture with asymmetric wash of light to provide vertical illumination in difficult applications such as mirrored surfaces and video conference key speaker where a shielded lamp is critical. The formed reflector provides even, unscalloped illumination with no glare. Delete if not required.

* + - 1. Product: IWS Series indirect for surface mount installation as manufactured by ELP. Refer to IW Series for details in the Recessed section, or catalog cut on website.

\*\* NOTE TO SPECIFIER \*\* Surface mount fixture to Light the Wall or the Ceiling or Floor. High-performance wall wash fixtures with exceptional lamp shielding from the normal viewing angle. The shallow design is ADA compliant for wall mounting. Single lamp fixtures are 2-1/2 inches (64 mm) deep and two lamp fixtures are 3 inches (76 mm) deep. Formed, high purity aluminum reflectors provide even, unscalloped illumination. Delete if not required.

* + - 1. Product: MPS Series for surface mount installation as manufactured by ELP. Refer to MP Series for details in the Recessed section, or catalog cut on website.

\*\* NOTE TO SPECIFIER \*\* Surface Mount, Indirect with Asymmetric light throw, used for Video Conferencing and Distance Learning Lighting. View product information in Interior Surface Mount, Video Conferencing and Distance Learning Lighting Section. Applicable Series fixture:
\*\* NOTE TO SPECIFIER \*\* VTS Series for Surface Mount.
\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Cove Lighting:

\*\* NOTE TO SPECIFIER \*\* Shallow, high performing cove fixture is made to lay directly into a large cove shelf (by others). The superior reflector design smoothly illuminates the cove without unsightly socket shadows while projecting light out of the cove and into the space. Delete if not required.

* + - 1. Product: CL Series Surface Mount Cove Light as manufactured by ELP.
				1. Description: Shallow surface mounted fluorescent cove light. The fixture is 2-3/4 inches (70 mm) or 4-1/2 inches (114 mm) deep by 8-3/4 inches (222 mm) wide with ballast mounted in the housing. The one piece, formed reflector is TGIC polyester powder coated and is easily removable without tools for access to ballast and wiring. Reflector design illuminates the cove without unsightly socket shadows. TGIC polyester powder coated, weld construction housing is made of 22 gauge (0.76mm) CRS (20 gauge on request, 0.9 mm) with knock-outs provided at each end of fixture. Fixtures are supplied with Luminaire Disconnect. UL/CUL and CE Damp Location listed. LED units are c/CSA/us listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Anti-Microbial White (MB).

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Power: 120 or 277 V. Refer to Fixture Schedule.
				2. Ballast: HPF Electronic Ballast (Standard). Refer to Fixture Schedule.
				3. Ballast: Dimming Ballast (DM). Refer to Fixture Schedule.
				4. Driver for LED: Dimming standard with Osram OT, 0-10 volt, available options are Lutron 3-wire/digital and Lutron 2-wire (120v Only).
				5. Emergency Power: (Some Models) (EPP). Provided with remote test plate. Refer to Fixture Schedule.
				6. LED Color: 3500K (Standard).
				7. LED Color: 3000K (30K).
				8. LED Color: 4000K (40K).
				9. Lens: Clear Lexan Lens (FL).
				10. Lens: Frosted Lexan Lens (FLF).
				11. Louver: Diffuse Silver Parallel Blade (LV). Refer to Fixture Schedule.

\*\* NOTE TO SPECIFIER \*\* Organized by size then lamp type. Delete fixture not required.

* + - * 1. Type: Cove Light. CL Series as manufactured by ELP.

Size: 22-1/2 inches (572 mm) length, 2-3/4 inch (70 mm) deep models:

Model 222W1CL: (2) 10.8W LED modules.

Model 444W1CL24: (4) 10.8W LED modules.

Model 114T5CL: (1) 14W T-5 lamp.

Model 124T5CL: (1) 24W T-5HO lamp.

Size: 22-1/2 inches (572 mm) length, 4-1/2 inch (114 mm) deep models:

Model 214T5CL: (2) 14W T-5 lamps.

Model 224T5CL: (2) 24W T-5HO lamps.

Size: 23 inches (584 mm) length, 2-3/4 inch (70 mm) deep models:

Model 140BXCL: (1) 40W Biax lamp.

Model 150BXCL: (1) 50W Biax lamp.

Model 155BXCL: (1) 55W Biax lamp.

Size: 23 inches (584 mm) length, 4-1/2 inch (114 mm) deep models:

Model 240BXCL24: (2) 40W Biax lamps.

Model 250BXCL24: (2) 50W Biax lamps.

Model 255BXCL24: (2) 55W Biax lamps.

Size: 24 inches (610 mm) length, 2-3/4 inch (70 mm) deep model:

Model 117T8CL: for (1) 17W T-8 lamp.

Size: 24 inches (610 mm) length, 4-1/2 inch (114 mm) deep model:

Model 217T8CL: (2) 17W T-8 lamps.

Size: 34-5/16 inches (872 mm) length, 2-3/4 inch (70 mm) deep models:

Model 333W1CL: (3) 10.8W LED modules.

Model 666W1CL: (6) 10.8W LED modules.

Model 121T5CL: (1) 21W T-5 lamp.

Model 139T5CL: (1) 39W T-5 HO lamp.

Size: 34-5/16 inches (872 mm) length, 4-1/2 inch (114 mm) deep models:

Model 221T5CL: (2) 21W T-5 lamps.

Model 239T5CL: (2) 39W T-5 HO lamps.

Size: 36 inches (914 mm) length, 2-3/4 inch (70 mm) deep model:

Model 125T8CL: (1) 25W T-8 lamp.

