



12 SERIES

Deep Profile 2X2 Recessed Lens Troffer

Linear T5 or T8 Fluorescent Twin-Tube Compact TT5 Fluorescent

Fixture Type: _____

Job Information: _____

SPECIFICATIONS:

- A deep profile 2X2 recessed fluorescent luminaire. Features heavy-duty construction and a complete menu of available diffusing media, lamping choices, and ballast options. Specify the appropriate combinations for the application and desired performance needed. On request, a 4X4 module available.
- Applications: A broad spectrum of uses in all commercial, retail, and public buildings. Use in office, school, and medical environments. Small, medium, and large rooms illuminate well with evenly spaced 2X2 modules.
- T5 Lamps: Linear 14W-T5 or 24W-HO-T5; two, three, four, or six-lamp cross sections.
- T8 Lamps: Linear 17W-T8; two, three, four, or six-lamp cross sections. U-6"-shaped 32W-T8; two-lamp cross section. U-1-5/8"-shaped 32W-T8; two or three-lamp cross sections.
- TT5 Lamps: Twin-tube compact 40W-TT5, 50W-TT5 or 55W-TT5; two, three, or four-lamp cross sections.
- Housings: Die formed code grade heavy gauge cold rolled steel with ample strengthening embossments. End plates are securely riveted onto the housing. Snap-in type wire-way covers. Socket bars are screwed into housing.
- Door frames: Heavy gauge flush steel frame has mitered-look corners and contains the specified diffusing media. Hinges down from either side of the housing or may be completely removed. Two positive action cam latches hold the frame closed.
- Optional regressed door frames: Extruded aluminum frame has a bold half-inch regression and tightly joined mitered corners for a more architecturally pleasing appearance and finish. Aluminum frame is able to withstand damp locations.
- Finish: Housing finished with a white powder coating applied after fabrication to provide a durable long lasting and highly reflective finish.
- Diffusers and Louvers: See ordering data for complete list of available media. Diffusers include both extruded and injection-molded acrylic types with various specified lighting patterns. Louvers include both plastic and aluminum types with various specified cell sizes and configurations.
- Optional optical reflectors: CAD designed to the corresponding lamping and fabricated from Miro-4 enhanced specular aluminum. Has a 95% reflectivity. (See Series 12-MRT).
- Ballasts T5: Electronic programmed start, normal light output, high power factor. THD less than 10%. Up to 2-lamps per 24W-HO-T5 ballast is standard. Up to 3-lamps per 14W-T5 ballast is standard. Lutron or Advance dimming ballasts as specified. Multi-volt operates a range from 120V-277V, 50HZ-60HZ. Optional dedicated voltages; 120V-60HZ or 277V-60HZ.
- Ballasts T8: Electronic instant start, normal light output, high power factor. THD less than 10%. Up to 4-lamps per ballast is standard. Optional T8 performances; rapid start circuit, high light output, low-watt. Lutron or Advance dimming ballasts as specified. Multi-volt operates a range from 120V-277V, 50HZ-60HZ. Optional dedicated voltages; 120V-60HZ or 277V-60HZ.
- Ballasts TT5: Electronic instant start, normal light output, high power factor. THD less than 10% most ballast/lamp combinations. Up to 3-lamps per 40W ballast, up to 4-lamps per 50W and 55W ballasts. Optional TT5 performances: rapid start circuit. Lutron or Advance dimming ballasts as specified. Multi-volt operates a range from 120V-277V, 50HZ-60HZ.
- A multiple lamp ballast operating the maximum number of lamps is standard. For split circuits and switching specify two-ballast option.
- Emergency battery back up: Integrated pack ranges from 450-lumen output up to 1400 lumens. Varies with lamp type.
- Installations: Designed for recessed installation into NEMA Type G lay-in acoustical grid ceiling systems, 1" grid or 9/16" fine-line grid. For sheet rock ceilings, NEMA Type F applications, add additional flange kit. On request, overlapping flange trim type luminaire available. (See Series 12C). Sufficient knockouts are provided on the back and ends for all electrical connections. A quick wiring access plate is provided. Optional single or dual circuit quick wiring flex.
- Four auxiliary suspension points are provided on the housing as a method of securing to the building structure as required by code.
- UL and CUL listed 1598 and bears their label. Suitable for dry locations or optional damp locations with UL Damp Label. Union made and labeled.



