![vode logo]

vodeCONNECT™

Responsive illumination through Luminaire Level Lighting Controls.

Contents.

Introduction.

What is vodeCONNECT™?

vodeCONNECT™ is a lighting controls integration solution that combines embedded sensor technology with compatibility and leading network control systems. vodeCONNECT™ offers the option for luminaire level lighting controls (LLLC), which is a fixture-based sensor able to control based on occupancy, daylighting and timeclock control. This program brings together the possibility for a clean design aesthetic and smart building technology.

vodeCONNECT™ reliably offers

Daylight Vacancy Occupancy

Luminaire Level Lighting Controls

What and Why

What?

As explained by the Lighting Controls Association of North America, Luminaire Level Lights Controls (LLLC) are "...lighting control systems in which sensors and controllers are installed within luminaires to enable autonomous, individual luminaire control. **By making each luminaire a control point, control is highly flexible, responsive, and therefore generally more energy-saving."**

Why?

Said simply - we want to save you energy, time, and cost!

Sensors ensure light is delivered precisely when and where it's needed, optimizing energy usage. For designers, our streamlined system means fewer devices to layout in the ceiling, saving you valuable time. Contractors benefit too, with fewer components to install, reducing overall costs.

vodeCONNECT™

What and Why
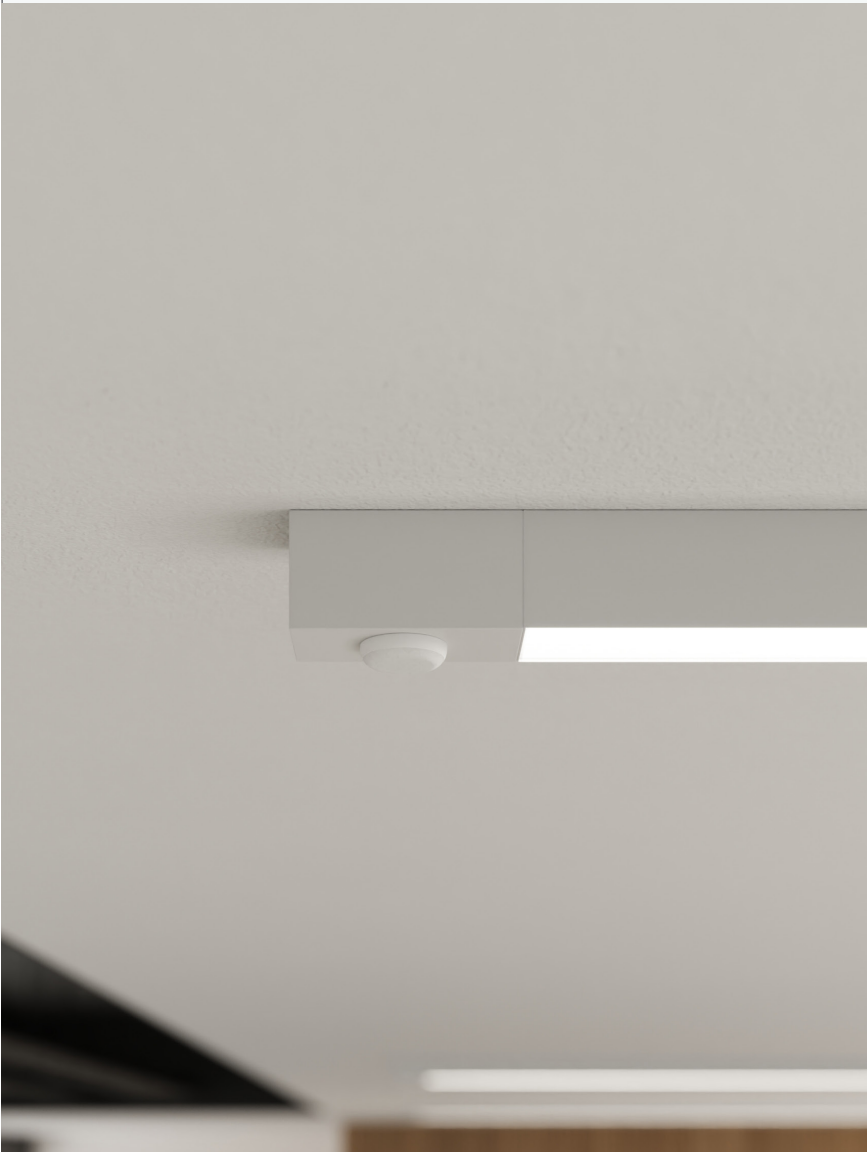
What?

Introducing a lighting controls solution, designed to connect you with your space while ensuring optimal ease of use and compatibility with leading smart building technologies.

Our system features embedded sensor technology and works seamlessly with the top network controls systems from our trusted partners in manufacturing.

Why?

Our commitment to design excellence is showcased through every detail, as each compatible sensor is meticulously fitted to seamlessly integrate into our little but luminous lighting solutions.

Experience the perfect blend of sustainability and style with vodeCONNECT™ as we demonstrate that form and function can indeed walk hand in hand.

Our Partners.

When specifying vodeCONNECT™, you can be asssured that Vode fixtures are compatible with common sensors from the following industry leaders:

nLiGHT

legrand ®

ENCELIUM

LUTRON ®

Enlighted

Types of Sensors
Sensor Capabilities

Daylight Sensors

Luminaire level lighting control daylight sensors are devices used in lighting systems to detect natural light levels per fixture (versus per space) to adjust artificial lighting accordingly, optimizing energy efficiency indoors. By measuring ambient light, these sensors automatically control the lighting fixtures, dimming or brightening them as needed to maintain consistent illumination levels throughout the day.

Sufficient natural light

Non-sufficient natural light

Non-sufficient natural light
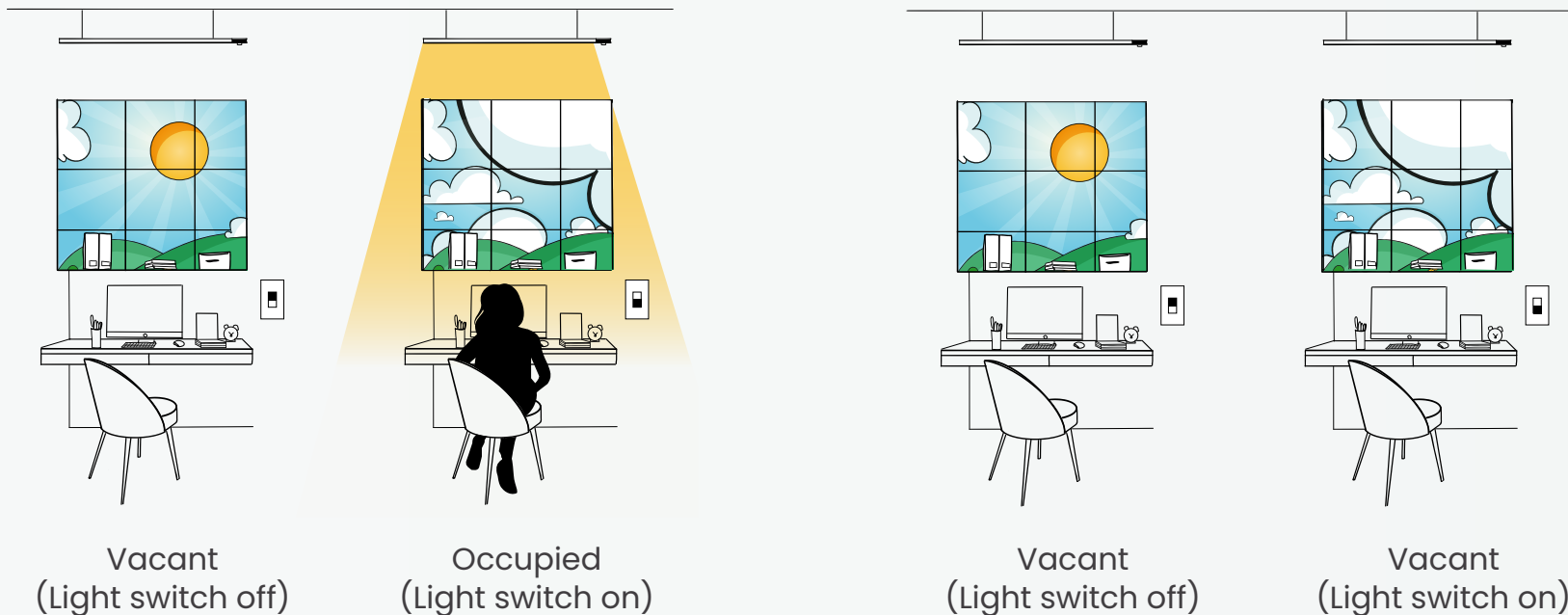
Non-sufficient natural light
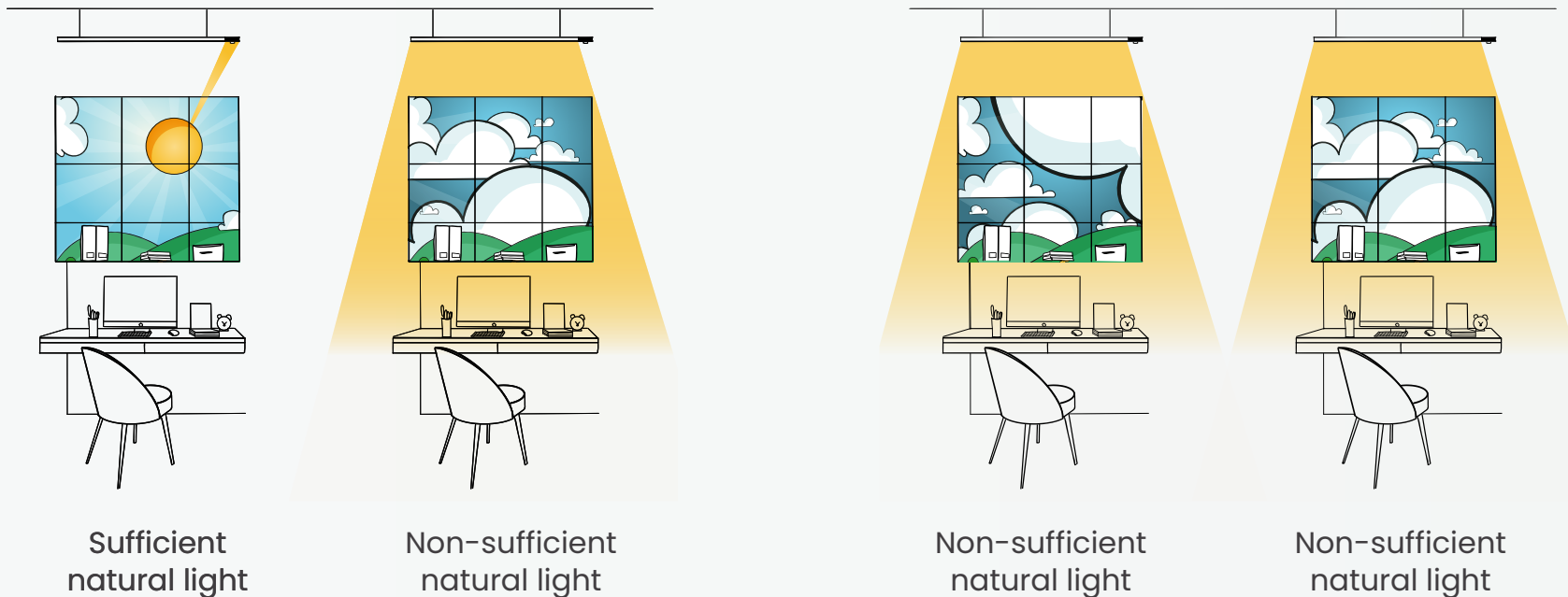
Types of Sensors
Sensor Capabilities

