

## LIGHTING CONTROL MATRIX (University of Nebraska - Lincoln)

The following schedule pertains to University of Nebraska – Lincoln (UNL) city and east campus buildings (excluding campus housing). It is the A/E’s responsibility to include this schedule in the construction document plans or specifications.

The coordination schedule for UNL Housing or outstate buildings shall be coordinated with FPC engineering on a project-by-project basis.

LIGHTING CONTROLS APPLICATION SUMMARY MATRIX									
Control Description:	=	=	=	=	=	=	=		
	Local Ctrl	Auto On	Man On Only	Part Auto On Only	Auto Part Off	Auto Full Off	Auto Sche Off		
Class-Auditorium	X			X		X		LTG CTRL '1'	Local control, auto partial on, auto full off upon vacancy
Locker Room	X			X		X			
Class-non Auditorium	X		X			X		LTG CTRL '2'	Local control, manual on only, auto full off upon vacancy
Conference Room	X		X			X			
Print/Copy Room	X		X			X			
Break Room	X		X			X			
Private Office	X		X			X			
Open Office	X		X			X			
Workshop	X		X			X			
Warehouse	X		X			X			
Storage	X		X			X			
Lab-Class	X		X			X			
Lab-Non-class	X		X			X			
Corridor	X				Note 3		X	LTG CTRL '3'	Local control, time schedule on/off. See Note 3 below.
Lobby - Elevator	X				Note 3		X		
Lobby - Non-elevator	X				Note 3		X		
Mech/Elec/IT Closets	X							LTG CTRL '4'	Local control, provide with 24/7 nightlight
Restroom		X					X	LTG CTRL '5'	Automatic full off upon vacancy.
Stairwell		X					X		
	ON FUNCTIONALITIES				OFF FUNCTIONALITIES			SCHEME #	

**Matrix Notes:**

- Lighting Control '1': For larger space so only partially turn on lights upon occupancy, users can choose to turn more light on, upon no occupancy shut off all lights.
- Lighting Control '2': For most campus spaces, vacancy mode so users must manually turn on lights, upon no occupancy shut off all lights.
- Lighting Control '3': For spaces adjoining occupied spaces, local control & time schedule control during business hrs. Partial auto-off during business hrs is encouraged. For after hours, auto-shut off spaces and auto-control via occupant sensors.
- Lighting Control '4': For maintenance spaces, traditional local manual controls expected. No automatic shutoff due to hazards involved. Nightlighting as needed.
- Lighting Control '5': For spaces where no-touch lighting controls are desire.
- Daylight Harvesting: Though not noted above, all applicable spaces that have daylighting shall include daylight harvesting per code.
- 24/7 Nightlight & Egress Lighting: Some lights to remain on when needed for egress, safety, security, etc. Code exceptions apply. A minimum level of 24/7 night lighting is expected in corridors, mech/elec spaces, lobbies, etc.
- 3rd Party Integration: Some spaces will require audio & visual system interface. Provide interface per specifications and as required per project.
- BSM HVAC Integration: Auxiliary contact closure is expected for interfacing with UNL BSM HVAC controls system. See specifications for more information.