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ORDERING DATA: Fill in boxes below with corresponding bold options.

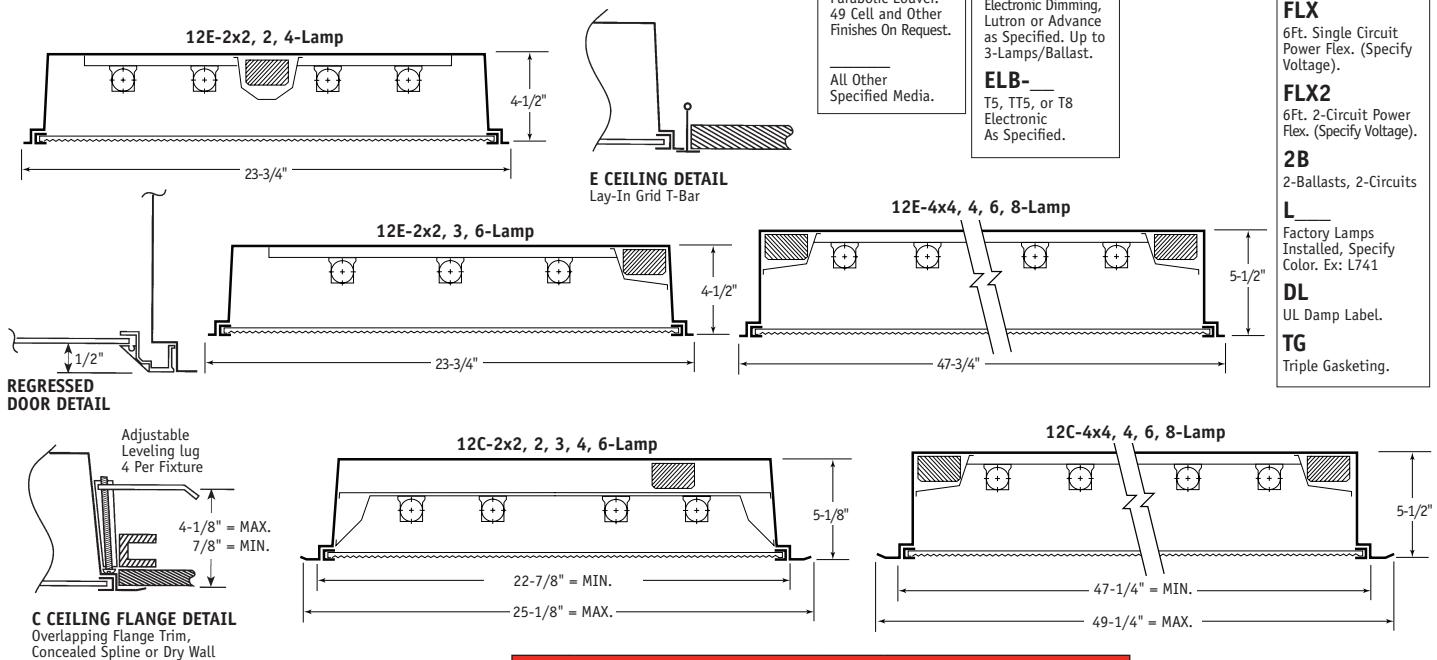
Example: 12E-340-BIAX-9A-ELB-UNI-EMPK/I32