Vacancy Sensors

Luminaire level lighting control vacancy sensors are integrated into lighting systems to save energy by automatically turning off lights in unoccupied spaces. They employ motion detection technology to detect movement within a specified area, prompting lights to dim or turn off. Occupants must manually switch the lights back on. This allows the user to determine if overhead lighting is needed or if ambient natural light is sufficient.

Vacant
(Light switch off)

Occupied
(Light switch on)

Vacant
(Light switch off)

Vacant
(Light switch on)

Types of Sensors
Sensor Capabilities

Occupancy Sensors

Luminaire level lighting control occupancy sensors are devices integrated into lighting systems to automatically control light fixtures based on the presence or absence of people in a space. They use various technologies such as infrared, ultrasonic, or microwave to detect motion and occupancy, enabling energy savings by turning lights on or off as needed.

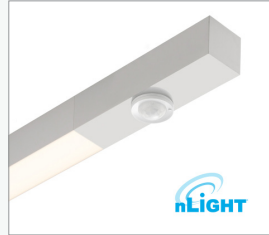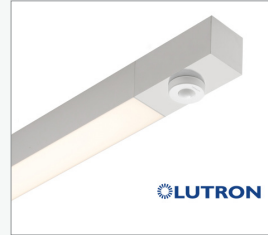| Occupied | Vacant | Vacant | Vacant |
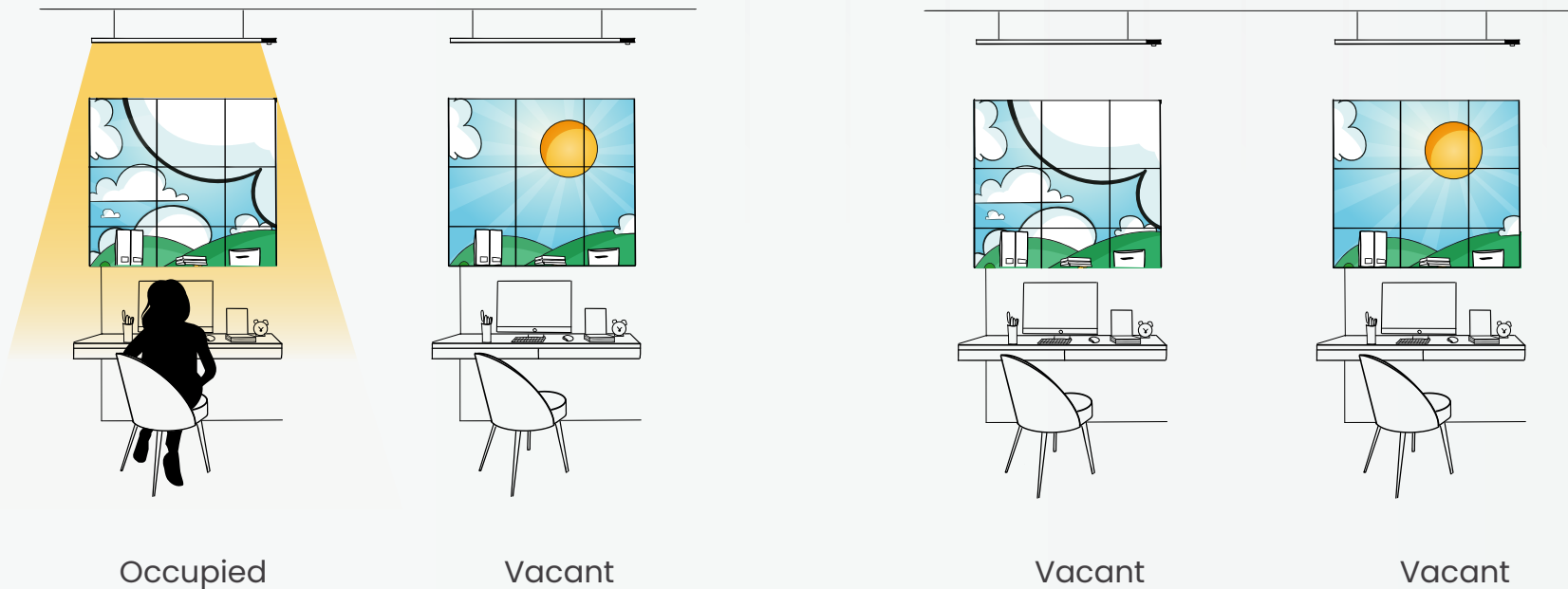
Compatibility.

Sensors Compatible with Fixture Integration
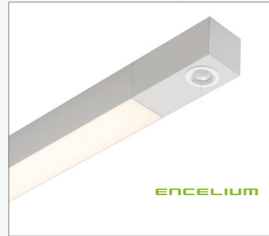

nLight Air

nLight Wired

Lutron Athena

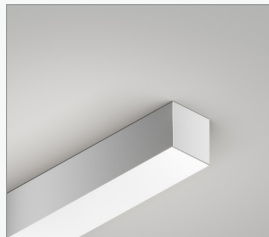Lutron Vive

Legrand Wattstopper

Encelium SensiLUM

Enlighted Micro Sensor

Products Compatible with Fixture Integration

ZipTwo | Square 3535 | 707

Compatibility.

Sensors Compatible with Canopy Integration

Lutron Athena

Legrand Wattstopper

Enlighted Micro Sensor

Products Compatible with Canopy Integration

ZipTwo | Micro 3508 | Ceiling Cable | 707
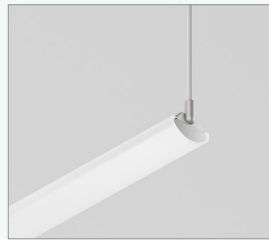
ZipTwo | Round 3515 | Ceiling Cable | 707
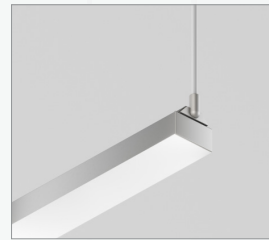
ZipTwo | Square 3520 | Ceiling Cable | 707

ZipTwo | Square 3535 | Ceiling Cable | 707

ZipTwo | Square 3535/30 | Ceiling Cable | 707

ZipTwo | Square 3570 | Ceiling Cable | 707

ZipTwo | Square 5020 | Ceiling Cable | 707

BoxRail | Ceiling Cable | 107

RaceRail | Ceiling Cable | 107

WingRail | Ceiling Cable | 107

BoxRail | 207

Sensor
Product Compatibility

Sensors, drivers and control units that are integrated into Vode fixtures are discrete components that communicate with network lighting controls.

