

Avi-on Lighting Controls: 4-Steps to Project Startup to Close-Out

<p><i>Step 1</i> Host Pre-Wire Training</p> <ul style="list-style-type: none">→ Review wiring diagrams→ Verify driver compatibility→ Practice ZoneScanning→ Plan to disable legacy controls			
<p>2</p>	<p><i>Step 2</i> Electrician delivers site ZoneScanned & powered</p> <ul style="list-style-type: none">→ Disable or bypass old sensors, switches, contactors, BMS, EMS→ Install LTE Bridge	<p><i>Step 3</i> Commission Avi-on room-by-room</p> <ul style="list-style-type: none">→ Follow Avi-on Mobile App or Avi-on Pro Checklists	
			<p><i>Step 4</i> Close out project</p> <ul style="list-style-type: none">→ Validate control settings→ Keep or remove LTE Bridge→ Verify old controls are disabled→ Connect BACnet, OpenADR, lock-down, energy data, SSO, Floorplan View

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Avi-on Lighting Controls: Project Manager's 2-Page Checklist

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I. Host Pre-Wire Training



Document order of operations; teach wiring, fixture assembly, & ZoneScanner



A. Pre-schedule startup and training with *Qualified Local Partner*, or with Avi-on at [Avi-on.com/Contact](#)

- a. Review controls wiring diagrams at [Avi-on.com/Resources](#) →
- b. Review high- and low-voltage wire colors →
- c. Review emergency lighting UL 924 regs, Title 24, and other code or utility regulations →
- d. Create controls layout & document order of operations
- e. **Disable or bypass legacy controls to ensure continuous power to Avi-on devices. Remove old occupancy sensors, wall stations, contactors, key switches, and BMS/EMS systems**



[Avi-on.com/Contact](#)



[New Acct. or Location](#)



[Avi-on.com/Resources](#)



[New UL 924 Regs](#)



[NEW Wire Colors](#)

B. In-fixture controls? Teach fixture assembler how to wire/test

- a. Using LVFAs? Verify dim-to-off drivers PLUS AUX power is OK
- b. Assemble AND test controls with fixtures: 1-channel (on/off/dim) v. 2-channel (CCT or warm/cool) → → →
- c. ← Teach assembler to put *Avi-on QR stickers* on top of fixtures



[LVFA Dim-to-Off Qualification](#)



[Fixture Assembly Checklist](#)









C. In-fixture controls -or- more than 20 devices? *ZoneScan*→*Install Controls*→*Power*

- a. Use *Avi-on Mobile Commissioning App* or *Avi-on Pro* to download & setup *ZoneScanner Tool*; invite electricians to *ZoneScanner*
- b. Help electricians download *ZoneScanner Tool*; practice scanning Avi-on QRs + assigning zones; name devices w/ MAC address



[Zone-Scanner Guide](#)

Avi-on: Project Manager's 2-Page Checklist (Page 2)

<p>II. Deliver Site Fully Powered</p> <p><i>ZoneScanned, powered, with operating LTE Bridge</i></p>	 <p>A. Set up <u>Avi-on LTE Bridge</u> as soon as the site has power. The <i>Avi-on LTE Bridge</i> enables remote Avi-on technicians to assist the electrician in resolving power, wiring, and fixture issues while the electrician is still at the site → → →</p>	 <p>Install LTE Bridge</p>	
	<p>B. Electricians use the <u>Avi-on ZoneScanner</u> from the project's start to install controls and assign them to zones → → →</p>	 <p>Zone-Scanner Checklist</p>	
	<p>C. Power site, fixtures, and controls: use <i>Electrician's Checklist</i> to troubleshoot wiring and fixtures → → →</p>	 <p>Electrician's Checklist</p>	
<p>III. Commission Controls</p> <p><i>Make final adjustments</i></p>	<p>A. Initiate scheduled startup & commissioning → → →</p> <p>a. Avi-on Paid Remote Startup: schedule at Avi-on.com/Contact</p> <p>b. Qualified Local Partner Startup: commission project using <i>Mobile App</i> or <i>Pro App</i> (partner startup = partner does support)</p>	 <p>Mobile Startup Guide</p>	 <p>Qualified Pro Startup Checklist</p>
	<p>B. Request optional services at Avi-on.com/Contact (energy, OpenADR, or BACnet)</p> 		
<p>IV. Close Out</p> <p><i>Verify legacy controls are OFF</i></p>	 <p>A. Host customer walk-thru; send close-out notice</p> <p>B. Keep <u>OR</u> remove the <i>LTE Bridge</i></p> <p>a. Keep <i>LTE Bridge</i> for ongoing cloud services & support (option: move to Ethernet to save cell charges)</p> <p>b. Remove <i>LTE Bridge</i> for no ongoing services or support (partner-led startup = partner-led support)</p>		