

 LIGHTING CONTROLS SPECIFICATION GUIDE

GENERAL INFORMATION

- 1.1 This document is a supplement to the [26 09 23 - LIGHTING CONTROLS](#) and it is not meant to be used as a standalone document.
- 1.2 **Preferred products shown in bold.** The model numbers listed are for devices which are used extensively across campus. Projects, particularly lighting retrofit projects, may encounter unique situations where a design requirement exemption is required. In these cases must be requested in writing and submitted to Columbia Facilities Energy and Engineering prior to the Schematic Design submission for approval. Ensure the non-standard device is compatible with the preferred lighting control manufacturer and system.
- a. Preferred Lighting Control Manufacturer & System
 - i. **Lutron Vive**
 - b. Centralized Lighting Management System
 - i. **Vive Vue**
 - c. Hub Device
 - i. **Lutron HJS-0-FM, HJS-1-FM, HJS-2-FM**
 - d. Switching and control relays
 - i. Switching: **Lutron RMJS-5R-DV-B, RMJS-16R-DV-B**
 - ii. Dimming (0-10V): **Lutron RMJS-8TN-DV-B, FCJS-010**
 - iii. Dimming (Phase): **RMJS-PNE-DV**
 - e. Occupancy Sensor
 - i. **Wireless PIR**
 - 1. Ceiling: LRF2-OCR2B-P-WH
 - 2. Wall: LRF2-OWLB-P-WH (smaller footprint rooms)
 - 3. Corner: LRF2-OKLB-P-WH
 - 4. Hallway: LRF2-OHLB-P-WH
 - ii. Wired Dual-Technology
 - 1. Ceiling: Lutron LOS-CDT-500-WH, LOS-CDT-1000-WH, LOS-CDT-2000-WH
 - 2. Wall: Lutron LOS-WDT-WH
 - 3. Must be wired to Lutron RMJS-OT-DV occupancy transmitter for control and power
 - a. RMJS-OT-DV occupancy transmitter
 - i. Wireless communication with switching and control relays
 - ii. Line-voltage
 - iii. Wall-box PIR Sensor-Switch: Lutron MS-OPS6M2-WH
 - 1. Only used where manual dimming is not required
 - 2. Integral switching and control relay

- 3. Line-voltage power
- iv. Wall-box Dual-Technology Sensor-Switch: Lutron MS-A102-WH
 - 1. Only used where manual dimming is not required
 - 2. Integral switching and control relay
 - 3. Line-voltage power
- v. Fixture-Integrated: Lutron DFCSJ-OEM-OCC
- f. Vacancy Sensor
 - i. **Wireless PIR**
 - 1. Ceiling: LRF2-VCR2B-P-WH
 - 2. Wall: LRF2-VWLB-P-WH (smaller footprint rooms)
 - 3. Corner: LRF2-VKLB-P-WH
 - 4. Hallway: LRF2-VHLB-P-WH
 - ii. Wired Dual-technology
 - 1. Ceiling: Lutron LOS-CDT-500-WH, LOS-CDT-1000-WH, LOS-CDT-2000-WH
 - 2. Wall: Lutron LOS-WDT-WH
 - 3. Must be wired to Lutron RMJS-OT-DV occupancy transmitter for power and control
 - a. RMJS-OT-DV occupancy transmitter
 - i. Wireless communication with switching and control relays
 - ii. Line voltage
 - iii. Wall-box PIR Sensor-Switch: Lutron MS-VPS6M2-WH
 - 1. Only used where manual dimming is not required.
 - 2. Integral switching and control relay
 - 3. Line-voltage power
 - iv. Wall-box Dual-Technology Sensor-Switch: Lutron MS-A102-V-WH
 - 1. Only used where manual dimming is not required.
 - 2. Integral switching and control relay
 - 3. Line-voltage power
 - v. Fixture-Integrated: Lutron DFCSJ-OEM-OCC
- g. Daylight Sensor
 - i. **Standalone: Lutron LRF2-DCRB-WH**
 - ii. Fixture-Integrated: Lutron DFCSJ-OEM-OCC
- h. Light Switch
 - i. **PICO Wireless Control**
 - 1. Switching: Lutron PJ2-2B-GWH-L01
 - 2. Dimming: Lutron PJ2-3BRL-GWN-L01
 - 3. If the program requires Scene Control, reach out to the Project Manager.
 - ii. Wall-box Switch: Lutron MRF2S-8S-DV-WH Maestro
 - 1. Integral switching and control relay
 - 2. Line-voltage power

- iii. Wall-box Dimmer (Phase): Lutron MRF2S-6CL-WH Maestro Dimmer
 - 1. Integral switching and control relay
 - 2. Line-voltage power
- iv. PICO Wireless Control
 - 1. Switching: Lutron PjL-2B-GWH-L01
 - 2. Dimming: Lutron PjL-3BRL-GWH-L01
 - 3. Line-voltage Power

END OF SECTION