For more information about each network lighting control system, visit the manufacturer's website for additional system information and technical data sheets.

Controls System	Sensing Functions	Compatible Luminaire	Sensor Location	Power Location Options	Sensor Distance	Compatible Control Protocols
Enlighted Micro Sensor SU-5E	• Occupancy • Vacancy • Daylight • Asset Tracking	• ZipTwo | Square 3535 | 707	• Luminaire	• Remote • VodeNODE	• 100ft (30.5m)	• 0-10V, 1% Dimming • 0-10V, 0.1% Dimming • DALI, 1% Dimming
	• Occupancy • Vacancy • Daylight • Asset Tracking	• BoxRail | Ceiling Cable | 107 • RaceRail | Ceiling Cable | 107 • WingRail | Ceiling Cable | 107 • BoxRail | Ceiling Cable | 207 • ZipTwo | Ceiling Cable |707	• Canopy	• Remote • VodeNODE	• 100ft (30.5m)	• 0-10V, 1% Dimming • 0-10V, 0.1% Dimming • DALI, 1% Dimming
Encelium SensiLUM EN-CLM-PIR-DD-ZB	• Occupancy • Vacancy • Daylight	• ZipTwo | Square 3535 | 707	• Luminaire	• Remote • VodeNODE	• 100ft (30.5m)	• 0-10V, 1% Dimming • 0-10V, 0.1% Dimming • DALI, 1% Dimming

Sensor
Product Compatibility

Controls System	Sensing Functions	Compatible Luminaire	Sensor Location	Power Location Options	Sensor Distance	Compatible Control Protocols
Legrand Wattstopper LMFS-601-W	• Occupancy • Vacancy • Daylight	• ZipTwo | Square 3535 | 707	• Luminaire	• Remote • VodeNODE	• 100ft (30.5m)	• 0-10V, 1% Dimming • 0-10V, 0.1% Dimming • DALI, 1% Dimming
	• Occupancy • Vacancy • Daylight	• BoxRail | Ceiling Cable | 107 • RaceRail | Ceiling Cable | 107 • WingRail | Ceiling Cable | 107 • BoxRail | Ceiling Cable | 207 • ZipTwo | Ceiling Cable |707	• Canopy	• Remote • VodeNODE	• 100ft (30.5m)	• 0-10V, 1% Dimming • 0-10V, 0.1% Dimming • DALI, 1% Dimming
Lutron Athena DFCSJ-OEM-OCC	• Occupancy • Vacancy • Daylight	• ZipTwo | Square 3535 | 707	• Luminaire	• Remote • VodeNODE	• 100ft (30.5m)	• 0-10V, 1% Dimming • 0-10V, 0.1% Dimming • DALI, 0.1% Dimming • DALI, 1% Dimming • Lutron 1% EcoSystem
	• Occupancy • Vacancy • Daylight	• BoxRail | Ceiling Cable | 107 • RaceRail | Ceiling Cable | 107 • WingRail | Ceiling Cable | 107 • BoxRail | Ceiling Cable | 207 • ZipTwo | Ceiling Cable |707	• Canopy	• Remote • VodeNODE	• 100ft (30.5m)	• 0-10V, 1% Dimming • 0-10V, 0.1% Dimming • DALI, 0.1% Dimming • DALI, 1% Dimming • Lutron 1% EcoSystem

Sensor
Product Compatibility

| Controls System	Sensing Functions	Compatible Luminaire	Sensor Location	Power Location Options	Sensor Distance	Compatible Control Protocols
Lutron Vive A-WN-D01-OCC-WH	• Occupancy • Vacancy • Daylight	• ZipTwo | Square 3535 | 707	• Luminaire	• Remote • VodeNODE	• 60ft (18.3m)	• DALI, 0.1% Dimming • DALI, 1% Dimming • Lutron 1% EcoSystem
nLight Air RES7 EXT900 ACWH 180D G2	• Occupancy • Vacancy • Daylight • Asset Tracking	• ZipTwo | Square 3535 | 707	• Luminaire	• Remote • VodeNODE	• 100ft (30.5m)	• 0-10V, 1% Dimming • 0-10V, 0.1% Dimming • DALI, 0.1% Dimming • DALI, 1% Dimming • LEDcode, 1% Dimming
nLight Wired nES PDT 7 ADCX	• Occupancy • Vacancy • Daylight • Asset Tracking	• ZipTwo | Square 3535 | 707	• Luminaire	• Remote • VodeNODE	• 100ft (30.5m)	• 0-10V, 1% Dimming • 0-10V, 0.1% Dimming • DALI, 0.1% Dimming • DALI, 1% Dimming • LEDcode, 1% Dimming
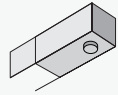
Specification.

Specification of Products with Integrated Sensors

Build Your Specification

707-Z2	SL				0 ››
System & Rail Type	System Type	System Length	Rail Length	Mounting	Arm/Cord Length

System & Rail Type
707-Z2 ZipTwo

System Type
SL Standard Linear

System Length
Specify overall system length in ft/in or M/mm.

Corner and Shapes Available
See Guide for details.

Rail Length
24	24" (610mm)
36	36" (914mm)
48	48" (1219mm)
60	60" (1524mm)
72	72" (1829mm)
96	96" (2438mm)
108	108" (2743mm)
120	120" (3048mm)
132	132" (3352mm)
144	144" (3658mm)
ZZ	Other rail length or layout (please specify)

See Rail Length Chart for more details.

Mounting
C	Clip
CM	Clip with Micro J-Box [1]
T	Magnet with Tape-On Metal Strip [2]
T1	9/16" T-Bar Clip, low profile
T2	15/16" T-Bar Clip, low profile
T3	15/16" T-Bar Clip, medium profile
T4	15/16" T-Bar Clip, concealed
T5	9/16" T-Bar Clip, medium profile
T6	Slotted T-Bar Clip
T7	Dimensional T-Bar Clip
SC	Strut Channel Clip [1]
DM	Armstrong DynaMax
ZZ	Other (please specify)

Arm/Cord Length
0 None

››				
Power Location	Power Type		Voltage	Emergency Power

Power Location

Remote Power
RP10	10' (3.048m) Wire Harness
RP25	25' (7.62m) Wire Harness
RP50	50' (15.24m) Wire Harness
RP75	75' (22.86m) Wire Harness
RP100	100' (30.48m) Wire Harness

Power Type

Flexible 1 to 1 Power
AE	0-10v, 1.0% Dimming
AT	0-10v, 0.1% Dimming
AD	DALI, 0.1% Dimming
AX	DMX, 100-0% Dimming
AH	Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE1
AH2	ELV 1% 2-wire (Forward and Reverse Phase)

Optimized Power
Add 'O' to power type
example: AEO, ATO...etc. [3]

VodeNODE
Add 'N' to power type for Flexible 1 to 1 Power
Add 'ON' to power type for Optimized Power
example: AEN, ATN, AEON, ADON...etc. [4]

ZZ Other (please specify)

See Power Guide for driver features & limitations.

Voltage
1	120v
2	120v-277v
X	Not Yet Specified

Emergency Power
0	No Emergency Power
ZZ	Emergency Power *(specify requirements)*

Z				
LED Type	Lumen Output	Color Temperature	Optics	Sensors [5]

LED Type
Z Zipper Board

Lumen Output
LO	Low Output
SO	Standard Output
HO	High Output
ZZ	Other (please specify)

See IES Files page for details.
See Power Guide for driver features & limitations.

Color Temperature

80+ CRI
27	2700K
30	3000K
35	3500K
40	4000K

90+ CRI
279	2700K
309	3000K
359	3500K
409	4000K

ZZ Tunable White Available
See Guide for details.

Optics
S5	Square 3535, Critical Edge
S6	Square 3535, Diffuse
S9	Square 3535, Side Diffuse
SA	Square 3535, Single Side Diffuse

Sensors [5]
0	None
NLI	Luminaire w/ integrated nLight Air sensor
NWI	Luminaire w/ integrated nLight Wired sensor
LVI	Luminaire w/ integrated Lutron Vive sensor
LAI	Luminaire w/ integrated Lutron Athena sensor
ENI	Luminaire w/ integrated Enlighted Micro Sensor
WSI	Luminaire w/ integrated Legrand Wattstopper sensor
ECI	Luminaire w/ integrated Encelium SensiLUM sensor
ZZ	Other (please specify)

››		
Finish	Options	

Finish
WH	White
BL	Black

Options
0	None
9	9' 18/3 Cord and Plug
LLLC	Luminaire Level Lighting Controls

Standard 5 Year Limited Warranty. See details here. Contact factory for options on Limited Warranties up to 20 years.