Size: 36 inches (914 mm) length, 4-1/2 inch (114 mm) deep model:

Model 225T8CL: (2) 25W T-8 lamps.

Size: 46-1/8 inches (1172 mm) length, 2-3/4 inch (70 mm) deep models:

Model 444W1CL: (4) 10.8W LED modules.

Model 888W1CL: (8) 10.8W LED modules.

Model 240BXCL: (2) 40W Biax lamps.

Model 250BXCL: (2) 50W Biax lamps.

Model 255BXCL: (2) 55W Biax lamps.

Model 128T5CL: (1) 28W T-5 lamp.

Model 154T5CL: (1) 54W T-5 HO lamp.

Size: 46-1/8 inches (1172 mm) length, 4-1/2 inch (114 mm) deep models:

Model 440BXCL: (4) 40W Biax lamps.

Model 450BXCL: (4) 50W Biax lamps.

Model 455BXCL: (4) 55W Biax lamps.

Model 228T5CL: (2) 28W T-5 lamps.

Model 254T5CL: (2) 54W T-5 HO lamps.

Size: 48 inches (1219 mm) length, 2-3/4 inch (70 mm) deep models:

Model 132T8CL: (1) 32W T-8 lamp.

Size: 48 inches (1219 mm) length, 4-1/2 inch (114 mm) deep models:

Model 232T8CL: (2) 32W T-8 lamps.

\*\* NOTE TO SPECIFIER \*\* Wall mounted cast decorative cove of GRG (Glass fiber Reinforced Gypsum) composite material. Cove system combines continuous decorative cast cove with a high performance lighting component that illuminates the cove while projecting light out of the cove and into the space. Casting and reflectors must be ordered separately and assembled in the field, refer to product literature. Delete if not required.

* + - 1. Product: CLC Series Decorative Surface Wall Mount Cornice Cove Light as manufactured by ELP.
				1. Description: Cast Cove light system for use with fluorescent lamps. The composite, GRG (Glass fiber Reinforced Gypsum) cove casting is available in five standard styles and is provided in 8 feet (2.44 m) sections that are cut and joined in the field. Inside and outside 90 degree corners shall be provided as required. The lighting component is complete with a formed reflector that is matte white, TGIC polyester powder coated, integral ballast and lamp sockets. The asymmetric reflector design distributes uniform light into the space while minimizing socket shadowing. Castings and reflectors must be ordered separately and assembled together in the field. Fixtures shall be supplied standard with Luminaire Disconnect. UL/CUL and CE Damp Location listed. LED units are c/CSA/us listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Anti-Microbial White (MB).

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Power: 120 or 277 V. Refer to Fixture Schedule.
				2. Ballast: HPF Electronic Ballast (Standard). Refer to Fixture Schedule.
				3. Ballast: Dimming Ballast (Some models) (DM). Refer to Fixture Schedule.
				4. Driver for LED: Dimming standard with Osram OT, 0-10 volt, available options are Lutron 3-wire/digital and Lutron 2-wire.
				5. Emergency Power: (Some Models) (EPP). Provided with remote test plate. Refer to Fixture Schedule.
				6. GRG Casting: Style A, B, C, D and E as specified. Refer to Schedule.
				7. GRG Casting: Custom Available. Refer to fixture Schedule.
				8. LED Color: 3500K (Standard).
				9. LED Color: 3000K (30K).
				10. LED Color: 4000K (40K).
				11. Lens: Clear Lexan Lens (FL).
				12. Lens: Frosted Lexan Lens (FLF).
				13. Louver: Diffuse Silver Parallel Blade (LV). Refer to Fixture Schedule.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature to view decorative casting styles available. Must specify "casting" and "lighting component" separately. Organized by casting size. Delete casting not required.

* + - * 1. Type: Decorative Castings for CLC Series in 8 foot (2.44 m) length sections as manufactured by ELP.

Casting Size: 5 inches wide by 4 inch height (127 mm by 102 mm) model:

Model HC-5CLC-E: Style E Casting only

Casting Size: 7-3/4 inches wide by 5-1/4 inch height (197 mm by 133 mm) model:

Model HC-8CLC-A: Style A Casting only.

Model HC-8CLC-B: Style B Casting only.

Model HC-8CLC-C: Style C Casting only.

Model HC-8CLC-D: Style D Casting only.

Casting Size: 10 inches wide by 5-1/4 inch height (254 mm by 133 mm) model:

Model HC-10CLC-B: Style B Casting only.

Model HC-10CLC-C: Style C Casting only.

Model HC-10CLC-D: Style D Casting only.

Casting Size: 10 inches wide by 6 inch height (254 mm by 152 mm) model:.

Model HC-10CLC-A: Style A Casting only.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature to view decorative casting styles available. Must specify "casting" and "lighting component" separately. Organized by size then lamp type. Style of casting for lighting component (A, B, C, D, or E) should be added after "CLC" Delete lighting components not required.

* + - * 1. Type: Cove Light Lighting Component. CLC Series as manufactured by ELP. Fill in Style after "CLC."

Size: 5 inches wide by 23 inch length (127 mm by 584 mm) models:

Model 114T5CLC-E-5: (1) 14W T-5 lamp.

Model 124T5CLC-E-5: (1) 24W T-5HO lamp

Size: 5 inches wide by 34-3/4 inch length (127 mm by 883 mm) models:

Model 121T5CLC-E-5: (1) 21W T-5 lamp.

Model 139T5CLC-E-5: (1) 39W T-5 HO lamp.

Size: 5 inches wide by 46-1/2 inch length (127 mm by 1181 mm) models:

Model 128T5CLC-E-5: (1) 28W T-5 lamp.

