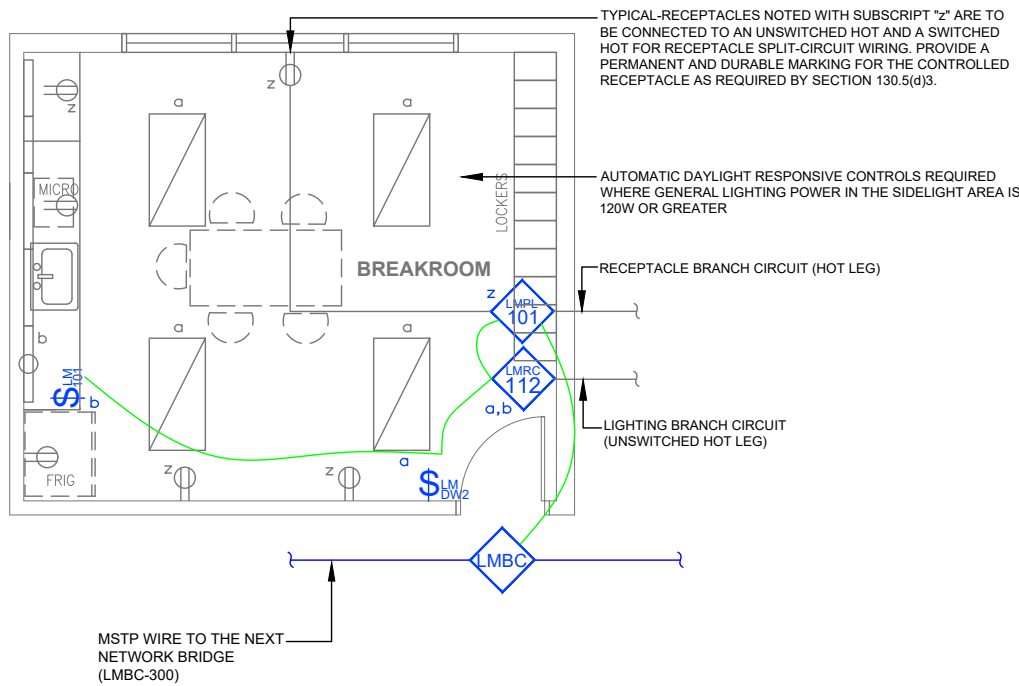


# Breakroom/Kitchen

Dimming with Wired DLM product



- Component
- Wired
- Hybrid
- Wireless

## SEQUENCE OF OPERATIONS

1. Lighting (a) auto On to 50% and controlled receptacles auto On when occupancy detected.
2. Manual On/Off/Dim of general lighting (a) with wall switch occupancy sensor.
3. Manual On/Off control under cabinet lighting (c) with switch.
4. Auto off all lighting and controlled receptacles within 20 minutes of occupants leaving.
5. A network demand response signal will reduce lighting level by a minimum of 15% of total lighting power.

## DESIGN CONSIDERATIONS

- Receptacle control can be designed using either an RF transmitter with receptacle RF receivers, or can be hardwired to receptacles using an LMPL-101 Plug Load Room Controller.
- A ceiling or corner mount occupancy sensor can be used instead of the wall switch occupancy sensor for larger rooms or to achieve a more specific area of occupancy detection coverage.
- Demand Response, time scheduling and remote programming functions are enabled by the LMBC-300 Network Bridge connectivity. If Demand Responsive 15% lighting power reduction (Title 24 110.12(c)) for this space is offset by more aggressive light reduction in other spaces, connection to the lighting control network may not be necessary, thereby not requiring the LMBC-300 Network Bridge and associated network wiring.
- To integrate occupancy detection control with the HVAC System, use a LMRL-100 Isolated Relay Interface.

## BILL OF MATERIALS

LMRC-112 (1)	2-Relay Room Controller, 0-10V Dimming
LMDW-102 (1)	2-Button Dual Tech Wall Switch Occupancy Sensor
LMSW-101 (1)	1-Button Digital Wall Switch
LMPL-101 (1)	Plug Load Room Controller
LMBC-300 (1)	Wired Network Bridge
LMRJ-03 (1)	3' CAT5 Cable
LMRJ-15 (2)	15' CAT5 Cable
LMRJ-25 (1)	25' CAT5 Cable

## CODE REQUIREMENTS

130.1(a)1-3	Area Controls
130.1(b)	Multi-Level Controls
130.1(c)5	Occupancy Sensor Shut-Off Controls
110.12(c)	Demand Responsive Controls
130.5(d)	Receptacle Control