

TECHNICAL GUIDE

Converting Enlighted Zone/Area-based Strategy 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 proven 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 Zone/Area-based 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 or PPA104S.B1	Replace & Rewire
SU5SE Sensors	IFS107E or MS107 + PPA102.F1 or PPA104S.B1	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



Fixture Controllers



Sensors



Wall Switches



Backbone Infrastructure



6-STEP CONVERSION PROCESS

1

Mount New Controller

- Locate the existing Enlighted CU controller and assess power requirements. The CU is a 5-amp controller; our PPA102 is a close match at 6 amps.
- Mount the PPA102S.F1 or PPA104S.B1 on the junction box serving the fixtures.

2

Replace & Rewire Controller

- Open the junction box feeding the fixtures.
- Remove the CU controller (typically inside the box unless it's a newer nipple-mount version). Retain for spare parts or dispose properly.
- Replace the CBL cable with new CAT5 cable to connect the KPA sensor. Alternative: Use the battery-powered BCS107 sensor.

3

Install Sensors

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

Installation:

- Connect the sensor to the CAT5 cable, linking it to the PPA104 controller.
- To daisy-chain multiple sensors to one controller, use the RTP coupler.

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Replace Wall Switches

- Replace the Enlighted battery switch (WS-02-00) with WP1013.A0.
- **Flexibility:** New switch supports battery (CR2032) or wired (120/277V) operation.

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Replace Backbone Components

- Replace Enlighted backbone (EM-02/03, GW-1) with Autani components: Manager + RTR + CR05.
- **Cost 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.

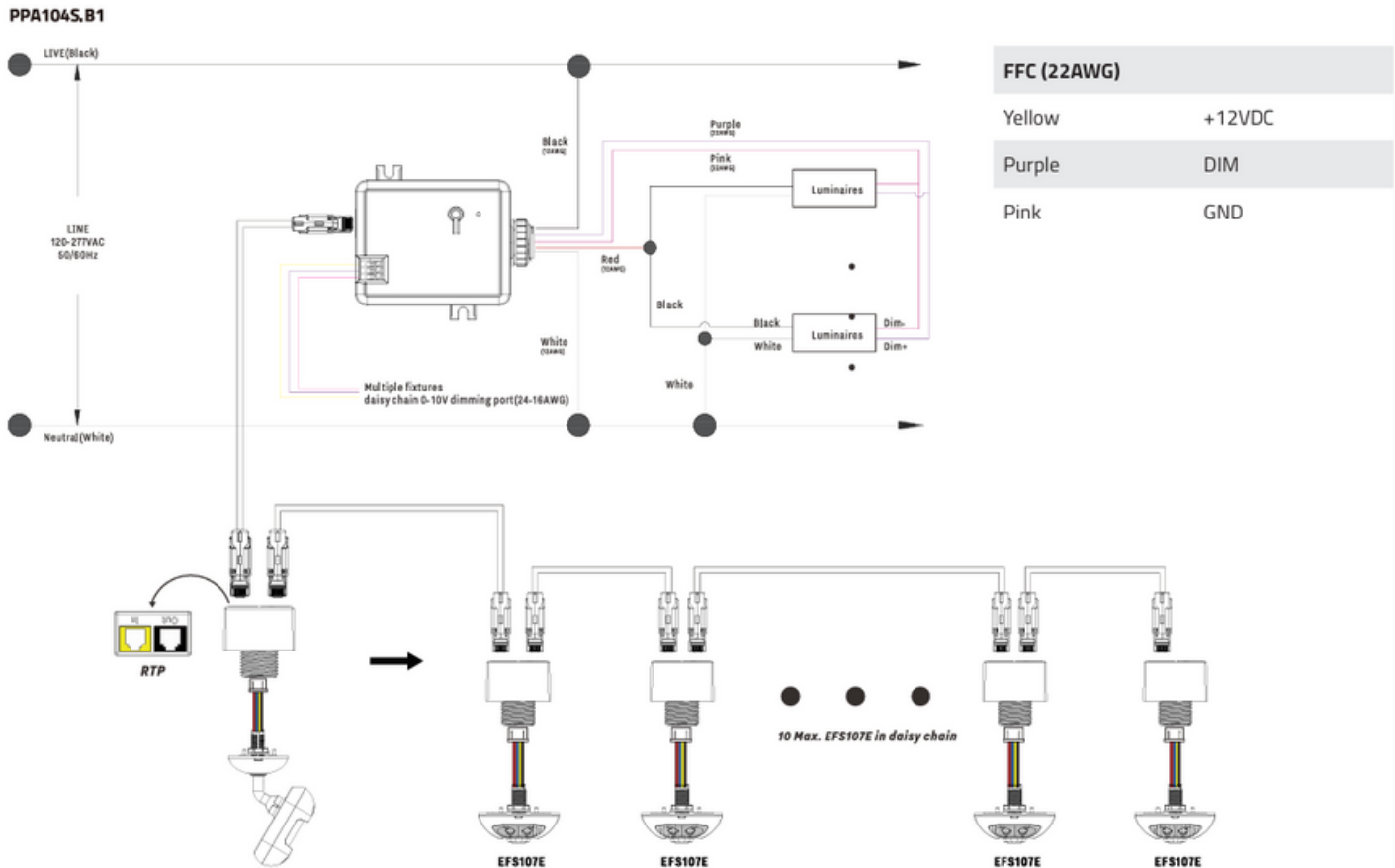
6

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).

AREA/ZONE TYPICAL SCHEMATIC

The diagram below illustrates a typical area/zone configuration, showing how Autani components integrate seamlessly with your existing infrastructure.



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 conversions follow this proven timeline, though we'll customize the schedule 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