Model 154T5CLC-E-5: (1) 54W T-5 HO lamp.

Size: 7-3/4 inches wide by 23 inch length (197 mm by 584 mm) models:

Model 222W1CLC-(A, B, C or D)-8: (2) 10.8W LED modules.

Model 114T5CLC-(A, B, C or D)-8: (1) 14W T-5 lamp.

Model 214T5CLC-(A, B, C or D)-8: (2) 14W T-5 lamps.

Model 124T5CLC-(A, B, C or D)-8: (1) 24W T-5HO lamp.

Model 224T5CLC-(A, B, C or D)-8: (2) 24W T-5HO lamps.

Model 140BXCLC-(A, B, C or D)-8: (1) 40W Biax lamp.

Model 150BXCLC-(A, B, C or D)-8: (1) 50W Biax lamp.

Model 155BXCLC-(A, B, C or D)-8: (1) 55W Biax lamp.

Size: 7-3/4 inches wide by 24 inch length (197 mm by 610 mm) model:

Model 117T8CLC-(A, B, C or D)-8: (1) 17W T-8 lamp.

Size: 7-3/4 inches wide by 34-3/4 inch length (197 mm by 883 mm) models:

Model 333W1CLC-(A, B, C or D)-8: (3) 10.8W LED modules.

Model 121T5CLC-(A, B, C or D)-8: (1) 21W T-5 lamp.

Model 221T5CLC-(A, B, C or D)-8: (2) 21W T-5 lamps.

Model 139T5CLC-(A, B, C or D)-8: (1) 39W T-5HO lamp.

Model 239T5CLC-(A, B, C or D)-8: (2) 39W T-5HO lamps.

Size: 7-3/4 inches wide by 36 inch length (197 mm by 914 mm) models:

Model 125T8CLC-(A, B, C or D)-8: (1) 25W T-8 lamp.

Size: 7-3/4 inches wide by 46-1/2 inch length (197 mm by 1181 mm) models:

Model 444W1CLC-(A, B, C or D)-8: (4) 10.8W LED modules.

Model 128T5CLC-(A, B, C or D)-8: (1) 28W T-5 lamp.

Model 228T5CLC-(A, B, C or D)-8: (2) 28W T-5 lamps.

Model 154T5CLC-(A, B, C or D)-8: (1) 54W T-5HO lamp.

Model 254T5CLC-(A, B, C or D)-8: (2) 54W T-5HO lamps.

Model 240BXCLC-(A, B, C or D)-8: (2) 40W Biax lamps.

Model 250BXCLC-(A, B, C or D)-8: (2) 50W Biax lamps.

Model 255BXCLC-(A, B, C or D)-8: (2) 55W Biax lamps.

Size: 7-3/4 inches wide by 48 inch length (197 mm by 1219 mm) models:

Model 132T8CLC-(A, B, C or D)-8: (1) 32W T-8 lamp.

Size: 10 inches wide by 23 inch length (254 mm by 584 mm) models:

Model 222W1CLC-(A, B, C or D)-10: (2) 10.8W LED modules.

Model 444W1CLC24-(A, B, C or D)-10: (2) 10.8W LED modules.

Model 140BXCLC-(A, B, C or D)-10: (1) 40W Biax lamp.

Model 240BXCLC24-(A, B, C or D)-10: (2) 40W Biax lamps.

Model 150BXCLC-(A, B, C or D)-10: (1) 50W Biax lamp.

Model 250BXCLC24-(A, B, C or D)-10: (2) 50W Biax lamps.

Model 155BXCLC-(A, B, C or D)-10: (1) 55W Biax lamp.

Model 255BXCLC24-(A, B, C or D)-10: (2) 55W Biax lamps.

Size: 10 inches wide by 24 inch length (254 mm by 610 mm) models:

Model 117T8CLC-(A, B, C or D)-10: (1) 17W T-8 lamp.

Model 217T8CLC-(A, B, C or D)-10: (2) 17W T-8 lamps.

Size: 10 inches wide by 34-3/4 inch length (254 mm by 883 mm) models:

Model 333W1CLC-(A, B, C or D)-10: (3) 10.8W LED modules.

Model 666W1CLC-(A, B, C or D)-10: (6) 10.8W LED modules.

Size: 10 inches wide by 36 inch length (254 mm by 914 mm) models:

Model 125T8CLC-(A, B, C or D)-10: (1) 25W T-8 lamp.

Model 225T8CLC-(A, B, C or D)-10: (2) 25W T-8 lamps.

Size: 10 inches wide by 46-1/2 inch length (254 mm by 1181 mm) models:

Model 444W1CLC-(A, B, C or D)-10: (4) 10.8W LED modules.

Model 888W1CLC-(A, B, C or D)-10: (8) 10.8W LED modules.

Model 240BXCLC-(A, B, C or D)-10: (2) 40W Biax lamps.

Model 440BXCLC-(A, B, C or D)-10: (4) 40W Biax lamps.

Model 250BXCLC-(A, B, C or D)-10: (2) 50W Biax lamps.

Model 450BXCLC-(A, B, C or D)-10: (4) 50W Biax lamps.

Model 255BXCLC-(A, B, C or D)-10: (2) 55W Biax lamps.

Model 455BXCLC-(A, B, C or D)-10: (4) 55W Biax lamps.

Size: 10 inches wide by 48 inch length (254 mm by 1219 mm) models:

Model 132T8CLC-(A, B, C or D)-10: (1) 32W T-8 lamp.

Model 232T8CLC-(A, B, C or D)-10: (2) 32W T-8 lamps.

