

CA TITLE 24 2019 DESIGN GUIDE

WIRELESS PUBLIC RESTROOM WITH 0-10V DIMMING FIXTURES



nLIGHT AIR

SEQUENCE OF OPERATION:

LIGHTS

- ALL LIGHTS ARE DIMMABLE
- FIXTURES ARE CONTROLLED BASED ON POWER PACK LINE VOLTAGE AND 0-10V WIRING
- MAXIMUM LEVEL CAN BE TASK TUNED TO ANY PERCENTAGE VIA PROGRAMMING

OCCUPANCY

- PARTIAL-ON OCCUPANCY SENSORS AUTOMATICALLY ACTIVATE BETWEEN 50-70% OF CONTROLLED LIGHTING POWER OR FIXTURES MUST BE TURNED ON MANUALLY

DAYLIGHT

- NOT REQUIRED IF ROOM HAS <24 FT². OF GLAZING OR LIGHTING LOAD < 120W IN THE SKYLIT AND THE SIDELIT DAYLIT ZONE
- SMOOTH CONTINUOUS DIMMING
- DAYLIGHT ZONES DEFINED BY RELAY PACKS

MANUAL

- ON/OFF & RAISE/LOWER CONTROL OF FIXTURES

ADDITIONAL OPTIONS:

- ROOM CAN BE CONNECTED TO NLIGHT BACKBONE TO ENABLE NETWORK CONTROL, TIME SCHEDULES AND AUTOMATED DEMAND RESPONSE (OPENADR 2.0A)
- HVAC CONTROL AVAILABLE THROUGH SYSTEM-WIDE BACNET® INTERFACE OPTION ON THE ECLYPSE® CONTROLLER
- WIRELESS FIXTURE EMBEDDED CONTROL AND OCCUPANCY/DAYLIGHTING SENSOR OPTIONS AVAILABLE, PLEASE SEE THE FIXTURE SPECIFICATION SHEET

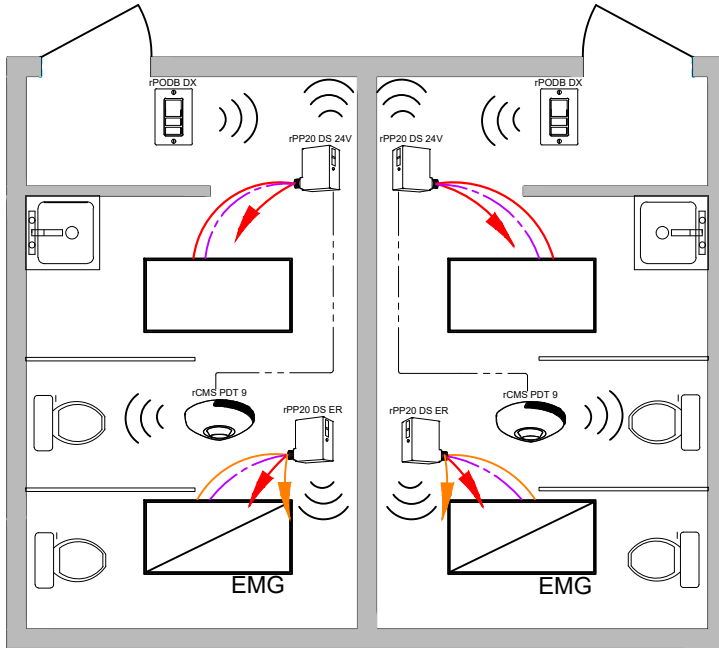


DIAGRAM LEGEND	
	LOW VOLTAGE WIRES
	LINE VOLTAGE WIRES
	0-10VDC WIRES
	LINE FEED
	EM FEED

BILL OF MATERIAL (per room)		
QTY	PRODUCT #	DESCRIPTION
1	rPP20 DS 24V G2	RELAY PACK WITH 0-10V DIMMING OUTPUT
1	rPP20 DS ER G2	EMERGENCY RELAY PACK WITH 0-10V DIMMING OUTPUT
1	rPODB DX G2	ON/OFF, RAISE/LOWER WALL POD
1	rCMS PDT 9 G2	OCCUPANCY SENSOR

SUPPORTS THE FOLLOWING REQUIREMENTS:



FULL AUTO-OFF VIA OCCUPANCY SENSOR (SECTION 130.1c)



LOCAL SWITCH (SECTION 130.1a)



MULTI-LEVEL/ DIMMING CONTROL (SECTION 130.1b)



AUTOMATIC DEMAND RESPONSE (ADR) READY (SECTION 130.1e)