

## LUMENTALK FAQ

1. Can Lumentalk be used on 120V and 277V?
  - a. Yes. Lumentalk accepts all voltages 100VAC – 277VAC.
2. Where do you install the Lumen Translator?
  - a. The Lumen Translator comes pre-installed in a junction box that can be mounted in a surface or recessed configuration, either locally or remotely. This can be installed in a wall box within proximity of the fixtures or near the electrical panel. The location of installation is highly flexible and is based around the access requirements of the user.
3. Does voltage pass through the Lumen Translator?
  - a. Only low voltage (24V) passes through the Lumen Translator to power the device. The Lumen Translator must be connected to line voltage power for communication (data), but this line voltage does not “pass through” the device itself.
4. Does the Lumen Translator have to be accessible?
  - a. Yes, as there is an input receptacle for connecting to the commissioning device (Lumen ID)/ software.
5. Is there a maximum distance between the Lumen Translator and the fixtures?
  - a. It would be the same limitation as the circuit as it applies to voltage drop
6. Is there a maximum distance between the Lumen Translator and the front end controller?
  - a. 300 feet is the maximum distance.
7. How many addresses can one Lumen Translator handle?
  - a. DMX - 512 addresses
  - b. Dali – 64 addresses
  - c. 0-10V - 1 Address - unlimited fixtures
  - d. ELV - 1 Address - unlimited fixtures
  - e. TRIAC - 1 Address - unlimited fixtures

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8. How is installation and programming of Lumentalk handled? Does LSI supply a technician? Who does this and what is the process?
  - a. If the project has an integrator they would most likely handle all aspects of commissioning and programming
  - b. However, LSI can coordinate a technician for commissioning. Pricing is based by day rate.
9. Is the Lumen ID only used when programming the fixtures?
  - a. Yes, the Lumen ID is used when commissioning/ addressing the fixtures.
10. Which LSI fixtures are Lumentalk enabled?
  - a. LP series and all LumeLEX series fixtures with the exception of the LumeLEX 2030 and LumeLEX 2031.
11. Do you have to assign an address to every fixture?
  - a. All fixtures come from the factory assigned as address one. Fixtures can be commissioned to have individual addresses or group configured addresses as needed per application during commissioning.
12. Can fixtures be specified to be shipped from the factory already addressed/ commissioned?
  - a. Yes, there would be added cost and added lead time.
13. If a fixture is moved from one location to another do you need to re-address/ commission these fixtures?
  - a. The fixture will maintain programming no matter where it is moved so long as it is connected to the same Lumen Translator.

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14. Who is responsible for re-commissioning these fixtures?
  - a. The owner.
15. What is the benefit of using Lumentalk instead of simply dimming the track using a traditional method?
  - a. Unlike a system that interacts with an entire section of track, Lumentalk allows dynamic control of individual fixtures along the track sending the control commands over existing power lines eliminating the need for additional wiring to be run. This applies to dynamic controls such as Dali and DMX.
16. Do you need a programmer to use the software or is it easy to learn and use by others?
  - a. No, a programmer is not necessary as the software program is easy to learn.
17. What kind of applications would Lumentalk be used for?
  - a. Most any application that needs more sophisticated control beyond what a 2 wire dimming set up can offer.
18. Can you add other non-LSI fixtures to the LSI track system and send a DMX signal to them?
  - a. Consult factory.
19. Where is the Lumen Translator signal going?
  - a. The signal is overlaid on top of the 120V 60 Hz power signal. The Lumentalk signal is digital high frequency with a much higher frequency than the 60 Hz carrier to avoid interference.
20. Are there any interfaces that do not work with Lumentalk?
  - a. Lumentalk will work with any interface that outputs one of the acceptable signals (0-10, DMX, PWM, TRIAC, ELV, and Dali). At this time certain proprietary control types may not be supported.
21. Can the Lumentalk commissioning be self-addressing?
  - a. Not at this time.

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22. Is there a contact closure in the system or is there still always power going to and through the fixtures even when they are at 0%?
- The Lumen Ear itself consumes 5-10W just listening for the signal. So even when the fixture is at 0% it is still drawing 5-10W.
23. Are these fixtures Safety Agency listed?
- Yes
24. Can the same DMX controller be used to control both Lumentalk enabled fixtures and DMX fixtures/ systems?
- Yes
25. What voltage do all the components need (Lumen Translator, Lumen Link, Lumen ID)?
- Line voltage
26. How many of each of the components do you need per system?
- Depending on the application and complexity of needs. Most applications can be satisfied with one of each of the hardware components (Lumen Translator, Lumen Link and Lumen ID).