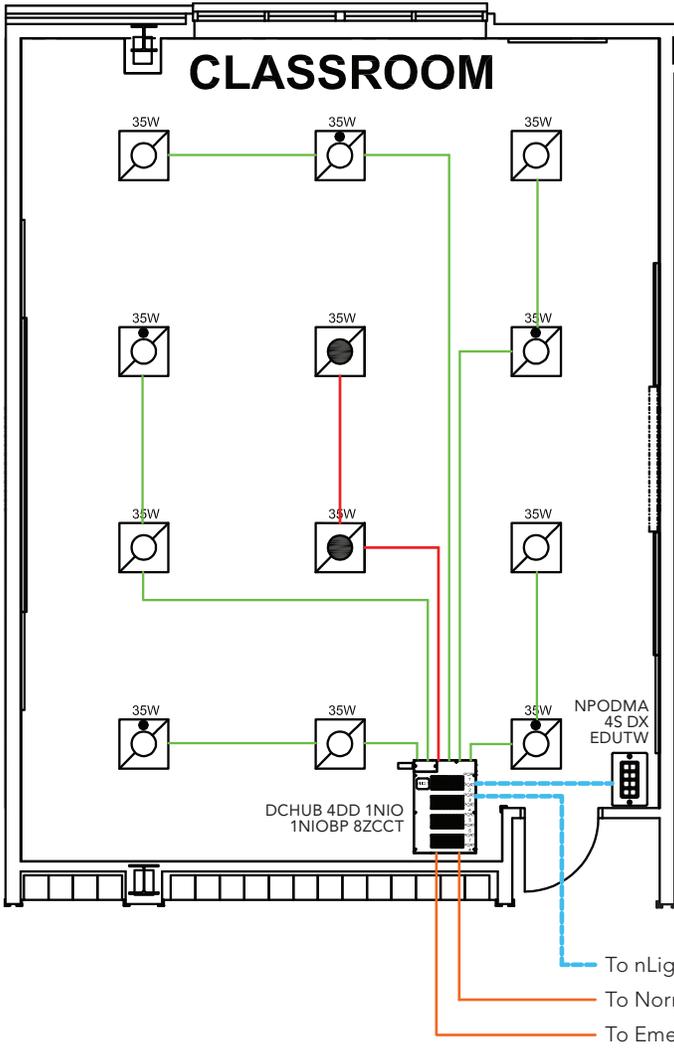




DC2DC ARCHITECTURE FOR CLASSROOMS - EMBEDDED



The DC2DC architecture is particularly suited for spaces, such as classrooms, that consider both energy efficiency, increased occupant comfort and well-being, and are typically designed with multiple lighting zones.



| DIAGRAM LEGEND | | | |
|-------------------|--|-----------------------------|---|
| | CAT-5e CABLE | | LINE VOLTAGE |
| | CLASS 2, 16 AWG, 4 CONDUCTOR CABLE EMERGENCY | | CLASS 2, 16AWG, 4 CONDUCTOR CABLE |
| BILL OF MATERIALS | | | |
| Symbol | Qty | Product # | Description |
| | 12 | BLT, ENVX or WHSPR as req'd | 57 VDC powered and controlled luminaire, tunable white, with embedded occupancy and ambient light sensor as shown |
| | 1 | DCHUB 4DD 1NIO 1NIOBP 8ZCCT | DCHUB used for powering and controlling fixtures |
| | 1 | NPODMA 4S DX EDUTW | 4 Scene Control with Master On/Off & Raise/Lower |
| | 1 | IOTA ETS20 DR | IOTA ETS20 DR |

i Room can be connected to nLight® backbone to enable network control or time schedules

HVAC integration available through system-wide BACnet interface option on the nLight ECLYPSE® controller

Emergency control requires the IOTA® ETS20DR

OPERATIONAL DETAILS

Light Fixtures:

- All fixtures are dimmable to 0.1%
- All fixtures are controlled together or individually
- Maximum level can be task tuned to any percentage via programming
- All fixtures are tunable white

Occupancy Control:

- Fixtures can be turned on manually or automatic using the sensors embedded within the luminaire
- Fixtures turn off automatically when room becomes vacant

Daylight Control:

- Smooth continuous dimming
- Custom grouping of fixtures into separate daylight zones (max number zones = number of fixtures, not to exceed 8 zones)

Manual Control:

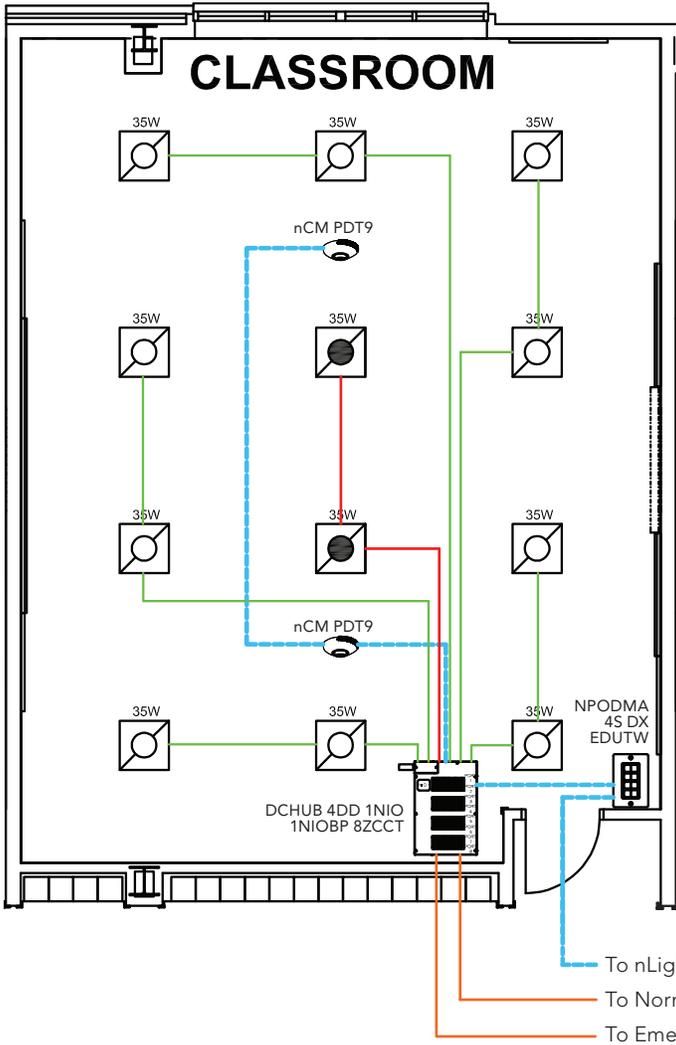
- On/off, scene control & raise/lower control of entire room
- Scene switch has 4 preset scenes



DC2DC ARCHITECTURE FOR CLASSROOMS - nLight® Sensors



The DC2DC architecture is particularly suited for spaces, such as classrooms, that consider both energy efficiency, increased occupant comfort and well-being, and are typically designed with multiple lighting zones.



| DIAGRAM LEGEND | | | |
|-------------------|--|-----------------------------|--|
| | CAT-5e CABLE | | LINE VOLTAGE |
| | CLASS 2, 16 AWG, 4 CONDUCTOR CABLE EMERGENCY | | CLASS 2, 16AWG, 4 CONDUCTOR CABLE |
| BILL OF MATERIALS | | | |
| Symbol | Qty | Product # | Description |
| | 12 | BLT, ENVX or WHSPR as req'd | 57 VDC powered and controlled luminaire, tunable white, normal or emergency power as shown |
| | 2 | nCM PDT9 ADCX | Ceiling Mounted Occupancy Ambient Light |
| | 1 | DCHUB 4DD 1NIO 1NIOBP 8ZCCT | DCHUB used for powering and controlling fixtures |
| | 1 | NPODMA 4S DX EDUTW | 4 Scene Control with Master On/Off & Raise/Lower |
| | 1 | IOTA ETS20 DR | IOTA ETS20 DR |

Room can be connected to nLight® backbone to enable network control or time schedules

HVAC integration available through system-wide BACnet interface option on the nLight ECLYPSE® controller

Emergency control requires the IOTA® ETS20DR

OPERATIONAL DETAILS

Light Fixtures:

- All fixtures are dimmable to 0.1%
- All fixtures are controlled together or individually
- Maximum level can be task tuned to any percentage via programming
- All fixtures are tunable white

Occupancy Control:

- Fixtures can be turned on manually or automatic using the sensors mounted on ceiling
- Fixtures turn off automatically when room becomes vacant

Daylight Control:

- Smooth continuous dimming
- Custom grouping of fixtures into separate daylight zones (max number zones = number of fixtures, not to exceed 8 zones)

Manual Control:

- On/off, scene control & raise/lower control of entire room
- Scene switch has 4 preset scenes