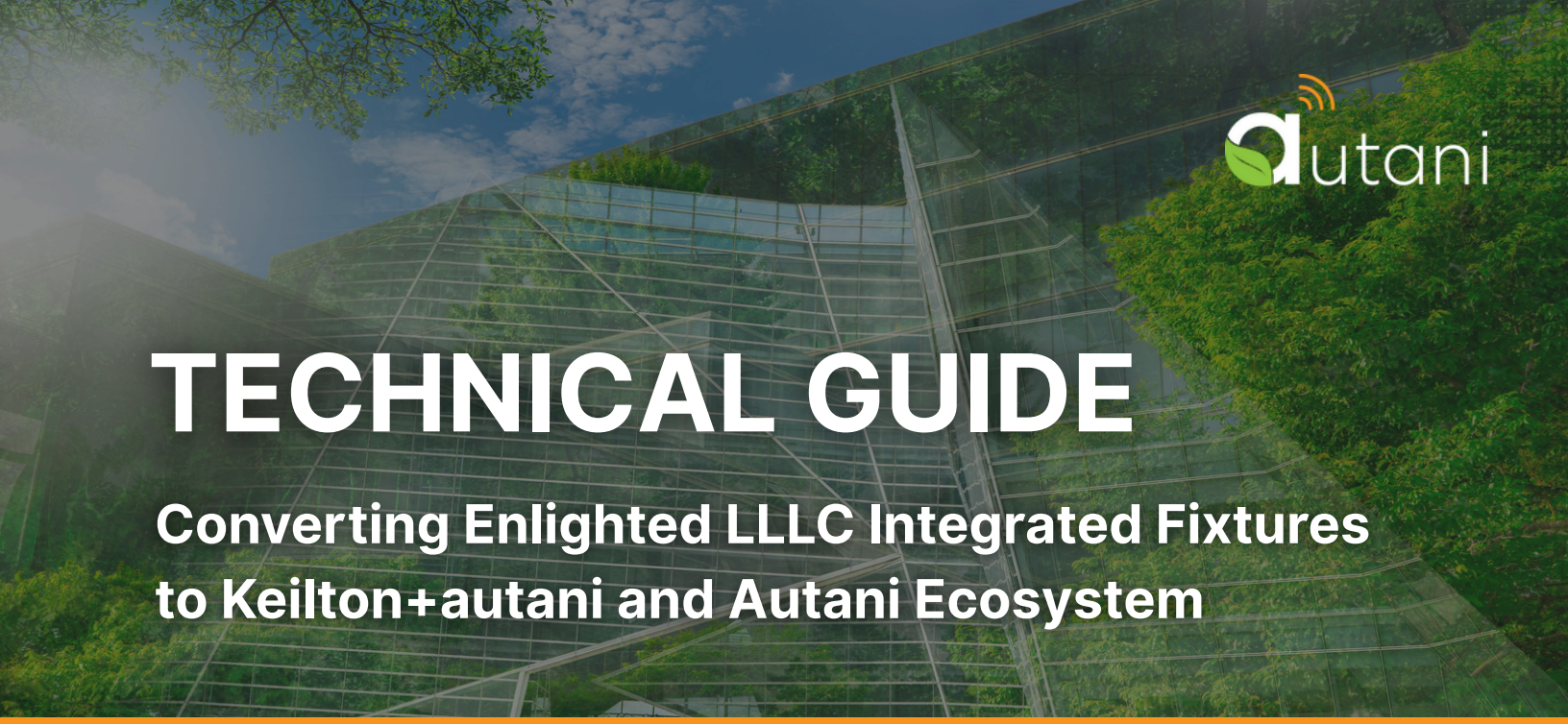


TECHNICAL GUIDE

Converting Enlighted LLLC Integrated Fixtures to Keilton+autani and Autani Ecosystem

Keep Your Fixtures | Upgrade Your Controls | Save on Costs

Background

Many facilities using Enlighted controls (CU3/CU4, CBL7F, SU5E sensors) are left unsupported due to Enlighted's shutdown. Rather than expensive fixture replacement, our conversion process allows you to:

- ☑ Keep existing fixtures
- ☑ Remove Enlighted controls
- ☑ Install Keilton+autani controls
- ☑ Reuse existing wiring—reducing labor costs