NOTES & LIMITATIONS
[1] Mounting type available with Chicago Plenum.
[2] Custom modification available for Chicago Plenum. Contact factory.
[3] Optimized Power is not available with Lutron Hi-lume 1% EcoSystem (AHO) Power Type.
[4] VodeNODE enclosure is not available with Hi-lume 1% 2-wire (AH2) Power Type.
[5] Sensors, drivers and control units that are integrated into Vode fixtures are discrete components that communicate with network lighting controls. For more information about each network lighting control system, visit the manufacturer's website for additional system information and technical data sheets.
For general information about network lighting controls, consult the DesignLights Consortium® (DLC) Networked Lighting Control Qualified Product List.

Listed to UL standards for damp location by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA. Certain limitations exist for each Certification. Contact factory for verification.
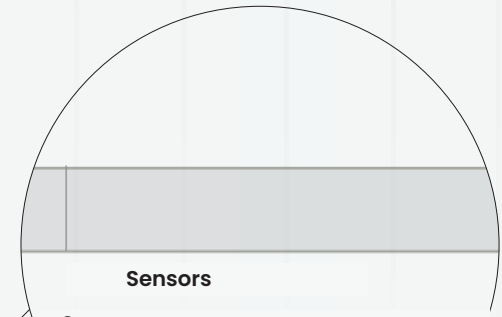
Sensors

0	None
ENI	Luminaire w/ integrated Enlighted Micro Sensor
ECI	Luminaire w/ integrated Encelium SensiLUM sensor
WSI	Luminaire w/ integrated Legrand Wattstopper sensor
LVI	Luminaire w/ integrated Lutron Vive sensor
LAI	Luminaire w/ integrated Lutron Athena sensor
NLI	Luminaire w/ integrated nLight Air sensor
NWI	Luminaire w/ integrated nLight Wired sensor
ZZ	Other (please specify)
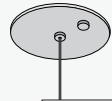
Specification of Products with Sensor in Canopy

Specification.

BoxRail | Ceiling Cable | 107 Spec Guide

Build Your Specification

107-BX	01		CC	
System & Rail Type	Single/Double Rail	System Length	Rail Length	Mounting	Cable Length

System & Rail Type
107-BX BoxRail

Single/Double Rail
01 Single Rail

System Length
Specify overall system length in ft/in or M/mm.

Corner and Shapes Available
See Guide for details.

Rail Length
24 24" (610mm)
36 36" (914mm)
48 48" (1219mm)
60 60" (1524mm)
72 72" (1829mm)
ZZ Other rail length or layout (please specify)

See Rail Length Chart for more details.

Mounting
CC Ceiling Cable

Cable Length
Field adjustable.
48 48" cable (1219mm)
96 96" cable (2438mm)
ZZ Other (please specify)

Power Location	Power Type	Voltage	Emergency Power

Power Location
Integral Power
IP Integral Power

Remote Power
Specify mounting and harness length code
example: 2R25, 4R25...etc.

Mounting Option
2R Small Round Canopy
4R Large Round Canopy

Wire Harness
10 10' (3.048m) Wire Harness
25 25' (7.62m) Wire Harness
50 50' (15.24m) Wire Harness
75 75' (22.86m) Wire Harness
100 100' (30.48m) Wire Harness

Power Type
Flexible 1 to 1 Power
AE 0-10v, 1.0% Dimming
AT 0-10v, 0.1% Dimming
AD DALI, 0.1% Dimming
AX DMX, 100-0% Dimming
AH Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE1
AH2 ELV 1% 2-wire (Forward and Reverse Phase)

Optimized Power
Add 'O' to power type
example: AEO, ATO...etc. [1]

VodeNODE
Add 'N' to power type for Flexible 1 to 1 Power
Add 'ON' to power type for Optimized Power
example: AEN, ATN, AEON, ADON...etc. [2]

ZZ Other (please specify)

See Power Guide for driver features & limitations.

Voltage
1 120V
2 120V - 277V
X Not Yet Specified

Emergency Power
0 No Emergency Power
ZZ Emergency Power *(specify requirements)*

Z				
LED Type	Lumen Output	Color Temperature	Optics	Sensors [6]

LED Type
Z Zipper Board

Lumen Output
LO Low Output
SO Standard Output
HO High Output
ZZ Other (please specify)

See IES Files page for details.
See Power Guide for driver features & limitations.

Color Temperature
80+ CRI
27 2700K
30 3000K
35 3500K
40 4000K

90+ CRI
279 2700K
309 3000K
359 3500K
409 4000K

ZZ Tunable White Available
See Guide for details.

Optics
Zipper Board (Z)
1 Diffuse
WB White Baffle
BB Black Baffle
G1 120° Batwing
G2 120° FlyWing
S1 40° Symmetric
S2 60° Symmetric
A1 85° Asymmetric

Sensors [6]
0 None
ENC Canopy with integrated Enlighted Micro Sensor [5]
WSC Canopy with integrated Legrand Wattstopper sensor [6]
LAC Canopy with integrated Lutron Athena sensor [5]
ZZ Other (please specify)

NOTES & LIMITATIONS
[1] Optimized Power is not available with Lutron Hi-lume 1% EcoSystem (AHO) Power Type.
[2] VodeNODE enclosure is not available with Hi-lume 1% 2-wire (AH2) Power Type.
[3] 9' 18/3 Cord and Plug only available with Remote Power (RP).
[4] Chicago Plenum not applicable for wall arm mounting.
[5] Rotating fixture as an uplight will interfere with sensor operation.
[6] Sensors, drivers, and control units that are integrated into Vode fixtures are discrete components that communicate with network lighting controls. For more information about each network lighting control system, visit the manufacturer's website for additional system information and technical data sheets.
For general information about network lighting controls, consult the DesignLights Consortium® (DLC) Networked Lighting Control Qualified Product List

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Finish	Options

Finish
AL Clear Anodized
WH White Powder Coat
BL Black Anodized
ZZ Other (please specify)

Options
0 None
9 9' 18/3 Cord and Plug
CP Chicago Plenum
LLLC Luminaire Level Lighting Controls

Standard 5 Year Limited Warranty. See details here. Contact factory for options on Limited Warranties up to 20 years.

Listed to UL standards for damp location by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA. Certain limitations exist for each Certification. Contact factory for verification.

BoxRail® | Ceiling Cable | 107 • **Page 2 of 15**

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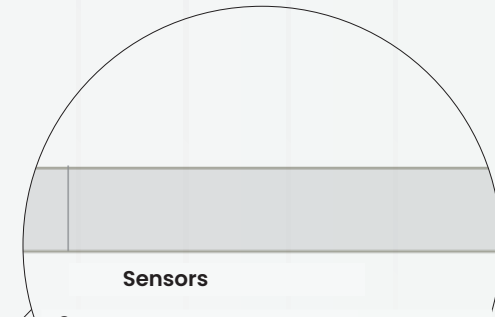
Sensors

0	None
ENC	Canopy with integrated Enlighted Micro Sensor
WSC	Canopy with integrated Legrand Wattstopper sensor
LAC	Canopy with integrated Lutron Athena sensor
ZZ	Other (please specify)

Driver Compatibility
Matrix

vodeCONNECT™

Type	nLight Air	nLight Wired	Lutron Vive	Lutron Athena	Enlighted Micro Sensor	Legrand Wattstopper	Encelium SensiLUM
AE	Yes	Yes [1]	X	Yes	Yes	Yes	Yes
AT	Yes [2]	Yes [2]	X	Yes [2]	Yes [2]	Yes [2]	Yes [2]
AD	Yes	Yes	Yes	Yes	X	X	X
AX	X	X	X	X	X	X	X
AH	X	X	Yes [2]	Yes	X	X	X
AH2	X	X	X	X	X	X	X
DALI 1%	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTES: 1. Standard drivers not available with 120" HO. **2.** 120" HO not available.

