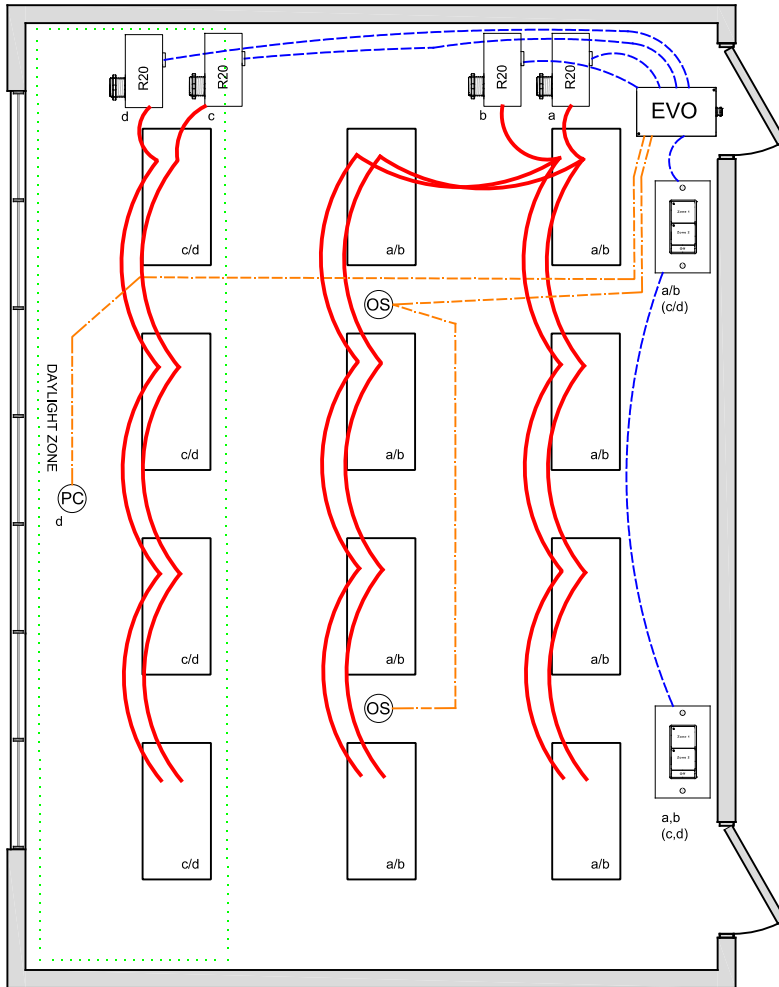


# CLASSROOM ON/OFF - A/B SWITCHING WITH DAYLIGHT IECC 2015 DESIGN GUIDE



### OVERVIEW:

The A/B Lighting zones are individually controlled with 2 relays, vacancy off, local digital control stations.

### SEQUENCE OF OPERATION:

Lights turn on at digital switch station, providing A/B control for three light levels 0%, 50% and 100%. Occupancy sensor input set for Vacancy-off control, can be changed to on/off with for 50% for all or partial room loads.

Digital switch station provides individual 2-zone on/off control

Photo cell monitors daylight and limits the maximum light level in the daylight zone by switching off load "d". Supports multiple daylight zones (8) with independent on/off setpoints per zone. (not required in areas without windows or rooms having loads <105W in sidelight area)

### 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. LL-EVO control panel can connect to ILC network for building control (C405.2.2.1).

Emergency lighting control bypass relay for UL-924 can be added as needed.

### CODE REQUIREMENTS SUPPORTED:

- Auto-Off from Occupancy sensor (C405.2.1.1)
- Lighting Reduction (C405.2.2.2)
- Daylight control (C405.2.3.2)
- Local Switch control (C405.2.2.3)

WIRE LEGEND	
	Line voltage
	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-2	LightSync G3 2-Zone ON/Off digital switch station.
1	PC-IND	Photo Cell - Indoor.
2	ILC-SWX-221-1	Occupancy sensor Ceiling Dual Tech - 500sf

LL-EVO Lighting Application: F2