Strategic Approach

Simplify & Future-Proof

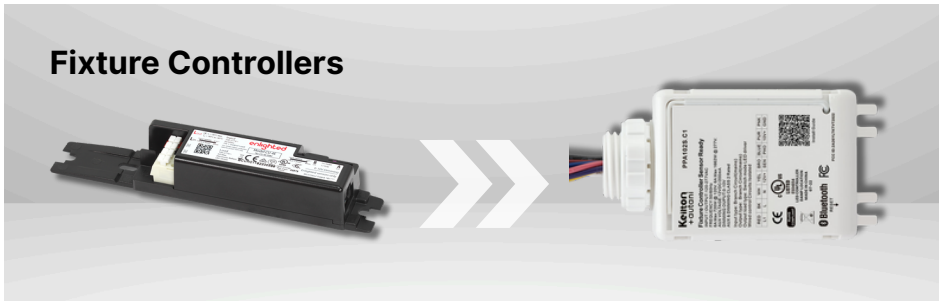
From Enlighted's LLLC sensor-per-fixture approach to KPA's controller-per-fixture + area-based sensing

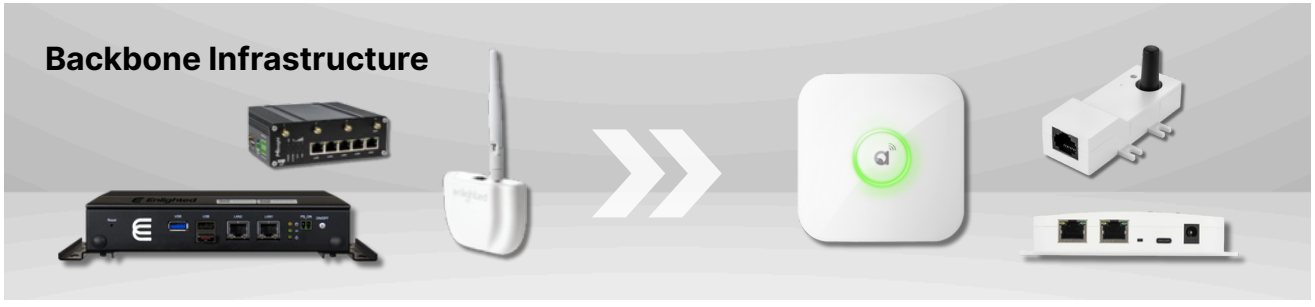
- Reuse CAT5 wiring to save on labor costs
- Modernize system to meet energy codes and rebate programs
- Supported, scalable solution with ongoing updates

COMPONENT MAPPING

Enlighted Component	Autani Replacement	Action
CU3/CU4 Controllers	PPA102S.C1	Replace & Rewire
SU5E Sensors	IFS105E or IFS108E	New Installation
WS-02-00 Switches	WP1013.A0, WP1025 or WP108 Series	Direct Replacement
EM-02/03, GW-1, Router	Manager + RTR + CR05	Backbone Upgrade
CAT5 Infrastructure	Reuse Existing	No Change Required

VISUAL GUIDE: COMPONENT REPLACEMENTS





6-STEP CONVERSION PROCESS

1 Mount New Fixture Controller

- Mount the PPA102 controller on the outside of the fixture's channel box using the knockout opening (use top knockout if ceiling tile exceeds 1" thickness).

2 Rewire Fixture

- Open the driver box, and rewire the fixture to PPA102S.C1.
- Abandon the CU and SU in place (leave disconnected).
- The fixture is now powered and controlled by the Autani PPA102.

3 Install Sensors

- Corner mount sensor: IFS105E or IFS108E + PPA102.F1 (power supply)
- Ceiling sensor: EFS107E + PPA102.F1 (power supply)

4 Replace Wall Switches

- Swap Enlighted battery switch (WS-02-00, CR2032 battery) with WP1013.A0:

→ Compatible as battery (CR2032) OR wired 120/277V

5 Replace Backbone Components

- Replace Enlighted EM-02/03, GW-1 components with Autani components:

→ Manager + RTR + CR05

ICost advantage: Reuse existing CAT5 topology to minimize labor and rewiring costs.

