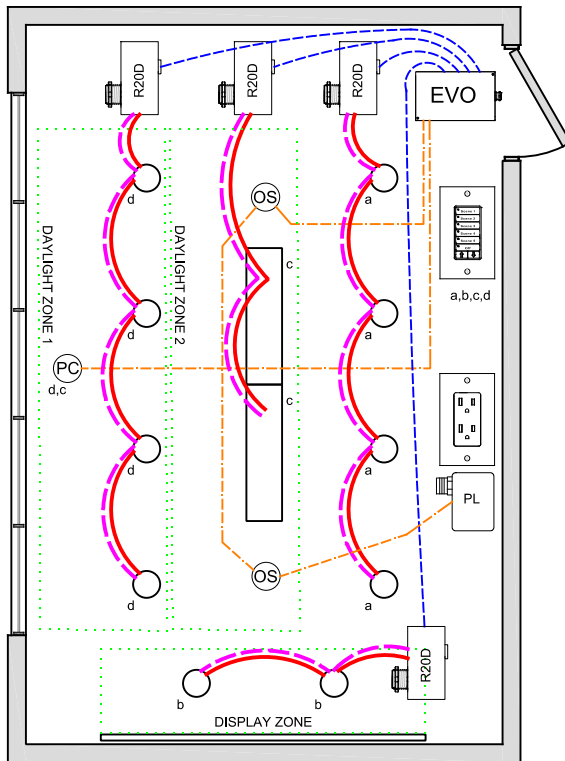


# CONFERENCE ROOM CA TITLE 24 2019 DESIGN GUIDE



## OVERVIEW:

Lighting zones are controlled together or individually with 0-10V dimming, programmable max/min levels, vacancy off, local digital control stations.

## SEQUENCE OF OPERATION:

Lights turn on at digital switch station. Occupancy sensor input set for vacancy-off control, can be changed to on/off with adjustable dim level per zone. Dimmer outputs provide smooth full range control, zones can be set for adjustable start level from occupancy or digital switch. Digital scene switch station provides scene recall, capture and dimming for all zones as one.

Photo cell monitors daylight and limits the maximum light level in the daylight zone, multiple zones can be controlled from one sensor with independent level settings for each. (Not required for primary daylight zone of <120W). Plug-load control from occupancy sensor relay or R20 relay from time clock

## ADDITIONAL OPTIONS:

Up to 4-zones with single LL-EVO panel, additional EVO-4X, EVO-8X expansion panels available for up to 16 zones. Additional LightSync switch stations as needed up to 32. Optional LightSync Touch Screen station with multi-zone relay and dimming control. AV interface for RS-232/485, Mobile LS Link APP interface. LL-EVO control panel can connect to ILC network for building control and ARD Automatic Demand Response. Emergency lighting control bypass relay for UL-924 can be added as needed.

## CODE REQUIREMENTS SUPPORTED:

Auto-Off from Occupancy sensor (Section 130.1c)  
 Multi-Level Dimming control (130.1b)  
 Multi-Level Daylight control (130.1d)  
 Local Switch control w/dimming (130.1a)  
 Plug load Control (130.5d)  
 ADR Automatic Demand Response (130.1e)

### WIRE LEGEND

|  |                                       |
|--|---------------------------------------|
|  | Line voltage                          |
|  | 0-10V Dimming                         |
|  | CAT-5e Data cable                     |
|  | 3-Wire Occupancy Sensor or Photo Cell |

### Bill Of Material:

| Qt: | Product:      | Description:   |
|-----|---------------|--|
| 1   | LL-EVO        | EVO Controller                                       |
| 4   | R20D          | Remote 20Amp Dimming relay                           |
| 2   | LSG3-WH-5-S   | LightSync G3 5 Scene dimming digital switch station. |
| 1   | PC-IND        | Photo Cell - Indoor.                                 |
| 2   | ILC-SWX-221-1 | Occupancy sensor Ceiling Dual Tech - 500sf           |

LL-EVO Lighting Application: FC