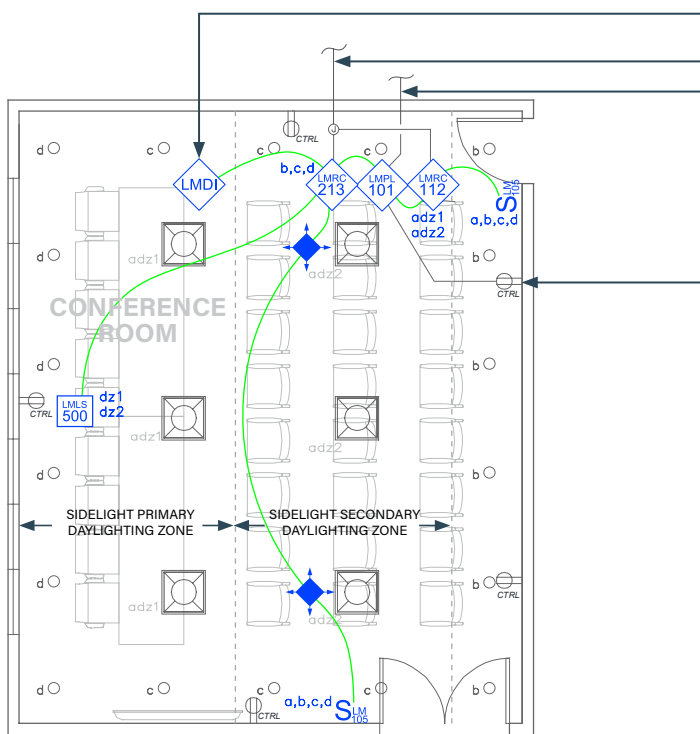




CONFERENCE ROOM

Dimming with Wired DLM Product



SERIAL DATA INTERFACE TO CONNECT THIRD PARTY SYSTEMS SUCH AS AV EQUIPMENT, SHADE CONTROLS ETC.
 LIGHTING BRANCH CIRCUIT (UNSWITCHED HOT LEG)
 RECEPTACLE BRANCH CIRCUIT (HOT LEG)

TYPICAL-ALL RECEPTACLES IN THE ROOM ARE TO BE CONNECTED TO AN UNSWITCHED HOT AND A SWITCHED HOT FOR RECEPTACLE SPLIT-CIRCUIT WIRING. PROVIDE A PERMANENT AND DURABLE MARKING FOR THE CONTROLLED RECEPTACLE AS REQUIRED BY NFPA 70 SECTION 406.3(E).



Wired



Wireless

SEQUENCE OF OPERATIONS

- General lighting (a, adz1, adz2) auto On to 50% and controlled receptacles auto On when occupancy detected.
- Manual On/Off/Dim control of general lighting (a, adz1, adz2) and down lighting (b, c, d) with scene switches.
- Scene settings
 - a. General Lighting: (a, adz1, adz2) 100%, (b) 0%, (c) 0%, (d) 0%
 - b. Projection: (a, adz1, adz2) 0%, (b) 75%, (c) 50%, (d) 0%
 - c. Conferencing: (a, adz1, adz2) 50%, (b) 50%, (c) 25%, (d) 50%
 - d. All Off: (a, adz1, adz2) 0%, (b) 0%, (c) 0%, (d) 0%
- Lighting in primary (adz1) and secondary (adz2) daylight zones will continuously dim based on daylight contribution to maintain at least 35FC at task level.
- Auto off all lighting, controlled receptacles, A/V systems within 20 minutes of occupants leaving.

DESIGN CONSIDERATIONS

- Time scheduling, demand response and remote programming/diagnostic functions are enabled with installation of the LMBC-300 Network Bridge or LMBC-650 Wireless Bridge for system connectivity.
- Automatic receptacle control can be designed using either an RF transmitter with receptacle RF receivers, or hardwired receptacles using an LMPL-101 Plug Load Room Controller.
- To integrate occupancy detection control with the HVAC System, use a LMRL-100 Isolated Relay Interface.

BILL OF MATERIALS

PART NO.	QTY	DESCRIPTION
LMRC-213	1	3-Relay Room Controller, 0-10V Dimming
LMRC-112	1	2-Relay Room Controller, 0-10V Dimming
LMDC-100	2	Ceiling Mount Dual Tech Occupancy Sensor
LMSW-105	2	5-Button Scene Switch
LMLS-500	1	Photosensor, Open Loop
LMPL-101	1	Plug Load Room Controller
LMDI-100	1	Serial Data (A/V) Interface
LMRJ	A/R	Pre-Terminated Cable

CODE REQUIREMENTS

C405.2.1	Occupancy Sensor Control
C405.2.1.1	Manual On / Partial Auto On
C405.2.4.2	Daylight Responsive Control
C405.2.5	Specific Application Control
C405.2.6	Manual Control
C405.11	Auto Receptacle Control

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