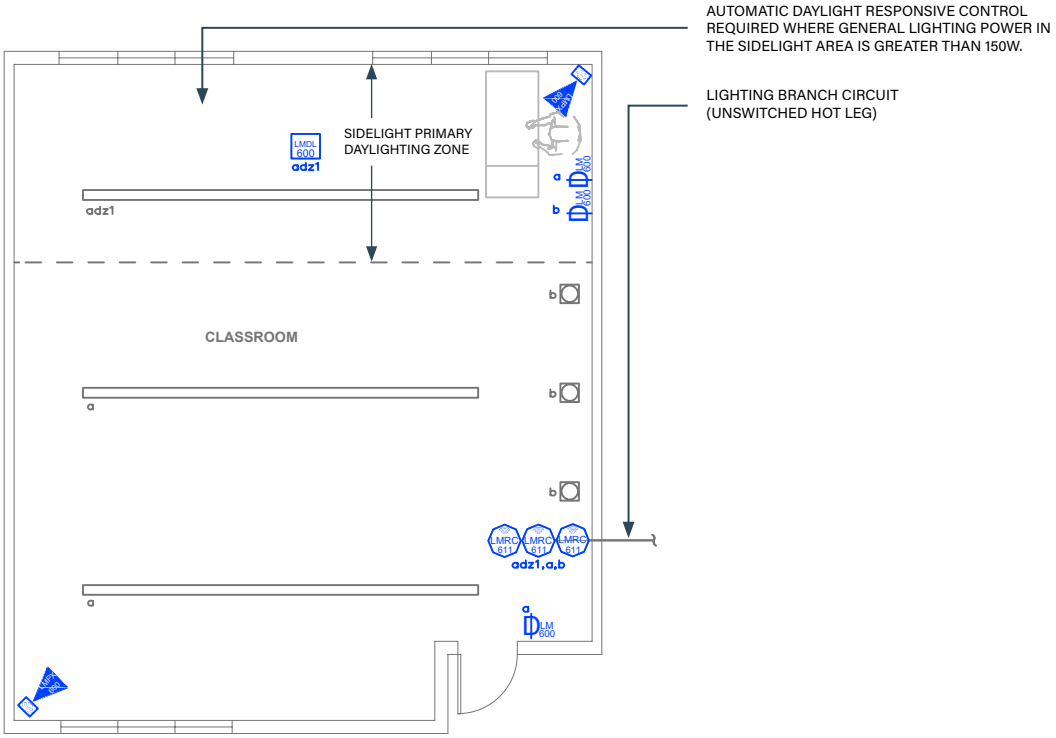
CLASSROOM

Dimming with Wireless DLM Product



Wired

Wireless

SEQUENCE OF OPERATIONS

1. General lighting (a, adz1) auto On to 50% when occupancy detected.
2. Manual On/Off/Dim and light reduction control of general lighting (a, adz1) with dimmer switches.
3. Manual On/Off/Dim white board lighting (b) with dimmer switch.
4. Lighting in daylight zone (adz1) will continuously dim based on daylight contribution to maintain at least 35FC at task level.
5. Auto Off all lighting within 20 minutes of occupants leaving.

DESIGN CONSIDERATIONS

- Time scheduling and remote programming functions are enabled by connectivity through using a LMBR-650 Border Router.
- To integrate occupancy detection control with the HVAC system, use contact outputs on the LMRC-611MCC.
- Although not required by 2018 IECC, receptacle control can be added to this space for additional energy savings using the wireless LMPL-611-20M Plug Load Room Controller.
- System Configuration Tools:
  - Standalone rooms use the configuration application (Apple or Android)
  - Networked rooms (with the LMBR-650) can be configured using LMCS-100.

BILL OF MATERIALS

PART NO.	QTY	DESCRIPTION
LMRC-611MCC	3	Wireless 1-Relay Room Controller, 0-10V Dimming Metering, Contact Closure
LMPX-600	2	Wireless PIR Corner/Wall Occupancy Sensor, Wide Lens
LMDM-601	3	Wireless 1-Button Dimming Switch
LMDL-600	1	Wireless Photosensor, Open Loop
OPTIONAL		
LMPC-600-RPM		Recessed Plenum Mounting Kit

CODE REQUIREMENTS

C405.2.1	Occupancy Sensor Controls
C405.2.1.1	Manual On / Partial Auto On
C405.2.2.2	Light Reduction Controls
C405.2.3	Daylight Responsive Control
C405.2.4	Specific Application Lighting
C405.2.5	Manual Controls

2018 IECC COMPLIANT