\*\* NOTE TO SPECIFIER \*\* Low profile, high performing cove fixture is made to lay directly into a cove shelf (by others). The reflector design illuminates the cove and minimizes socket shadows while projecting light out of the cove and into the space. Delete if not required.

* + - 1. Product: CLLP Series Surface Mount Cove Light as manufactured by ELP.
				1. Description: Sleek, low profile surface mounted fluorescent cove light. The fixture is 2 inches (51 mm) or 3 inches (76 mm) deep by 6 inches (152 mm) wide with ballast mounted in the housing. The one piece, formed reflector is TGIC polyester powder coated and is easily removable without tools for access to ballast and wiring. Reflector design illuminates the cove while minimizing unsightly socket shadows. TGIC polyester powder coated, weld construction housing is made of 22 gauge (0.76 mm) CRS (20 gauge on request, 0.9 mm) with knock-outs provided at each end of fixture. Fixtures are supplied with Luminaire Disconnect. UL/CUL and CE Damp Location listed. LED units are c/CSA/us listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Anti-Microbial White (MB).

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Power: 120 or 277 V. Refer to Fixture Schedule.
				2. Ballast: HPF Electronic Ballast (Standard). Refer to Fixture Schedule.
				3. Ballast: Dimming Ballast (Some models) (DM). Refer to Fixture Schedule.
				4. Driver for LED: Dimming standard with Osram OT, 0-10 volt, available options are Lutron 3-wire/digital and Lutron 2-wire (120v Only).
				5. Emergency Power: (Some Models) (EPP). Provided with remote test plate. Refer to Fixture Schedule
				6. LED Color: 3500K (Standard).
				7. LED Color: 3000K (30K).
				8. LED Color: 4000K (40K).
				9. Lens: Clear Lexan Lens (FL).
				10. Lens: Frosted Lexan Lens (FLF).

\*\* NOTE TO SPECIFIER \*\* Organized by size then lamp type. Delete fixture not required.

* + - * 1. Type: Cove Light. CLLP Series as manufactured by ELP.

Size: 22-1/2 inch (572 mm) length models.

Model 222W1CLLP: (2) 10.8W LED modules.

Model 114T-5CLLP: 2 inch (51 mm) deep, (1) 14W T-5 lamp.

Model 124T-5CLLP: 2 inch (51 mm) deep, (1) 24W T-5 HO lamp.

Model 214T-5CLLP: 3 inch (76 mm) deep, (2) 14W T-5 lamps.

Model 224T-5CLLP: 3 inch (76 mm) deep, (2) 24W T-5HO lamps.

Size: 23 inch (584 mm) length models:

Model 140BXCLLP: 3 inch (76 mm) deep, (1) 40W Biax lamp.

Model 150BXCLLP: 3 inch (76 mm) deep, (1) 50W Biax lamp.

Model 155BXCLLP: 3 inch (76 mm) deep, (1) 55W Biax lamp.

Size: 24 inch (610 mm) length model:

Model 117T-8CLLP: 3 inch (76 mm) deep, (1) 17W T-8 lamp.

Size: 34-5/16 inch (872 mm) length models.

Model 333W1CLLP: (3) 10.8W LED modules.

Model 121T-5CLLP: 2 inch (51 mm) deep, (1) 21W T-5 lamp.

Model 139T-5CLLP: 2 inch (51 mm) deep, (1) 39W T-5 HO.

Model 221T-5CLLP: 3 inch (76 mm) deep, (2) 21W T-5 lamps.

Model 239T-5CLLP: 3 inch (76 mm) deep, (2) 39W T-5 HO.

Size: 36 inch (914 mm) length models:

Model 125T-8CLLP: 3 inch (76 mm) deep, (1) 25W T-8 lamp.

Size: 46-1/8 inch (1172 mm) length models.

Model 444W1CLLP: (4) 10.8W LED modules.

Model 128T-5CLLP: 2 inch (51 mm) deep, (1) 28W T-5 lamp.

Model 154T-5CLLP: 2 inch (51 mm) deep, (1) 54W T-5 HO.

Model 228T-5CLLP: 3 inch (76 mm) deep, (2) 28W T-5 lamps.

Model 254T-5CLLP: 3 inch (76 mm) deep, (2) 54W T-5 HO.

Model 240BXCLLP: 3 inch (76 mm) deep, (2) 40W Biax lamps.

Model 250BXCLLP: 3 inch (76 mm) deep, (2) 50W Biax lamps.

Model 255BXCLLP: 3 inch (76 mm) deep, (2) 55W Biax lamps.

Size: 48 inch (1219 mm) length model:

Model 132T-8CLLP: 3 inch (76 mm) deep, (1) 32W T-8 lamp.

\*\* NOTE TO SPECIFIER \*\* Mini cove fixture is made to lay directly into your narrow or pre-fabricated cove shelf (by others). Reflector design illuminates the cove and minimizes socket shadows. By projecting light out of the cove and into the space, they provide far superior performance than a typical "strip-light." Delete if not required.