Enlighted Micro Sensor
Wiring Diagrams

vodeCONNECT™

A — 0-10V driver with control unit

Luminaire	LED (+) LED (−)	Embedded Sensor CAT-5e	Control Unit CAT-5e L N G	DIM (+) DIM (−) LED (+) LED (−) 0-10V Driver DIM (+) DIM (−) L N G

B — DALI D4i driver without control unit 2-wire sensor kit

Luminaire	LED (+) LED (−)	Embedded Sensor S (+) S (−)	DALI D4i Driver LED (+) LED (−) D (+) D (−) L N G
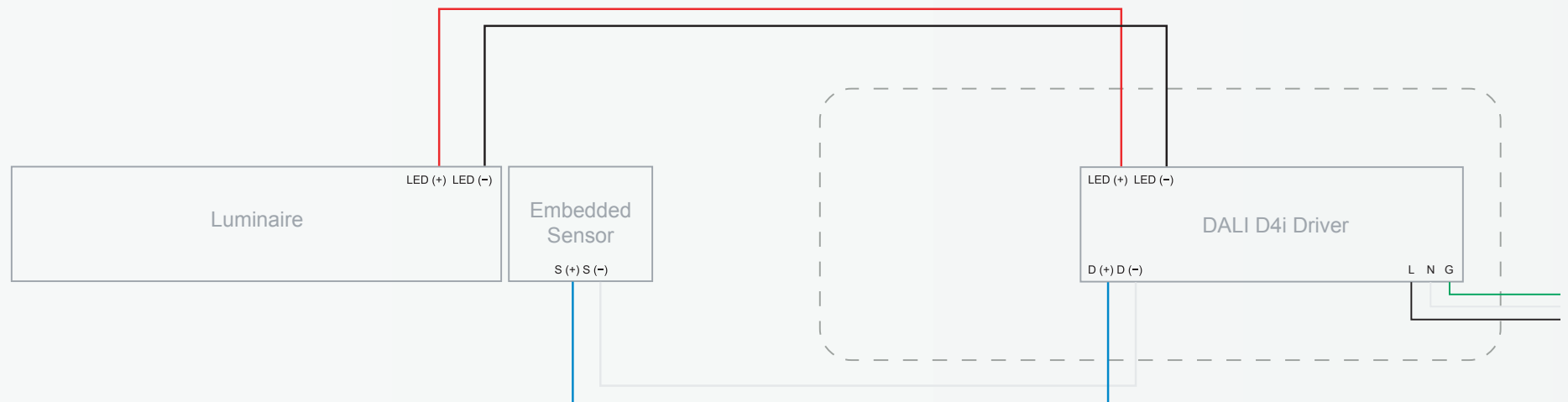
Encelium SensiLUM

Wiring Diagrams

ENCELIUM

A   0-10V driver with AUX, no control unit
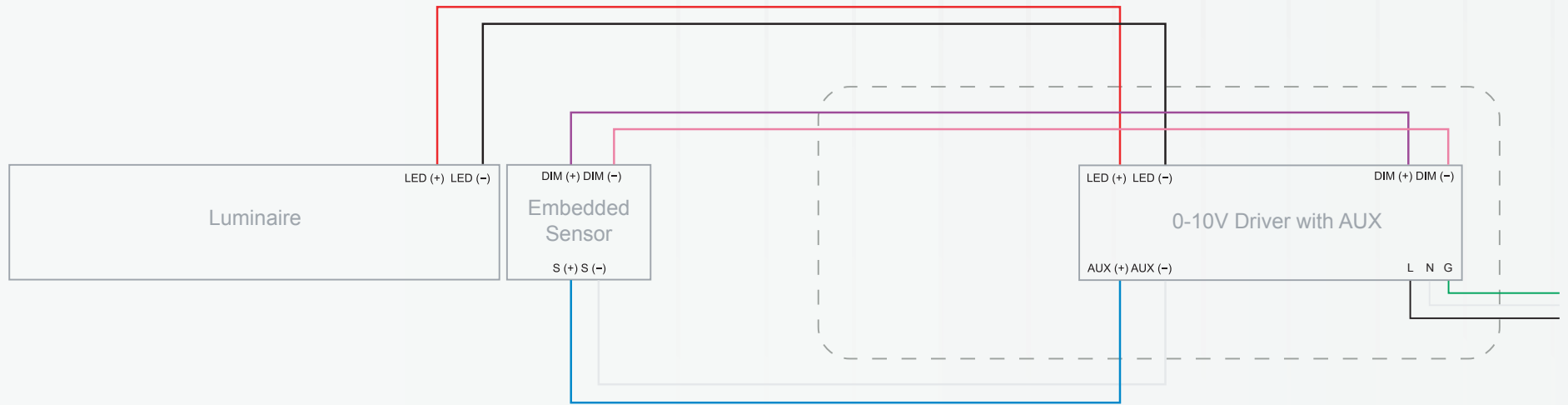
Luminaire	Embedded Sensor	0-10V Driver with AUX
LED (+) LED (−)	DIM (+) DIM (−) S (+) S (−)	LED (+) LED (−) DIM (+) DIM (−) AUX (+) AUX (−) L N G

B   DALI D4i driver without control unit

Luminaire	Embedded Sensor	DALI D4i Driver
LED (+) LED (−)	 S (+) S (−)	LED (+) LED (−) D (+) D (−) L N G

Encelium SensiLUM

Wiring Diagrams

ENCELIUM

C 0-10V driver with control unit

Luminaire	Embedded Sensor	Control Unit	0-10V Driver
LED (+) LED (−)	DIM (+) DIM (−)		LED (+) LED (−) DIM (+) DIM (−)
	S (+) S (−)	S (+) S (−) L N G	L N G
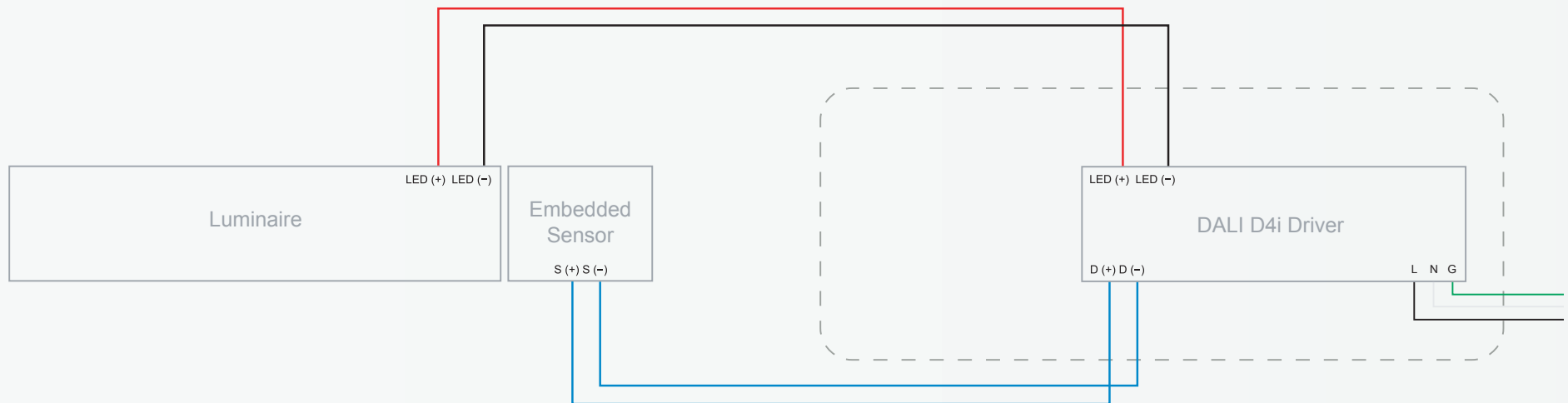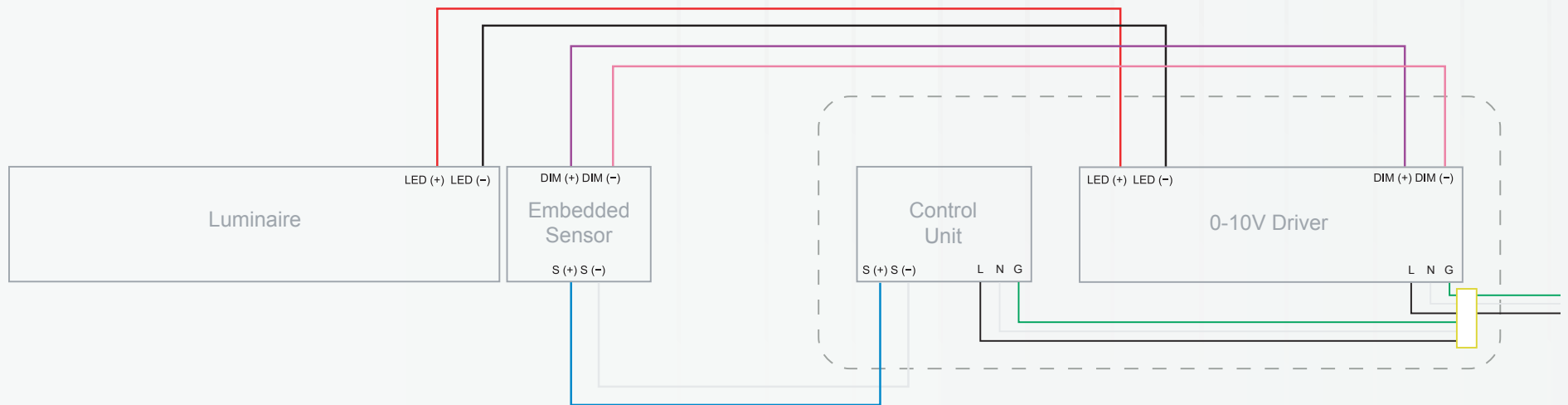
Legrand Wattstopper

