

DALI fluorescent (FL) dimming has been around in Europe for a number of years and DALI is now considered “the” architectural dimming standard in Europe. DALI is gaining popularity worldwide and industry standard DALI ballasts and controls are now available from multiple manufacturers. Traditionally, DALI has mostly been used for building wide control of FL lighting for energy management purposes. However, the application of DALI for architectural dimming offers many advantages over conventional FL, LED and incandescent dimming technologies.

DALI offers:

- all of the control features.
 - half of the installed cost.
 - greater capabilities than traditional systems.
 - industry standard dimming and control devices.
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- A wide range of low cost DALI controls are available from multiple major manufacturers ranging from inexpensive single gang wall mount controls to full color LCD touch screen systems.
 - FL dimming ballasts, LED dimmers and Incandescent dimmers are now all available as DALI devices.
 - In most cases, DALI dimming ballasts are the least expensive 1% ballasts available and DALI is the only non-proprietary 1% FL dimming technology in North America.
 - **NO DIMMING CABINETS!** All of the power control is done in the FL ballast, LED or incandescent dimmer module.
 - **NO SEPARATE DIMMING CIRCUITS!** All DALI dimmers can be controlled individually even though they may be wired on a single circuit. This is due to the addressable control technology of DALI. This also means no separate or oversized neutrals required.
 - **FAST RECONFIGURATION!** Since all DALI devices are individually controllable from a single circuit, re-configuring an existing installation is a snap. Just a few button presses are required to re-address a room – then you are done! Compare that to reconfiguring a hardwired system.
 - DALI interfaces are available to communicate with existing 0-10V dimmers, DMX-512 dimmers and AV applications.
 - DALI room partition controls are simple to implement and are very low cost.
 - DALI has the ability to report lamp use data which greatly aids in energy management planning.
 - Retrofits are simple with DALI since the 1200 baud DALI communication protocol allows the existing control wiring to be re-used in most cases.
 - The DALItalkerV (DT5) DALI to DMX interface by Luella Enterprises allows industry standard DALI controls to control both DALI and DMX dimming systems using only the DALI controls.

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Luella Enterprises are lighting control system specialists based in western Canada.