* + - 1. Product: CLM Series Surface Mount Mini Cove Light as manufactured by ELP.
				1. Description: Mini surface mounted fluorescent cove light. The fixture is 2-3/4 inches (70 mm) deep and 4 inches (102 mm) wide, with ballast mounted in the housing. The one piece, formed reflector is TGIC polyester powder coated in matte white and is easily removable without tools for access to ballast and wiring. White reflector design illuminates the cove and minimizes unsightly socket shadows. TGIC polyester powder coated, weld construction housing is made of 22 gauge (0.76mm) CRS (20 gauge on request, 0.9 mm) with knock-outs provided at the end of fixture to allow for through wiring. Fixtures are supplied standard with luminaire. UL/CUL Damp Location listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: White (Standard).
				2. Finish: Anti-Microbial White (MB.
				3. Finish: Custom (for Surface Wall Mount) (Custom) Provide RAL number or paint sample to match.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Power: 120 or 277 V. Refer to Fixture Schedule.
				2. Ballast: HPF Electronic Ballast (Standard). Refer to Fixture Schedule.
				3. Ballast: Dimming (Some Models) (DM). Refer to Fixture Schedule.
				4. Emergency Power: (Some Models) (EPP). Provided with remote test plate. Refer to Fixture Schedule.
				5. Lens: Clear Lexan Lens (FL).
				6. Lens: Frosted Lexan Lens (FLF).
				7. Mounting: Within narrow cove (by others) (Standard).
				8. Mounting: Surface Wall Mount (SW): Unit with clean, textured finish has knock-outs on back. Finish and color as scheduled.

\*\* NOTE TO SPECIFIER \*\* Organized by size then lamp type. Delete fixture not required.

* + - * 1. Type: Cove Light. CLM Series as manufactured by ELP.

Size: 12 inch (305 mm) length model.

Model 118BXCLM: (1) 18W Biax lamp.

Size: 22-1/2 inch (572 mm) length models.

Model 114T-5CLM: (1) 14W T-5 lamp.

Model 124T-5CLM: (1) 24W T-5 HO lamp.

Size: 23 inch (584 mm) length models:

Model 140BXCLM: (1) 40W Biax lamp.

Model 150BXCLM: (1) 50W Biax lamp.

Model 155BXCLM: (1) 55W Biax lamp.

Size: 24 inch (610 mm) length model:

Model 117T-8CLM: (1) 17W T-8 lamp.

Size: 34-5/16 inch (872 mm) length models.

Model 121T-5CLM: (1) 21W T-5 lamp.

Model 139T-5CLM: (1) 39W T-5 HO lamp.

Size: 36 inch (914 mm) length models:

Model 125T-8CLM: (1) 25W T-8 lamp.

Size: 46-1/8 inch (1172 mm) length models.

Model 128T-5CLM: (1) 28W T-5 lamp.

Model 154T-5CLM: (1) 54W T-5 HO lamp.

Model 240BXCLM: (2) 40W Biax lamp.

Model 250BXCLM: (2) 50W Biax lamp.

Model 255BXCLM: (2) 55W Biax lamp.

Size: 48 inch (1219 mm) length model:

Model 132T-8CLM: (1) 32W T-8 lamp.

\*\* NOTE TO SPECIFIER \*\* Delete any if not required.

* + 1. Video/Tele Conference and Distance Learning Lighting Fixtures:

\*\* NOTE TO SPECIFIER \*\* Surface Mounted, Video/Tele Conference fixtures. The 2 x 2 units provide an asymmetric wash necessary to vertically illuminate participants being viewed by the camera. Indirect reflector design provides comfortable illumination while keeping direct light/glare off of the camera and monitor. Delete if not required.

* + - 1. Product: VTS Series for surface mount installation as manufactured by Engineered Lighting Products. Refer to VT Series for details in the Recessed section, or catalog cut on website.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. EXTERIOR - WET LOCATION FIXTURES

\*\* NOTE TO SPECIFIER \*\* EXTERIOR - WET LOCATION FIXTURE sub-categories are: Recessed Exterior Lighting Fixtures.
Surface Mount Exterior Lighting Fixtures.
\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Recessed Exterior Lighting Fixtures:

\*\* NOTE TO SPECIFIER \*\* Wet Location low level floodlights. Shallow 4 inches (102 mm) recess depth allows easy incorporation into exterior walls. Their unique Regress Lens design, available in most models, is very low brightness. Fluorescent lamps with the high purity aluminum reflector system provide high light levels with low energy. Delete if not required.

* + - 1. Product: CP Series, Recessed Exterior or Concrete Pour Low Level Floodlight as manufactured by ELP.
				1. Description: Recessed wet location low level floodlight. Fixture recess is 4 inches (102 mm) deep. The one piece, formed reflector is high purity aluminum with 97% reflectance. Formed aluminum face plate attaches with screws and recesses in the housing to mount flush with the finish surface. The face plate has a gasketed 3/16 inch (4.8 mm) acrylic or lexan regressed lens in most models. The regressed lens design provides very low brightness. TGIC polyester powder coated, weld construction housing has attached J-box suitable for through wiring. Fixtures are supplied standard with Luminaire Disconnect. UL/CUL Wet Location and concrete pour listed. LED units are c/CSA/us listed.

\*\* NOTE TO SPECIFIER \*\* Optional Stainless Steel fixtures require "SS" be added to the catalog number. Delete housing material not required.

* + - * 1. Housing: 18 gauge (1.2 mm) electro-plated galvanized steel (Standard), suitable for recessed exterior or concrete pour.
				2. Housing: 18 gauge (1.2 mm) stainless steel (SS) suitable for recessed exterior or concrete pour.
				3. Power: 120 or 277 V. Refer to Fixture Schedule.
				4. Ballast: HPF Electronic Ballast (Standard). Fixtures shall use electronic ballast with minus 20 degree F starting temperature.
				5. Driver for LED: Dimming standard with Osram OT50, 0-10 volt, available options are Lutron 3-wire/digital and Lutron 2-wire (120v Only) with minus 20 degree F starting temperature.
				6. LED Color: 3000K (Standard).
				7. LED Color: 3500K (35K).
				8. LED Color: 4000K (40K).

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: Black (Standard).
				2. Finish: Bronze (BZ).
				3. Finish: Custom (Custom) Provide RAL number or paint sample to match.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete reflector not required.