Wiring Diagrams

A   0-10V driver with control unit
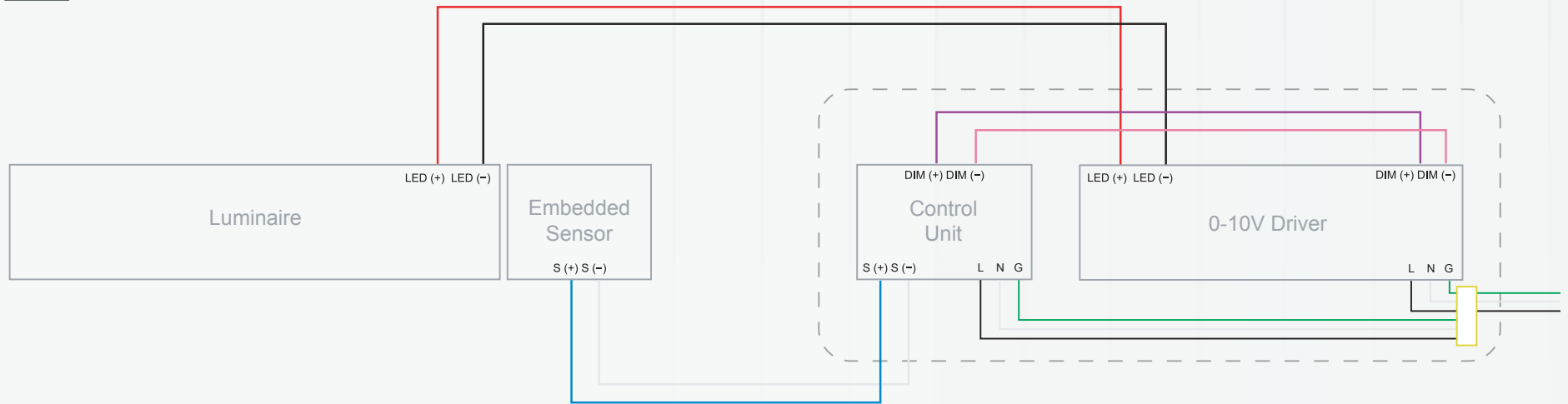
Luminaire	Embedded Sensor		Control Unit		0-10V Driver	
LED (+) LED (−)	S (+) S (−)	DIM (+) DIM (−)	S (+) S (−) L N G	LED (+) LED (−)	DIM (+) DIM (−)	L N G

B   DALI D4i driver without control unit

Luminaire	Embedded Sensor	DALI D4i Driver	
LED (+) LED (−)	S (+) S (−)	LED (+) LED (−)	
		D (+) D (−)	L N G

Lutron Athena

Wiring Diagram

LUTRON®

A Lutron Ecosystem or DALI driver with control unit

Luminaire — LED (+) LED (−)

Embedded Sensor — DIM (+) DIM (−) / S (+) S (−)

Control Unit — S (+) S (−) / L N G

EcoSystem / DALI Driver — LED (+) LED (−) / DIM (+) DIM (−) / L N G

B 0-10V driver with control unit

Luminaire — LED (+) LED (−)

Embedded Sensor — DIM (+) DIM (−) / S (+) S (−)

Control Unit — S (+) S (−) / L N G

0-10V Driver — LED (+) LED (−) / DIM (+) DIM (−) / L N G

Lutron Athena

Wiring Diagrams

LUTRON®

C DALI D4i driver without control unit

Luminaire	LED (+) LED (−)	Embedded Sensor
		S (+) S (−)

LED (+) LED (−)	DALI D4i Driver	
D (+) D (−)		L N G

D 0-10V driver with AUX, no control unit

Luminaire	LED (+) LED (−)	DIM (+) DIM (−) Embedded Sensor
		S (+) S (−)

LED (+) LED (−)	0-10V Driver with AUX	DIM (+) DIM (−)
AUX (+) AUX (−)		L N G
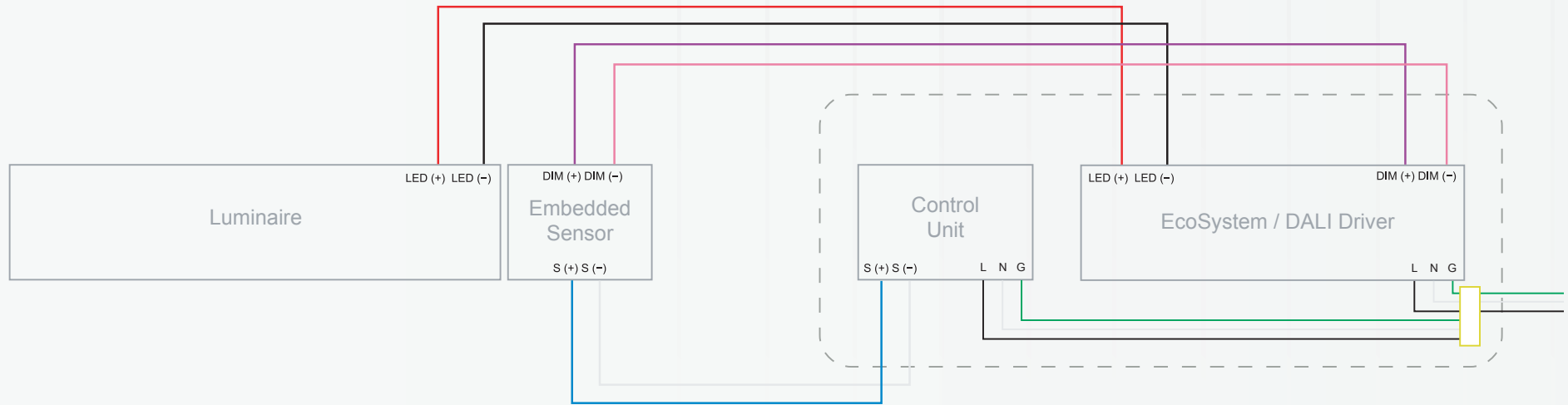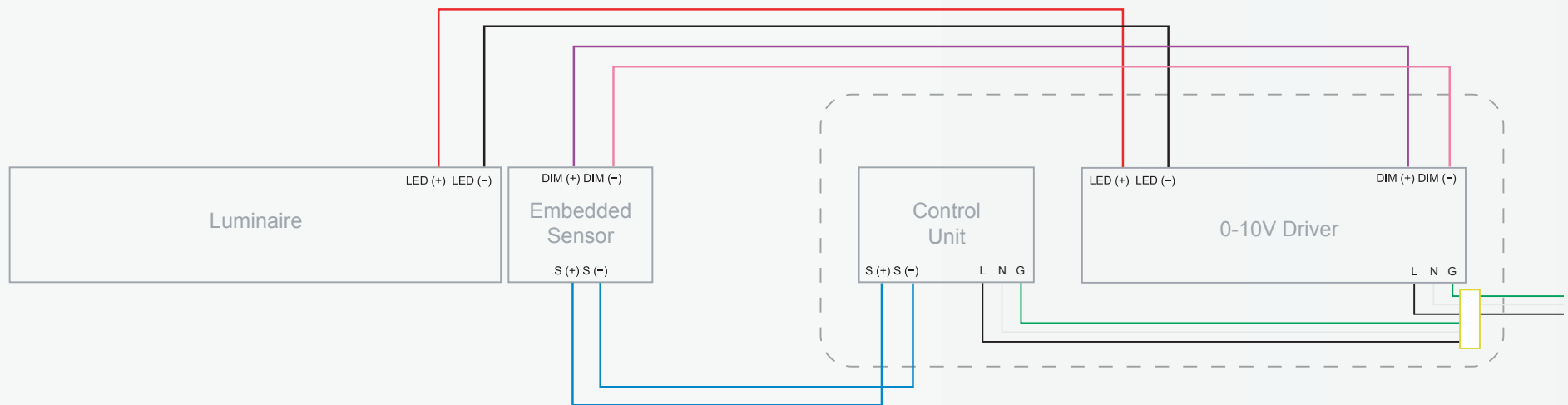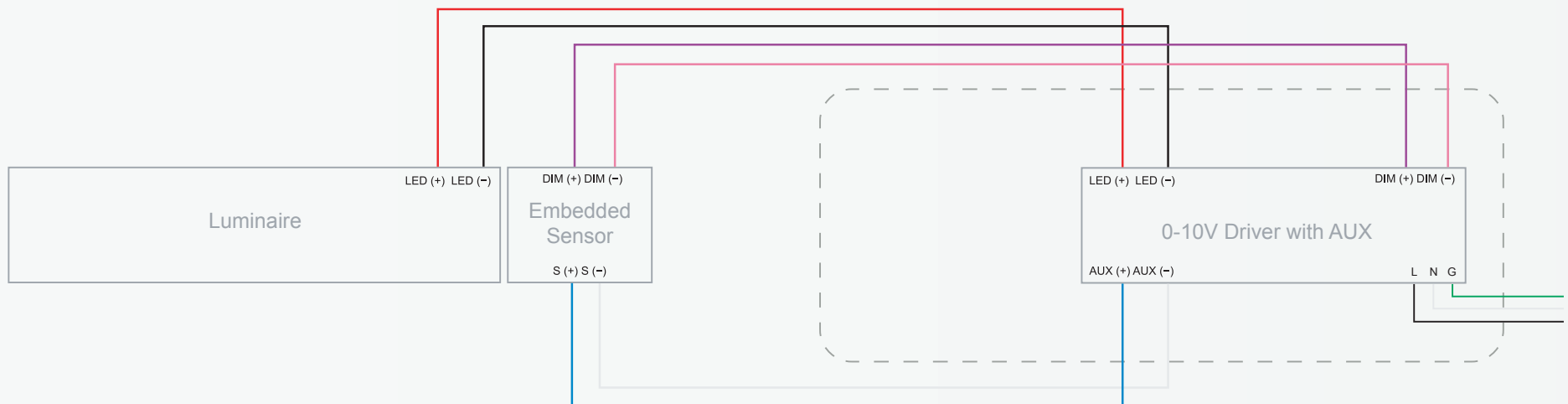
Lutron Vive