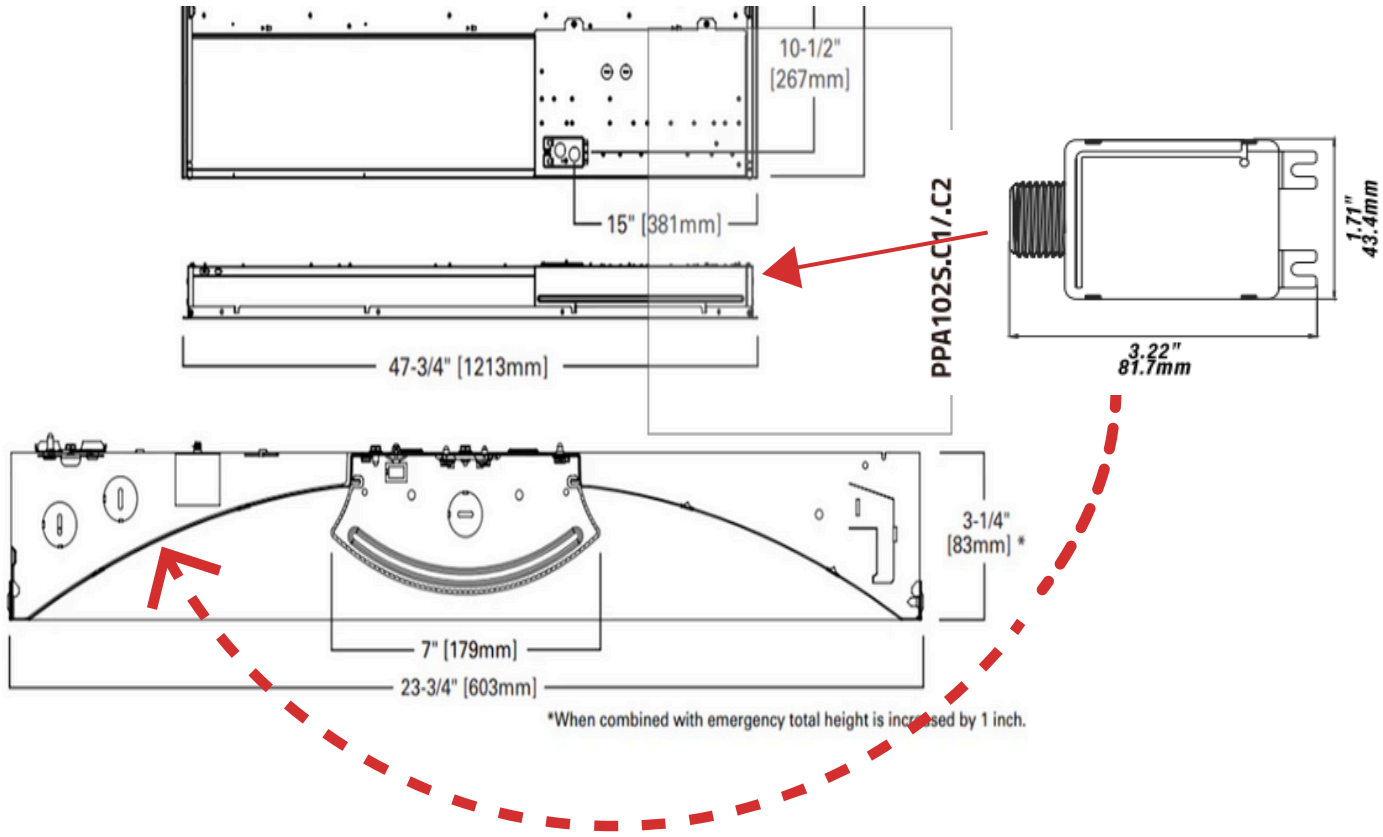
- The new backbone integrates fixture-based controllers with area-based sensors for occupancy detection and daylight harvesting.

6 Program the System

- Configure system based on owner's programming and automation requirements.
- If owner consultation is unavailable, reference existing engineering drawings (E-series sequence of operations).

LLLC CONVERSION TYPICAL SCHEMATIC

The diagram below shows typical LLLC fixture conversion, with the PPA102 controller mounted externally on the fixture's channel box.



Key Owner Benefits

- **Keep fixtures** — avoid replacement cost
- **Supported, scalable solution**
- **1:1 backbone replacement** = minimal disruption
- **Flexible switch options** (battery or wired)
- **Reuses CAT5** — reduces installation labor and cost
- **Expert install + commissioning support**

TIMELINE & INVESTMENT

Most LLLC conversions follow this proven timeline, customized to minimize disruption to your operations:

Project Phase	Duration	Key Activities
Assessment	1-2 days	Site survey, component inventory, wiring assessment
Planning	3-5 days	System design, component ordering, scheduling
Installation	1-3 weeks	Component replacement, rewiring, testing
Commissioning	2-3 days	Programming, optimization, training

Ready to Convert Your Enlighted System?

Let's discuss your conversion. Our Enlighted migration specialists are ready to create a custom solution for your facility.

Call: 443-320-2233
Email: support@autani.com

What We Need to Get Started:
- Current Enlighted system documentation
- Fixture count and types
- Preferred timeline for conversion