* + - * 1. Reflector: Diffuse Silver (Standard).
				2. Reflector: Stepped Diffuse Silver (ST).

\*\* NOTE TO SPECIFIER \*\* Refer to manufacturer's literature. Delete lens not required.

* + - * 1. Lens: Regressed Acrylic (Some Models).
				2. Lens: Regressed Polycarbonate - LEX (Some Models).
				3. Lens: Flat Acrylic - FL (Some Models).
				4. Lens: Flat Polycarbonate -FL-LEX (Available All Models).
				5. Lens: Flat Tempered Glass - TGL (Available All Models).

\*\* NOTE TO SPECIFIER \*\* Delete type not required.

* + - * 1. Type: Recessed 10-1/2 inches (267 mm) high. Refer to drawings and Fixture Schedule. Lengths are housing length without mounting flange.
				2. Type: Concrete Pour 10-1/2 inches (267 mm) high. Refer to drawings and Fixture Schedule. Lengths are housing length without mounting flange.

\*\* NOTE TO SPECIFIER \*\* Optional Stainless Steel fixtures require "SS" be added to the catalog number. Organized by size then lamp type. Delete model not required.

Size: 10-7/8 inches (276 mm) length models.

Model 111W1CP: (1) 9W LED module.

Model 113PLCP: (1) 13W PL 4-pin lamp.

Model 118QDCP: (1) 18W Quad lamp.

Model 126QDCP-LEX: (1) 26W Quad lamp

Model 126TTCP-LEX: (1) 26W Triple Tube lamp.

Model 132TTCP-LEX: (1) 32W Triple Tube lamp.

Model 142TTCP-FL-LEX: (1) 42W Triple Tube lamp.

Size: 19 inches (483 mm) length models.

Model 213PLCP: (2) 13W PL 4-pin lamps.

Model 226QDCP-LEX: (2) 26W Quad lamps.

Model 226TTCP-LEX: (2) 26W Triple Tube lamps.

Model 232TTCP-LEX: (2) 32W Triple Tube lamps.

Model 242TTCP-FL-LEX: (2) 42 watt Triple Tube lamps.

Model 139BXCP: (1) 39W Biax lamp.

Size: 25-3/8 inches (645 mm) length models.

Model 222W1CP: (2) 9W LED modules.

Model 140BXCP: (1) 40W Biax lamp.

Model 150BXCP: (1) 50W Biax lamp.

Model 155BXCP: (1) 55W Biax lamp.

Model 117T-8CP: (1) 17W T-8 lamp.

Size: 48 inches (1219 mm) length models.

Model 240BXCP: (2) 40W Biax lamp.

Model 250BXCP: (2) 50W Biax lamp.

Model 255BXCP: (2) 55W Biax lamp.

Model 132T-8CP: (1) 32W T-8 lamp.

\*\* NOTE TO SPECIFIER \*\* Wet Location low level floodlights. These FRP (Fiber Reinforced Polymer) cast composite fixtures become part of the architecture. Shallow recess depth (4 inch, 102 mm) allows easy incorporation into exterior walls. Once installed, they look like a custom formed "light niche" that blends with any exterior motif. Multi-trade installation, should be bid by framer, exterior finish contractor and electrician. Delete if not required.

* + - 1. Product: HITW-EX Series, Recessed FRP (Fiber Reinforced Polymer), Hole In The Wall, Exterior Light Niche as manufactured by ELP.
				1. Description: FRP Casting (Fiberglass Reinforced Polymer). The cast fixture houses a ballast box with heat sink that includes wiring, socket, ballast and reflector. Incandescent fixture also has thermal protector. Fluorescent fixtures supplied standard with Luminaire Disconnect. Casting is secured to the 20 gauge (0.9 mm) electro-plated galvanized steel fixture back box and an 18 gauge (1.2 mm) electro-plated galvanized steel frame with lens and silicone gaskets seal the lamp compartment. Frame, ballast box, and fixture back box are TGIC polyester powder coated. Unite is 4-1/2 inches (114 mm) deep. Composite casting is water and high impact resistant. UL/CUL Wet Location and concrete pour listed. LED units are c/CSA/us listed.
				2. Field finished.
				3. Casting Finish: Raw Casting must be painted/finished in the field with Wall/Ceiling Finish.
				4. Insert Finish: Black (Standard).
				5. Insert Finish: Bronze (BZ).
				6. Insert Finish: Custom (Custom) Provide RAL number or paint sample to match.
				7. Power: 120 or 277 V. Refer to Fixture Schedule.
				8. Ballast: HPF Electronic Ballast (Standard). Fixtures shall use electronic ballast with minus 20 degree F starting temperature.
				9. Driver for LED: With minus 20 degree F starting temperature.
				10. LED Color: 3000K (Standard).
				11. LED Color: 2700K (27K).
				12. LED Color: 3500K (35K).
				13. LED Color: 4000K (40K).

\*\* NOTE TO SPECIFIER \*\* Refer to manufacturer's literature. Delete lens not required.

* + - * 1. Lens: Flat Acrylic - FL (Some Models).
				2. Lens: Flat Polycarbonate -FL-LEX (Some Models).
				3. Lens: Flat Tempered Glass - TGL (Available All Models).

\*\* NOTE TO SPECIFIER \*\* Refer to product literature drawings for full detail of individual fixture dimensions. Mounting Flange for back-box is 1-1/2 inches (38 mm) wider in both directions than the casting dimension. Organized by casting size then lamp type. Delete model not required.

* + - * 1. Casting Size: 12 inches by 8-5/8 inches (305 mm by 219 mm) with 4 inches by 5-5/8 inches (102 mm by 143 mm) aperture opening.