Wiring Diagram

LUTRON®

A Lutron Ecosystem or DALI driver with control unit

Luminaire	Embedded Sensor	Control Unit	EcoSystem / DALI Driver
LED (+) LED (−)	S (+) S (−)	DIM (+) DIM (−) / S (+) S (−) L N G	LED (+) LED (−) / DIM (+) DIM (−) L N G

B DALI D4i driver without control unit

Luminaire	Embedded Sensor	DALI D4i Driver
LED (+) LED (−)	S (+) S (−)	LED (+) LED (−) / D (+) D (−) L N G
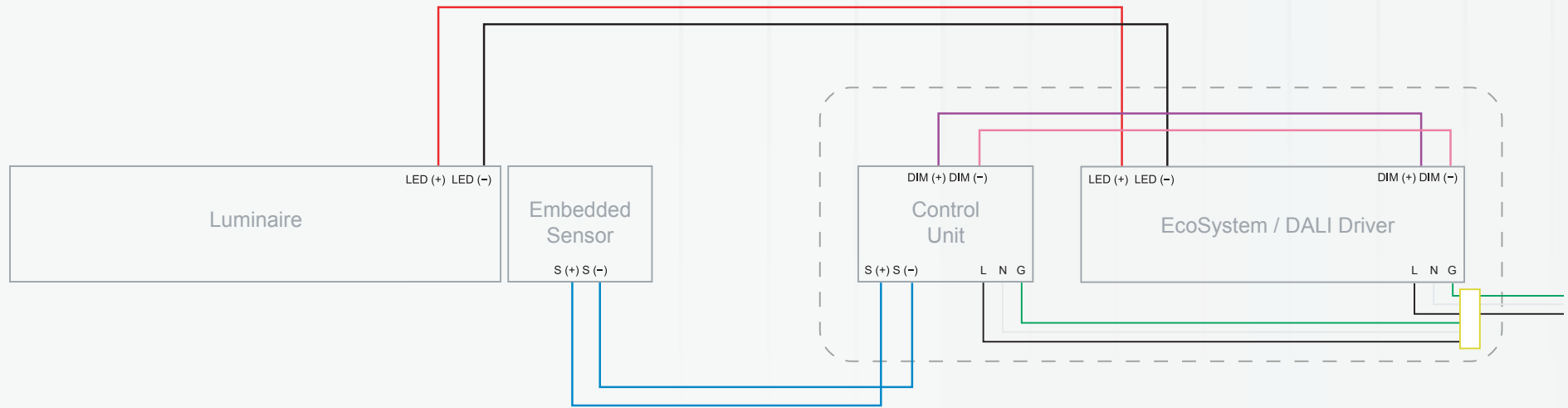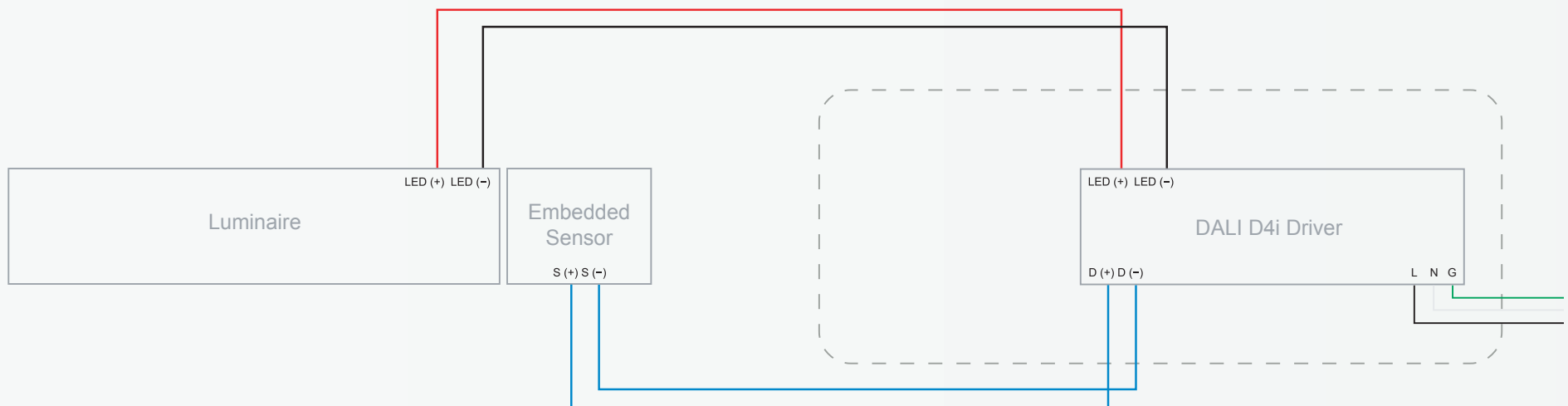
nLight Air
Wiring Diagrams

nLIGHT®

A 0-10V driver with AUX, no control unit

Luminaire	Embedded Sensor		0-10V driver with 12-24V 60mA AUX
LED (+) LED (−)	DIM (+) DIM (−)		LED (+) LED (−) DIM (+) DIM (−)
	AUX (+) AUX (−)		AUX (+) AUX (−) L N G

B 0-10V driver with power supply

Luminaire	Embedded Sensor	Power Supply	0-10V Driver with AUX
LED (+) LED (−)	DIM (+) DIM (−)		LED (+) LED (−) DIM (+) DIM (−)
	AUX (+) AUX (−)	AUX (+) AUX (−) L N G	L N G

nLight Wired
Wiring Diagrams

vodeCONNECT™
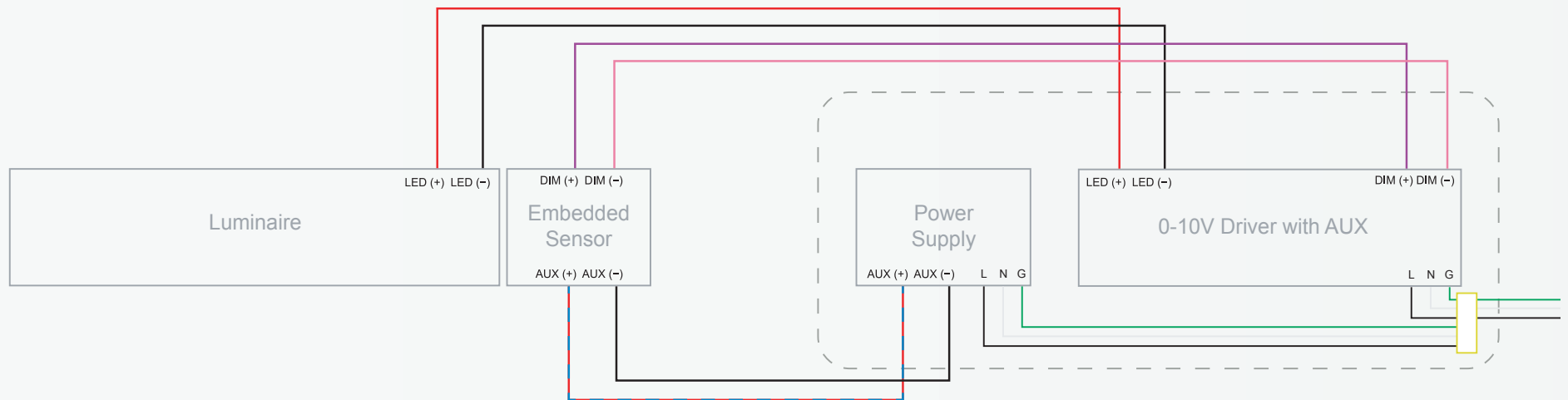
nLIGHT®

A LEDcode intensity dimming powered by driver AUX

Luminaire	Embedded Sensor	nLight Module	LEDcode 2.1 or DALI driver with 16-24V18mA AUX
LED (+) LED (−)	CAT-5e	DIM (+) DIM (−) ... CAT-5e L N G	LED (+) LED (−) ... LEDcode (+) LEDcode (−) ... L N G

B 0-10V intensity dimming powered by driver AUX

Luminaire	Embedded Sensor	nLight Module	0-10V Driver with AUX
LED (+) LED (−)	CAT-5eC	DIM (+) DIM (−) ... AT-5e AUX (+) AUX (−)	LED (+) LED (−) ... DIM (+) DIM (−) ... AUX (+) AUX (−) ... L N G
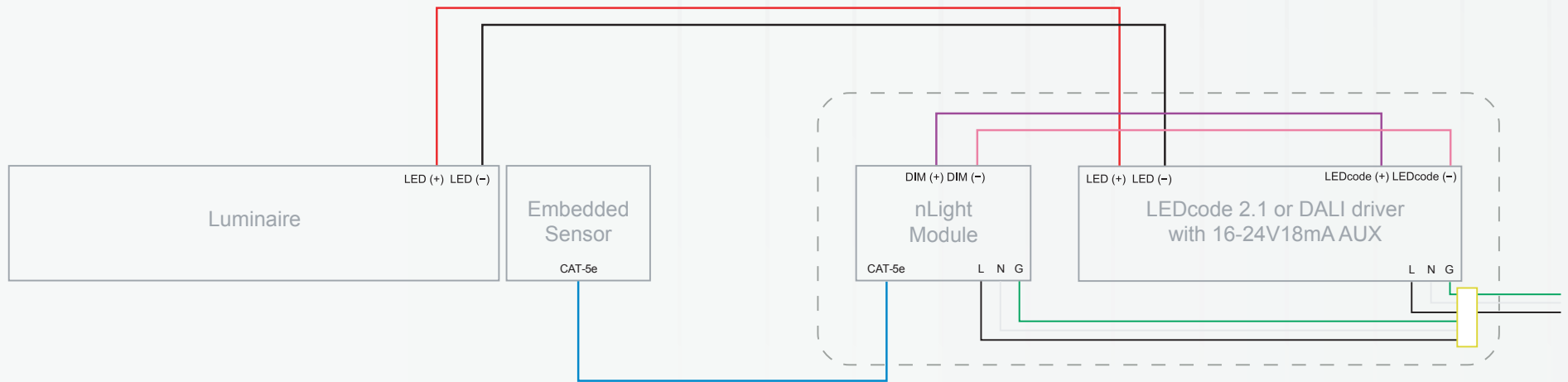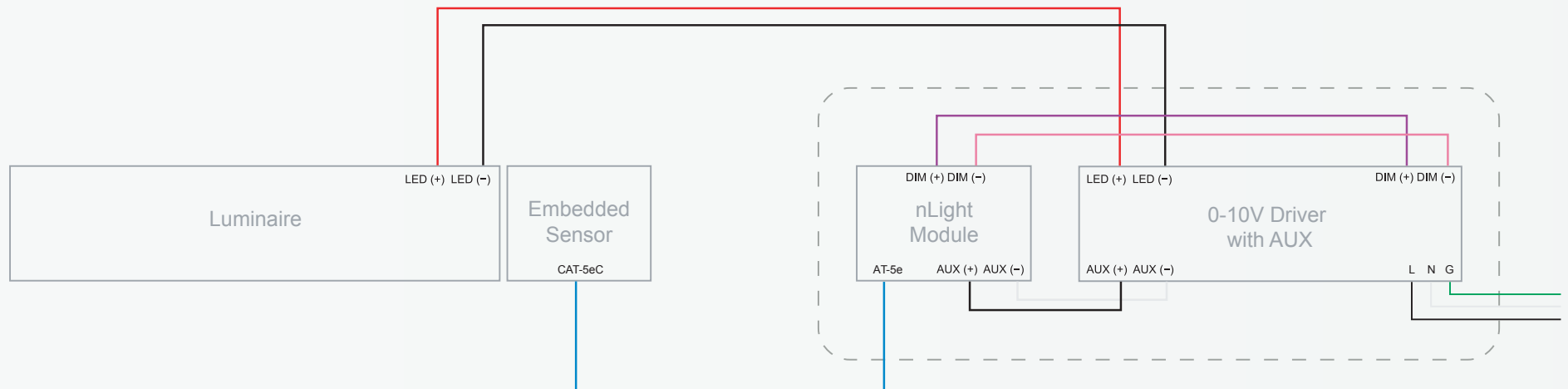
nLight Wired

Wiring Diagrams

C | 0-10V driver with control unit

| Luminaire | Embedded Sensor | | nLight Control Unit | 0-10V Driver with AUX |

LED (+) LED (−)

CAT-5eC

DIM (+) DIM (−)

AT-5e   L   N   G

LED (+) LED (−)   DIM (+) DIM (−)

L   N   G
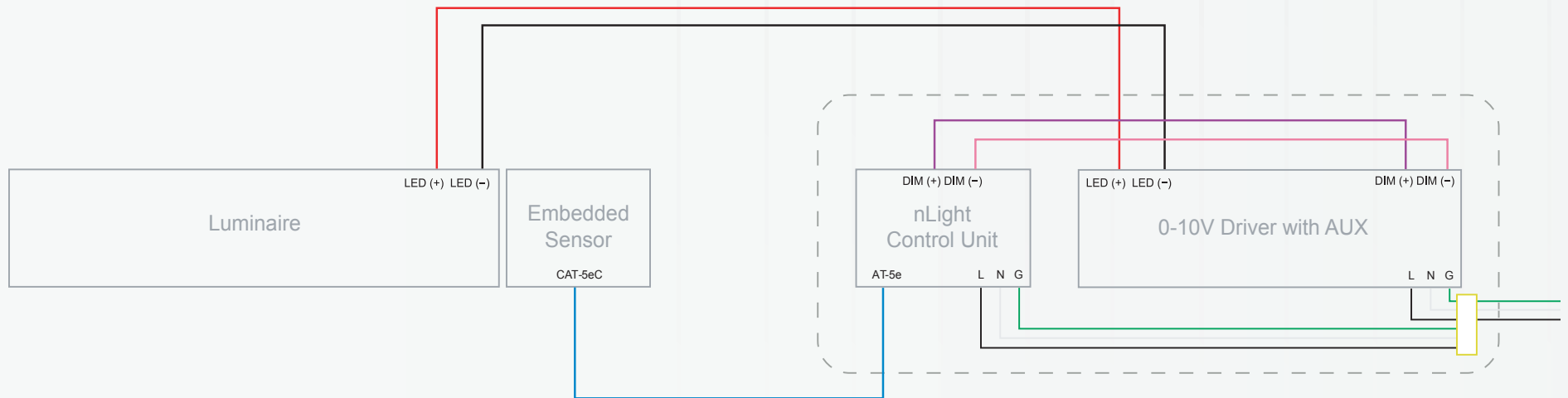
Sensor Facts

1. Encelium SensiLUM

- Max remote mounting distance:
  - 100ft (30.5m) with 18 AWG wire
- Max drivers per sensor:
  - 10 with 0-10V
  - 4 with DALI D4i
- Max sensors per driver:
  - 1
- Sensor input power:
  - < 1W
- Cable connection:
  - 4 conductor wire harness

2. Enlighted Micro Sensor

- Max remote mounting distance:
  - 100ft (30.5m) with Cat 5e cable
  - 100ft (30.5m) with 18 AWG wire
- Max drivers per sensor
  - Typically 5 (some drivers up to 24)
- Max sensors per driver
  - 1 with 0-10V power pack
  - 15 with DALI adapter
- Sensor input power
  - < 1W
- Cable connection
  - Cat 5e cable

3. Legrand Wattstopper

- Max remote mounting distance:
  - 100ft (30.5m) with 18 AWG
- Max drivers per sensor:
  - 1 with DALI D4I
  - 8 with 0-10V
- Max sensors per driver:
  - 1
- Sensor input power:
  - < 1W
- Cable connection:
  - 2 conductor wire harness
- Notes:
  - Stand-alone functionality

4. Lutron Athena

- Max remote mounting distance
  - 100ft (30.5m) with 18 AWG wire
- Max drivers per sensor
  - 5
- Max sensors per driver
  - 1
- Sensor input power
  - < 1W
- Cable connection
  - 4 conductor wire harness
- Notes:
  - Each Athena wireless node should be installed within 25ft (7.6m) of two or more Athena wireless nodes or other Clear Connect – Type X devices.

5. Lutron Vive

- Max remote mounting distance:
  - 60ft (18.3m) with 18 AWG wire
- Max drivers per sensor:
  - 2 with Optitronic self-power
  - 4 with power pack
- Max sensors per driver:
  - 1
- Sensor input power:
  - < 1W
- Cable connection:
  - 2 conductor wire harness
- Notes:
  - Stand-alone functionality

6. nLight Air

- Max remote mounting distance
  - 9ft (2.7m) with LEDcode
  - 100ft (30.5m) with AUX
- Max drivers per sensor
  - 1
- Max sensors per driver
  - 1
- Sensor input power
  - < 1W
- Cable connection
  - 4 conductor wire harness
- Notes:
  - Does not support tunable white or dim-to-warm

7. nLight Wired

- Max remote mounting distance
  - 100ft (30.5m) with Cat 5e cable
- Max drivers per sensor
  - 1 with driver power
  - 37 with power pack
- Max sensors per driver
  - 1 with driver power
  - 13 with power pack
- Sensor input power
  - < 1W
- Cable connection
  - Cat 5e cable

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