Series	Ceiling Type	Optional Door Frame	No. of Lamps Cross	Lamp Wattage/ Each	Lamp Type	Diffuser/Louver Style	Ballast Type	Voltage	Misc
12 2X2 12 4X4 On Request Only.	E Lay-in Grid, 1" or 9/16". C Overlapping Flange Trim, Concealed Spline or Dry Wall. On Request Only.	Leave Blank for No Option REG Extruded Aluminum 1/2" Regression.	2 Lamps 3 Lamps 4 Lamps 6 Lamps	LINEAR LAMPS 14 14W-T5/2Ft. 24 24W-HO-T5/2Ft. 17 17W-T8/2Ft. U-SHAPED LAMPS 32 32W-T8-U. TWIN-TUBE COMPACT LAMPS 40 40W-TT5/2Ft. 50 50W-TT5/2Ft. 55 55W-TT5/2Ft. Other Lamps as Specified.	T5 Linear T5 HO-T5 Linear High Output T5 OCT Linear T8 OCT-U6 U-6" T8. 2-Lamps Only. OCT-U U-1-5/8" T8. 2- or 3-Lamps Only. BIAX Twin-Tube Compact TT5. 2-, 3-, or 4-Lamps Only.	9A Acrylic Prismatic Clear Pattern #12. 9A.125 Nominal .125" Thick Acrylic Prismatic Clear Pattern #12. K19 Nominal .156" Thick Acrylic Prismatic Clear Pattern #19. 1-FL Acrylic Smooth White. No Pattern. 1-DF Acrylic Smooth White Drop Panel. No Pattern. SPW-3/4 3/4" X 3/4" X 3/8" Sliver Parawedge Plastic Louver. Other Finishes On Request. LSPW 1-1/2" X 1-1/2" X 1" Sliver Parawedge Plastic Louver. Other Finishes On Request. APB3 36 Cell Semi-Specular Aluminum Parabolic Louver. 49 Cell and Other Finishes On Request. All Other Specified Media.	ELB T5 Electronic Programmed Start. Up to 2-Lamps/Ballast 24W-HO-T5. Up to 3-Lamps/Ballast 14W-T5. ELB T8 Electronic Instant Start. Up to 4-Lamps/Ballast. ELBL T8 Electronic Instant Start Low Watt. Up to 4-Lamps/Ballast. ELBH T8 Electronic Instant Start High Light Output. Up to 4-Lamps/Ballast. ELBS T8 Electronic Rapid Start. Up to 4-Lamps/Ballast. ELB T5 Electronic Instant Start. Up to 3-Lamps/Ballast. ELBS T5 Electronic Rapid Start. Up to 3-Lamps/Ballast. ELBD T5, TT5, or T8 Electronic Dimming, Lutron or Advance as Specified. Up to 3-Lamps/Ballast. ELB- T5, TT5, or T8 Electronic As Specified.	UNI T5, HO-T5, T8, TT5 Universal Voltage, Multi-Volt 120V-277V, 50HZ-60HZ. 120V T5, HO-T5, T8, TT5 Dedicated Voltage 120V-60HZ. 277V T5, HO-T5, T8, TT5 Dedicated Voltage 277V-60HZ.	EMPK/ISL28 ISL-28 or Equal 500 Lumens. One 14W-T5 or 24W-HO-T5 Lamp. EMPK/ISL54 ISL-54 or Equal 450 Lumens. One 14W-T5 or 24W-HO-T5 Lamp. EMPK/ISL540 ISL-540 or Equal 700 Lumens. One 14W-T5 or 24W-HO-T5 Lamp. EMPK/I32 I-32 or Equal 500 Lumens. One 17W-T8 or 32W-T8-U Lamp. One 40W-TT5 Lamp. EMPK/I48 I-48 or Equal 700 Lumens. One or Two 17W-T8 or 32W-T8-U Lamps. One 40W-TT5, 50W-TT5 or 55W-TT5 Lamp. EMPK/I320 I-320 or Equal 1350 Lumens. One 14W-T5 or 24W-HO-T5 Lamp. One or Two 17W-T8 or 32W-T8-U Lamps. One 40W-TT5, 50W-TT5 or 55W-TT5 Lamp. EMPK/I232 I-232 or Equal 1400 Lumens. Two 17W-T8 or 32W-T8-U Lamps. FLX 6Ft. Single Circuit Power Flex. (Specify Voltage). FLX2 6Ft. 2-Circuit Power Flex. (Specify Voltage). 2B 2-Ballasts, 2-Circuits L Factory Lamps Installed, Specify Color. Ex: L741 DL UL Damp Label. TG Triple Gasketing.

PHOTOMETRICS:

Reports available upon request.

DIMENSIONAL DATA/CROSS SECTION:



12C CEILING OPENINGS

MIN =	Minimum Ceiling Opening 2X2 22-7/8" X 24-1/4" 4X4 47-1/4" X 48-1/4"	MAX =	Maximum Ceiling Opening 2X2 25-1/8" X 26-3/8" 4X4 49-1/4" X 50-1/2"
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