Model 125HAL-HITW-EX-4x6: (1) 25W T-4 Halogen, G-9 lamp.

Model 110IN-HITW-EX-4x6: (1) 10W C7 Nightlight, Candelabra.

\*\* NOTE TO SPECIFIER \*\* Delete fixture and model not required.

* + - * 1. Casting Size: 16 inches by 16 inches (406 mm by 406 mm) with 8 inches by 8 inches (203 mm by 203 mm) aperture opening.

Model 36W1-HITW-EX-8x8: (3) 1.6W LED modules.

Model 312W1-HITW-EX-8x8: (3) 3.3W LED modules.

Model 118TT-HITW-EX-8x8: (1) 18W Triple Tube lamp.

Model 126TT-HITW-EX-8x8: (1) 26W Triple Tube lamp.

\*\* NOTE TO SPECIFIER \*\* Delete fixture and model not required.

* + - * 1. Casting Size: 16 inches by 16 inches (406 mm by 406 mm) with 6 inches by 13 inches (152 mm by 330 mm) aperture opening.

Model 36W1-HITW-EX-6x13: (3) 1.6W LED modules.

Model 312W1-HITW-EX-6x13: (3) 3.3W LED modules.

Model 160IN-HITW-EX-6x13: (1) 60W T-10 Inc., Medium Screw.

Model 120IN-HITW-EX-6x13: (1) 20W T-3 Inc., Mini Can.

Model 113PL-HITW-EX-6x13: (1) 13W PL 4-pin lamp.

Model 118TT-HITW-EX-6x13: (1) 18W Triple Tube lamp.

Model 126TT-HITW-EX-6x13: (1) 26W Triple Tube lamp.

Model 126QD-HITW-EX-6x13: (1) 26W Quad lamp.

\*\* NOTE TO SPECIFIER \*\* Small, Wall Recessed low level LED step light fixture with asymmetric wash of light for exterior installation. The shallow 3 inch (76 mm) design allows easy installation into exterior walls. The formed reflector provides even illumination with no glare. Delete if not required.

* + - 1. Product: LS-EX Series for Recessed Exterior or Concrete Pour Low Level Floodlight as manufactured by ELP.
				1. Description: Small, recessed wet location low level step light fixture with asymmetric wash of light to provide ground illumination. The shallow 3 inch (76 mm) fixture may be recessed into a standard 4 inch (102 mm) wall. The formed reflector is high-purity aluminum (99.9%) reflector material with 97% reflectance. It is easily removable for access to the driver and wiring. The face plate has a gasketed 3/16 inch (4.8 mm) lexan lens. Fixture design provides complete lamp shielding from all angles with no direct glare. Weld construction housing is 3 by 6 inches (76 by 152.4 mm) and post painted with TGIC polyester powder coat. It is made of 18 gauge (1.2 mm) CRS with knock-outs on the side of the fixture. c/CSA/us Wet Location listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: Black (Standard).
				2. Finish: Bronze (BZ).

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Driver: 120 or 277 volt LED Driver with minus 20 degree F starting temperature.
				2. Reflector: Diffuse Silver 97 (Standard).
				3. LED Color Temperature: 3000K (Standard).
				4. LED Color Temperature: 2700K (27K).
				5. LED Color Temperature: 3500K (35K).
				6. LED Color Temperature: 4000K (40K).
				7. Lens/Trim: Clear Lexan Full Lens (Standard)
				8. Lens/Trim: Frosted Lexan Full Lens (FLF).

\*\* NOTE TO SPECIFIER \*\* Delete fixture type and model not required.

* + - * 1. Type: Recessed exterior or Concrete Pour LS-EX Series with Clear Lens as manufactured by Engineered Lighting Products.

Model 12W1LS-EX: (1) LED Strip, 2W, White, 1 Circuit.

Model 14W1LS-EX: (1) LED Strip, 4W, White, 1 Circuit.

\*\* NOTE TO SPECIFIER \*\* Delete fixture and model not required.

* + 1. Surface Mount Exterior Lighting Fixtures:

\*\* NOTE TO SPECIFIER \*\* Small, Wall Recessed low level LED step light fixture with asymmetric wash of light for exterior installation. The shallow 3 inch (76 mm) design allows easy installation into exterior walls. The formed reflector provides even illumination with no glare. Delete if not required.

* + - 1. Product: LS-EXS Series for Exterior surface mount Low Level Floodlight as manufactured by ELP.
				1. Description: Small, surface mount, wet location low level step light fixture with asymmetric wash of light to provide ground illumination. The shallow fixture is 3 inch (76 mm) deep. The formed reflector is high-purity aluminum (99.9%) reflector material with 97% reflectance. It is easily removable for access to the driver and wiring. The face plate has a gasketed 3/16 inch (4.8 mm) lexan lens. Fixture design provides complete lamp shielding from all angles with no direct glare. Weld construction housing is 3 by 6 inches (76 by 152.4 mm) and post painted with TGIC polyester powder coat. It is made of 18 gauge (1.2 mm) CRS with knock-outs on the side of the fixture. c/CSA/us Wet Location listed.

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: Black (Standard).
				2. Finish: Bronze (BZ).

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete options not required.

* + - * 1. Driver: 120 or 277 volt LED Driver with minus 20 degree F starting temperature.
				2. Reflector: Diffuse Silver 97 (Standard).
				3. LED Color Temperature: 3000K (Standard).
				4. LED Color Temperature: 2700K (27K).
				5. LED Color Temperature: 3500K (35K).
				6. LED Color Temperature: 4000K (40K).
				7. Lens/Trim: Clear Lexan Full Lens (Standard)
				8. Lens/Trim: Frosted Lexan Full Lens (FLF).

\*\* NOTE TO SPECIFIER \*\* Delete fixture type and model not required.

* + - * 1. Type: Exterior surface mount LS-EXS Series with Clear Lens as manufactured by Engineered Lighting Products.

Model 12W1LS-EXS: (1) LED Strip, 2W, White, 1 Circuit.

Model 14W1LS-EXS: (1) LED Strip, 4W, White, 1 Circuit.

\*\* NOTE TO SPECIFIER \*\* Wet Location low level floodlights. Shallow 4 inches (102 mm) deep units. Their unique Regress Lens design, available in most models, is very low brightness. Fluorescent lamps with the high purity aluminum reflector system provide high light levels with low energy. Delete if not required.

* + - 1. Product: WLS Series, Surface Mount Exterior Low Level Floodlight as manufactured by ELP.
				1. Description: Surface Mount Exterior wet location low level floodlight. Shallow fixture is 4 inches (102 mm) deep. The one piece, formed reflector is high purity aluminum with 95% reflectance. Formed aluminum face plate attaches with screws and recesses in the housing to mount flush with the finish surface. The face plate has a gasketed 3/16 inch (4.8 mm) acrylic or lexan regressed lens in most models. Regressed lens design provides very low brightness. TGIC polyester powder coated, weld construction housing has attached J-box suitable for through wiring. Fixtures are supplied standard with Luminaire Disconnect. UL/CUL Wet Location listed. LED units are c/CSA/us listed.

\*\* NOTE TO SPECIFIER \*\* Optional Stainless Steel fixtures require "SS" be added to the catalog number. Delete housing material not required.

* + - * 1. Housing: 18 gauge (1.2 mm) electro-plated galvanized steel (Standard), suitable for recessed exterior or concrete pour.
				2. Housing: 18 gauge (1.2 mm) stainless steel (SS) suitable for recessed exterior or concrete pour.
				3. Power: 120 or 277 V. Refer to Fixture Schedule.
				4. Ballast: HPF Electronic Ballast (Standard). Fixtures shall use electronic ballast with minus 20 degree F starting temperature.
				5. Driver for LED: Dimming standard with Osram OT50, 0-10 volt, available options are Lutron 3-wire/digital and Lutron 2-wire (120v Only) with minus 20 degree F starting temperature.
				6. LED Color: 3000K (Standard).
				7. LED Color: 3500K (35K).
				8. LED Color: 4000K (40K).

\*\* NOTE TO SPECIFIER \*\* Delete finish not required.

* + - * 1. Finish: Black (standard).
				2. Finish: Bronze (BZ).
				3. Finish: Custom (Custom) Provide RAL number or paint sample to match.

\*\* NOTE TO SPECIFIER \*\* Refer to product literature for model options available. Delete reflector not required.

* + - * 1. Reflector: Diffuse Silver (Standard).
				2. Reflector: Stepped Diffuse Silver (ST).

\*\* NOTE TO SPECIFIER \*\* Refer to manufacturer's literature. Delete lens not required.

* + - * 1. Lens: Regressed Acrylic (Some Models).
				2. Lens: Regressed Polycarbonate - LEX (Some Models).
				3. Lens: Flat Acrylic - FL (Some Models).
				4. Lens: Flat Polycarbonate -FL-LEX (Available All Models).
				5. Lens: Flat Tempered Glass - TGL (Available All Models).
				6. Type: Surface Mount 10-1/2 inches (267 mm) high. Refer to drawings and Fixture Schedule. Lengths are housing length without mounting flange.

\*\* NOTE TO SPECIFIER \*\* Optional Stainless Steel fixtures require "SS" be added to the catalog number. Organized by size then lamp type. Delete model not required.

Size: 10-7/8 inches (276 mm) length models.

Model 111W1WLS: (1) 9W LED module.

Model 113PLWLS: (1) 13W PL 4-pin lamp.

Model 118QDWLS: (1) 18W Quad lamp.

Model 126QDWLS-LEX: (1) 26W Quad lamp

Model 126TTWLS-LEX: (1) 26W Triple Tube lamp.

Model 132TTWLS-LEX: (1) 32W Triple Tube lamp.

Model 142TTWLS-FL-LEX: (1) 42W Triple Tube lamp.

Size: 19 inches (483 mm) length models.

Model 213PLWLS: (2) 13W PL 4-pin lamps.

Model 226QDWLS-LEX: (2) 26W Quad lamps.

Model 226TTWLS-LEX: (2) 26W Triple Tube lamps.

Model 232TTWLS-LEX: (2) 32W Triple Tube lamps.

Model 242TTWLS-FL-LEX: (2) 42 watt Triple Tube lamps.

Model 139BXWLS: (1) 39W Biax lamp.

Size: 25-3/8 inches (645 mm) length models.

Model 222W1WLS: (2) 9W LED modules.

Model 140BXWLS: (1) 40W Biax lamp.

Model 150BXWLS: (1) 50W Biax lamp.

Model 155BXWLS: (1) 55W Biax lamp.

Model 117T-8WLS: (1) 17W T-8 lamp.

Size: 48 inches (1219 mm) length models.

Model 240BXWLS: (2) 40W Biax lamp.

Model 250BXWLS: (2) 50W Biax lamp.

Model 255BXWLS: (2) 55W Biax lamp.

Model 132T-8WLS: (1) 32W T-8 lamp.

1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions including the following:
			1. Install fixtures in proper relationship with adjacent construction and ceiling grid and components.
			2. Install fixtures with clearances recommended by manufacturer.
			3. Install lamps and test for proper operation.
	4. PROTECTION
		1. Protect installed products until completion of project. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION