Type:

Job:

4½″

18⅞″, 26¾″, 37⅝″ or 48⁷⁄₁₆″

LUMEN OUTPUT: Direct (D1)

		LO	MO	SO	HO
18″:	lm	950	1650	1950	2150
	w	17	33	43	51
2′:	lm	2100	3150	3900	4800
	w	32	53	72	94
3′:	lm	5800	9100	11350	N/A
	w	82	141	201	
4′:	lm	9200	11420	18200	N/A
	w	129	169	289	

CLICK HERE
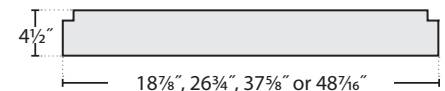
Lumen output may vary +/- 5%

See LED Details PDF for more info

A top-selling classic.

Hand-spun steel housing with a soft radius edge. Often partnered with our P8900 recessed rounds. Compare withour new P4000. Choose from one of our Premium Colors with no set-up fee.

nLight

5 YEAR LED WARRANTY

LED Details

Made in the US★

D9 ON NEXT PAGE

SE-RIES	LED COLOR	OUTPUT	SHIELD-ING	COLOR/FINISH	DISTRIBU-TION	CIRCU-ITING	VOLT-AGE	MOUNTING	CEILING SYSTEMS	CONTROLS	DRIVERS	OPTIONS
P3918 18″ Dia. P3920 2′ Dia. P3930 3′ Dia. P3940 4′ Dia.	TU Tū Hue Tunable White (2700K to 6500K)	LO Low MO Medium SO Standard HO High	FWA Flat White Acrylic Lens VWA Convex White Acrylic Lens (1″ Max Drop)	TMW Textured Matte White YGW Gloss White (Standard) Y__ Premium Color CC Custom Color **NOTE:** All canopies are painted the same color as the fixture unless specified otherwise	D1 Direct D9 Semi-Direct (20-30% uplift, NA Surface) **NOTE:** 18″ & 2′: NA - D9 LO	SC Single Circuit DC Dual Circuit	UNV (120-277)	SUR Surface Mount (P3950 T-bar consult factory) 3/4RPM48″, 96″ or 144″ Round Cast Aluminum Canopy (3RPM: Min from fixture to ceiling 18″: 6″, 2′: 6″ / 4SPM: 3′: 10″, 4′: 15″, 5′: 24″) 3/4SPM48″, 96″ or 144″ Square Cast Aluminum Canopy (3SPM: Min from fixture to ceiling 18″: 6″, 2′: 6″ / 4SPM: 3′: 10″, 4′: 15″, 5′: 24″) MPCA48″, 96″ or 144″ Monopoint Mounting (For 18″ & 2′: 9″ min. from fixt. to ceiling, for 3′: 18″ from fixt. to ceiling. NA P4040) CA48″, 96″ or 144″ Aircraft Cable (Adjustable, NA P3950) SSC__ Top-Swivel Stem Mount for Hard Ceilings (Specify length in inches, NA P3950)	X1 T-Bar ¹⁵⁄₁₆″ or ⁹⁄₁₆″ Exposed (Standard) Consult factory for ⁹⁄₁₆″ Tegular X3 Hard Ceiling X6 Slot Grid	0-10V Uses E10V Driver DALI Uses EDALI Driver DMX Uses EDMX Driver nLight Uses EDALI Driver	E10V .1% 0-10V DUALdrive, EldoLED (Dim to Dark [Off] Tunable White) EDALI DALI DUALdrive, EldoLED (Dim to Dark [Off] Tunable White) EDMX DMX POWERdrive, EldoLED (Dim to Dark [Off] Tunable White)	EMHE CA T20 Emergency Battery (18″-2′: Remote only; 3′-4′: 900 delivered lumens; CA Title 20 compliant) PruTune Wall Device (EDALI driver only, one PruTune device for each zone) ETRAN 0-10V to DALI Eldo Translator

Sky Oculus Series   1

06-07-2021

D1 DIRECT

P3930-TW

11889	Delivered Lumens
113	Watts
106	lm/w
Test	#L031511001
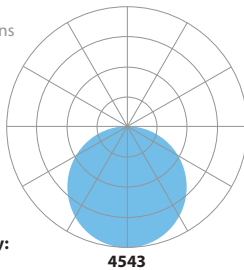
Zonal Lumen Summary:
0-90 = 100%

4543

Vertical Angle	0°	25°	45°	65°	90°
0°	4543	4543	4543	4543	4543
5°	4524	4524	4524	4524	4524
15°	4353	4353	4353	4353	4353
25°	4034	4034	4034	4034	4034
35°	3584	3584	3584	3584	3584
45°	2935	2935	2935	2935	2935
55°	2081	2081	2081	2081	2081
65°	1282	1282	1282	1282	1282
75°	527	527	527	527	527
85°	126	126	126	126	126
90°	0	0	0	0	0

Luminance Chart:

Angle	0°	45°	90°
45°	6487	6487	6487
55°	5670	5670	5670
65°	4741	4741	4741
75°	3182	3182	3182
85°	2259	2259	2259

D9 SEMI-DIRECT

P3930-TW

6140	Delivered Lumens
59	Watts
104	lm/w
Test	#L041411809
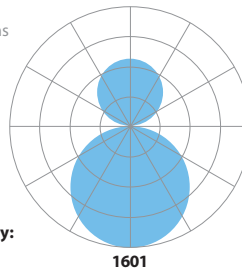
Zonal Lumen Summary:
0-90 = 67%
90-180 = 33%

1601

Vertical Angle	0°	25°	45°	65°	90°
0°	1601	1601	1601	1601	1601
5°	1591	1591	1591	1591	1591
15°	1528	1528	1528	1528	1528
25°	1409	1409	1409	1409	1409
35°	1243	1243	1243	1243	1243
45°	1039	1039	1039	1039	1039
55°	810	810	810	810	810
65°	583	583	583	583	583
75°	339	339	339	339	339
85°	119	119	119	119	119
90°	0	0	0	0	0
95°	40	35	31	30	33
115°	141	151	178	173	169
125°	256	219	223	263	258
135°	351	353	357	358	354
145°	445	446	449	450	446
155°	529	529	531	531	528
165°	592	592	592	591	589
175°	626	629	629	624	622
180°	629	629	629	629	629

LUMEN OUTPUT: Indirect (D9)

		LO	MO	SO	HO
18″:	lm	385*	670*	790	870
	w	4	7	8	9
2′:	lm	490*	770*	910	1125
	w	5	8	10	13
3′:	lm	890	1400	1825	N/A
	w	8	14	20	
4′:	lm	1450	1810	2860	N/A
	w	13	17	29	

*N/A with Dual Circuit   D1 ON PREVIOUS PAGE

LUMEN MAINTENANCE

L70 (LO, MO, SO) — 100,000+ Hours

L70 (HO) — 90,000+ Hours

LED SYSTEM

LED modules and drivers are field replaceable.

CONTROLS

Tunable White can be controlled via the following methods:
— **0-10V:** Control brightness and color independently via 2 dimmers.
— **DALI:** For more precise control. Prudential's PruTune wall control includes a color wheel, dimming indicator and six preset color options (2700K, 3000K, 3500K, 4000K, 5000K & 6500K).
— **nLight*:** Similar to DALI but with easier installation.
— **DMX*:** Recommended for dynamic lighting.

* Both nLight and DMX have Plug-n-Play connectors installed on the fixture

NOTE: Independent control of Up and Down light (dual circuit) requires doubling the above controls for 0-10V and DALI (Four dimmers or two PruTune, or similar, devices). Dual circuit on DMX and nLight is handled via addressing of connected components. Mixing control options is not recommended.

LABELS

ETL damp labeled and I.B.E.W. manufactured.

CONSTRUCTION

Housing   Spun 20 gauge steel, >20% PC recycled, 100% recyclable

Lens   Convex (subtle drop mitigates lamp image) or flat acrylic, 100% recyclable

MOUNTING

Surface or suspended by straight aircraft cables, top-swivel stems

WARRANTY

Single-source, 5 year limited warranty covers standard components and construction.

YSW – Seashell White (Matte)	YCH – Champagne (Metallic)
YSL – Silver (Metallic)	YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)	YSTM – Storm Grey (Matte)
YBK – Black (Matte)	YBB – Black (Semi Gloss)
YSKM – Sky (Matte)	YMB – Military Blue (Matte)
YIB – Interstate Blue (Matte)	YSAM – Sapphire (Matte)
YFGM – Forest Green (Matte)	YBR – Bronze (Matte)
YBY – Boysenberry (Matte)	YSRM – Sunset Red (Matte)
YOR – Orange (Matte)	YDAM – Daffodil (Matte)

Choose from one of our Premium Colors with no set-up fee.

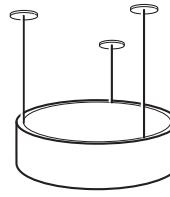For paint chip samples, please email:
info@prulite.com

"The World is our field".

MOUNTING CABLES

MPCA Monopoint Mouting:

18˝ / 2´: (1) 3-Way Cable
3´: (1) 4-Way Cable, NA 4´

CA Aircraft Cable:

2´: (3) Straight Cables *(18˝-X3 N/A)*
3´ / 4´: (4) Straight Cables
Canopies: 5.5˝ Wide
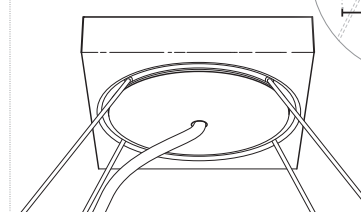

SSC Top-Swivel Stem Mount:
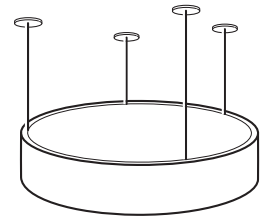
2´: (3) Stems
3´ / 4´: (4) Stems
Canopies: 5.5˝ Wide

3/4RPM48˝, 96˝ or 144˝: Round Cast Aluminum Canopy
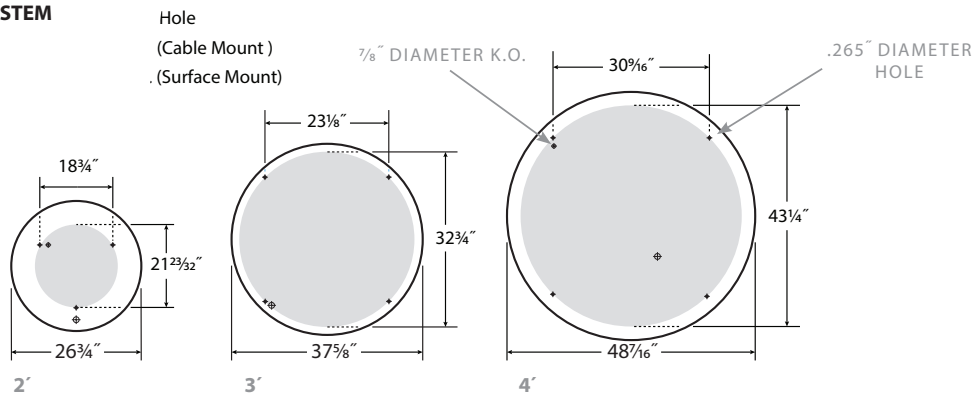*3RPM: 18˝, 2´ (3 Cables) / 4RPM: 3´ & 4´(4 Cables)*

1⅝˝
6½˝
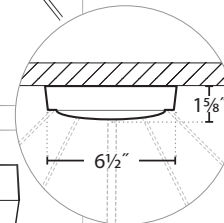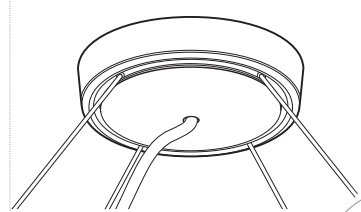
3/4SPM48˝, 96˝ or 144˝: Square Cast Aluminum Canopy
3SPM: 18˝, 2´ (3 Cables) / 4SPM: 3´ & 4´ (4 Cables)

MOUNTING LOCATIONS

STEM

Hole
(Cable Mount)
. (Surface Mount)

⅞″ DIAMETER K.O.   .265″ DIAMETER HOLE

18¾″   26¾″   21²³/₃₂″   **2′**

23⅛″   37⅝″   32¾″   **3′**

30⁹/₁₆″   48⁷/₁₆″   43¼″   **4′**

MPCA, CAX & SUR

○ Power Feed
◆ ⁵/₁₆″ Mounting Hole
⊕ ½″ Wiring K.O. (Cable Mount)
⊕ ⅞″ Wiring K.O. (Surface Mount)

11½″   18⅞″   13¹¹/₃₂″   **18″**

9²⁹/₃₂″   26¾″   11½″   **2′**

15⁹/₁₆″   37⅝″   22″   **3′**

22²⁹/₃₂″   48⁷/₁₆″   32½″   **4′**

Sky Oculus Series   4

06-07-2021
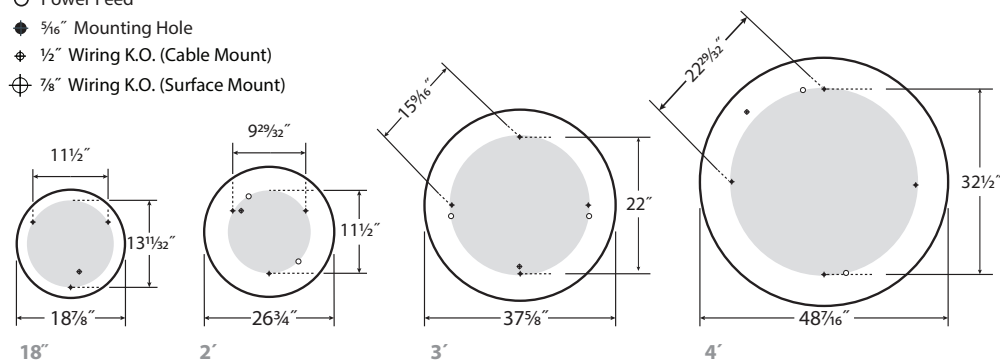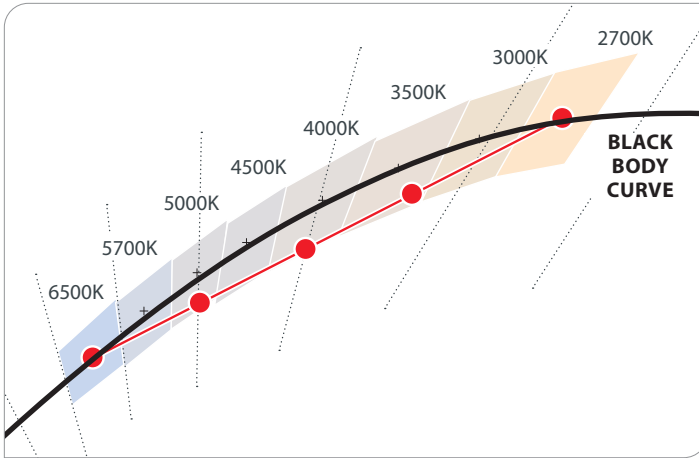
TARGETED CCT	TESTED CCT	LUMEN OUTPUT	TOTAL POWER (W)	CRI	R9	DUV
6500	6100	+ 2%	- 11%	96	96	0
5000	4675	STATED LUMENS ON LUMEN CHART	- 14%	95	96	- 0.005
4000	3675	+ 2%	- 13%	94	85	- 0.007
3500	3225	+ 1%	- 12%	93	74	- 0.006
3000	2875	STATED LUMENS ON LUMEN CHART	- 6%	93	57	- 0.004
2700	2650	- 2%	STATED WATTS ON LUMEN CHART	91	46	- 0.002

LIGHT OUTPUT AND COLOR

— Actual CCT is below targeted, especially in cooler range as a function of LED chip

— Light output is held constant over full color range and output matches static white PRU fixtures for easy specification (Low, Medium, Standard and High output), see spec sheets for delivered lumens for individual fixtures (varies). Lumen output may vary +/- 5%
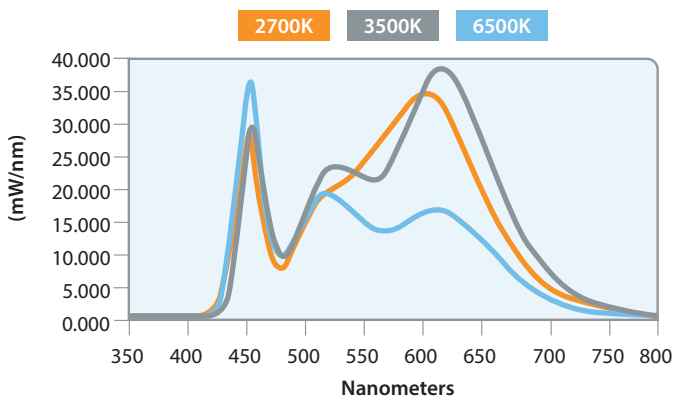
ELECTRICAL

0-10V:

— Universal Input Voltage (120-277VAC)

— 0.1% Dimming

— Controlled by two individual 0-10V signals, one for light output (to 1%), the other for adjusting CCT (2700K-6500K)

— 50,000 hours rated life at 70˚C max driver case temperature

— 87% efficiency   — THD <20%   — PF >0.9

DALI:

— Universal Input Voltage (120-277VAC)

— DALI control system (by others) or PRUTune DALI wall device to control color temperature and brightness

NOTE: PRUTune wall device only requires Purple & Grey wires common to 0-10v wiring, ideal for control of individual spaces

— 50,000 hours rated life at 70˚C max driver case temperature

— 87% efficiency   — THD <20%   — PF >0.9

DMX:

— Universal Input Voltage (120-277VAC)

— DMX control system (by others) for control of CCT and brightness

— DMX drivers have multiple output channels that can be independently addressed at the factory

— 50,000 hours rated life at 70˚C max driver case temperature

— 86% efficiency   — THD <20%   — PF >0.9

PRUTUNE WALL DEVICE

BRIGHTNESS: 0.1%-100%

COLOR WHEEL

POWER INDICATOR
RED : OFF
BLUE : ON

ON / OFF

2700   3000   3500
4000   5000   6500

PRESET COLOR TEMPERATURES
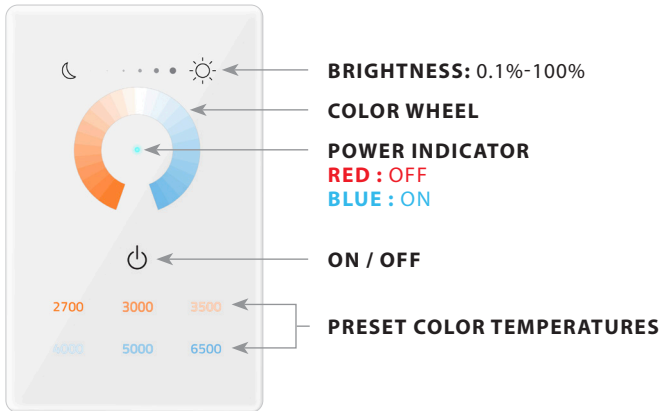
PRUTune DALI device includes:

— Easy-to-understand user control with intuitive design

— Out-of-the-box set-up, no commissioning needed

— Color wheel for color change from 2700K to 6500K

— Dimming to 0.1% (255 Steps)

— Six preset colors (2700K, 3000K, 3500K, 4000K, 5000K, 6500K)

— Must use DALI driver, consult factory to control non-Prudential Ltg Tunable White fixtures

— Control one (1) zone - up to 30 drivers
(Consult factory for fixture quantity dependant upon fixture type, size & output)

PRUTune + EMHE: — Prutune does not have memory
— Once normal power is restored, the controller sends a signal of 100% intensity and 6500K CCT

EXPLODED VIEW

Ensure arrows are aligned when assembling 'Pru wall device'
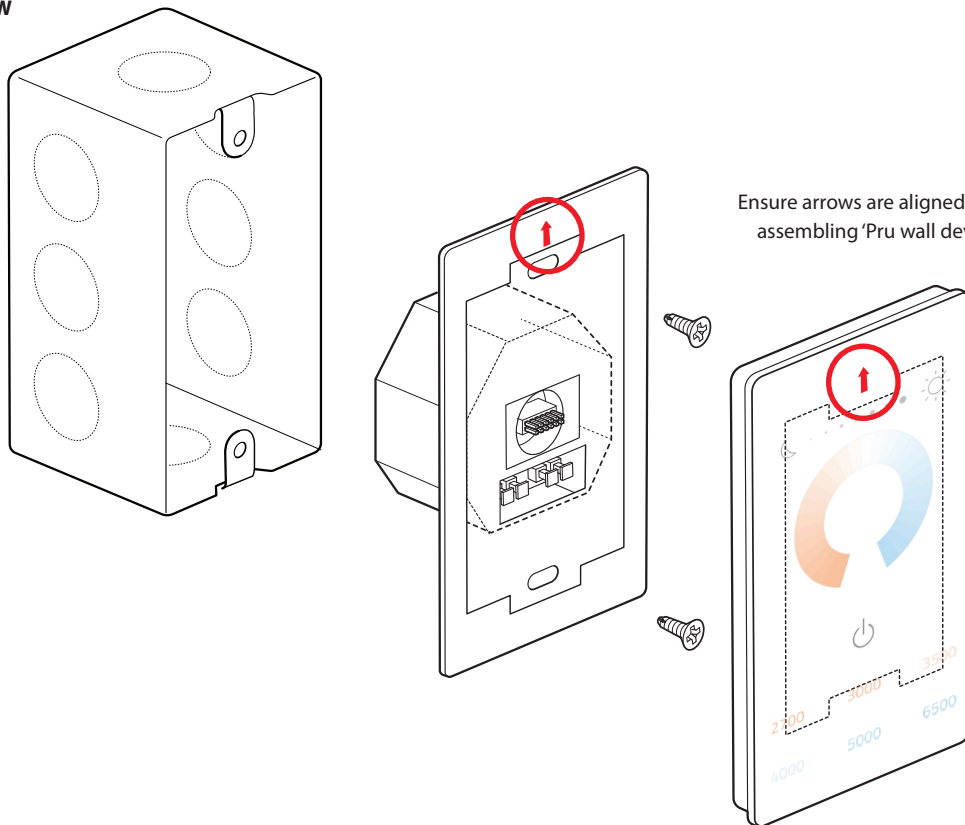
D1/D9 – SC – 0-10v

Single Control for Color, Single Control for Intensity
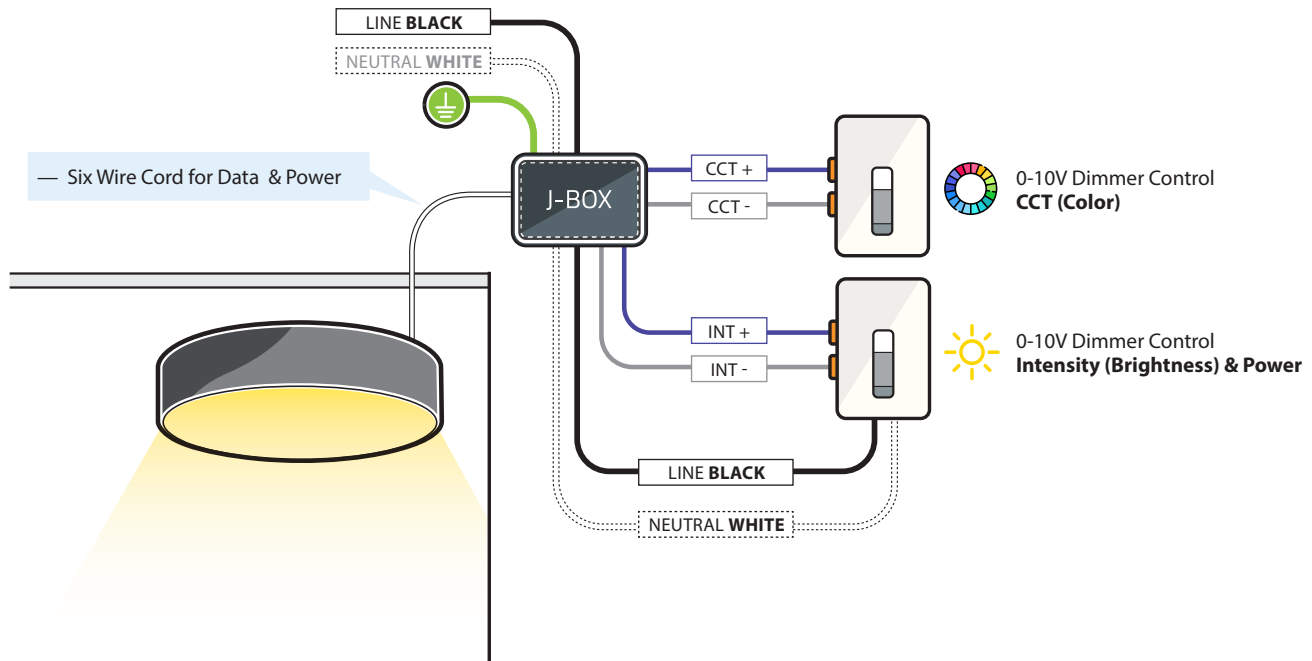
— Six Wire Cord for Data & Power

LINE **BLACK**
NEUTRAL **WHITE**

J-BOX

CCT +
CCT -

INT +
INT -

LINE **BLACK**
NEUTRAL **WHITE**

0-10V Dimmer Control
CCT (Color)

0-10V Dimmer Control
Intensity (Brightness) & Power

— Cord (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately.
  Wire colors shown below are representative of the wires inside the fixture.

— Junction box wiring by others. *Wire colors shown are for illustration purposes only.*

J-BOX WIRING DETAIL:

INT+ **BLUE**
INT-/CCT- **ORANGE**
CCT+ **RED**
LINE **BLACK**
NEUTRAL **WHITE**
GROUND **GREEN**

DATA & POWER CORD

LIGHTING FIXTURE INTERNAL DETAILS:

BLUE — INT+ — **PURPLE**
ORANGE — INT−/CCT− — **GREY**
RED — CCT+ — **PURPLE/BLACK**
GREY/BLACK
LINE **BLACK**
NEUTRAL **WHITE**
GROUND **GREEN**

0-10V DRIVER

Output 1+ : **RED**
Output 1− : **BLUE**
Output 2+ : **RED / WHITE**
Output 2− : **BLUE / WHITE**

TUNABLE WHITE LED BOARD

+ 2700K Warm −

+ 6500K Cool −
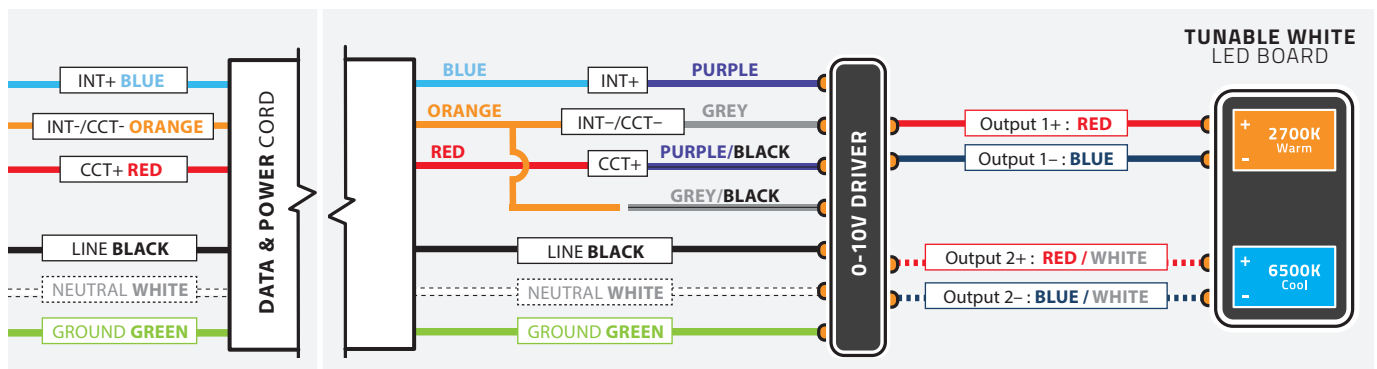
D9 – DC – 0-10v
Dual Control for both Color & Intensity (Control Up/Down separately)

2 CORDS REQUIRED

LINE **BLACK**
NEUTRAL **WHITE**

— (2x) Six Wire Cord for Data

J-BOX

CCT +
CCT -
INT +
INT -

DOWNLIGHT

0-10V Dimmer Control
CCT (Color)

0-10V Dimmer Control
Intensity (Brightness) & Power

LINE **BLACK**
NEUTRAL **WHITE**

UPLIGHT

INT +
INT -

0-10V Dimmer Control
Intensity (Brightness) & Power

CCT +
CCT -

0-10V Dimmer Control
CCT (Color)

— Cords (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately.
  Wire colors shown below are representative of the wires inside the fixture.

— Junction box wiring by others. *Wire colors shown are for illustration purposes only.*
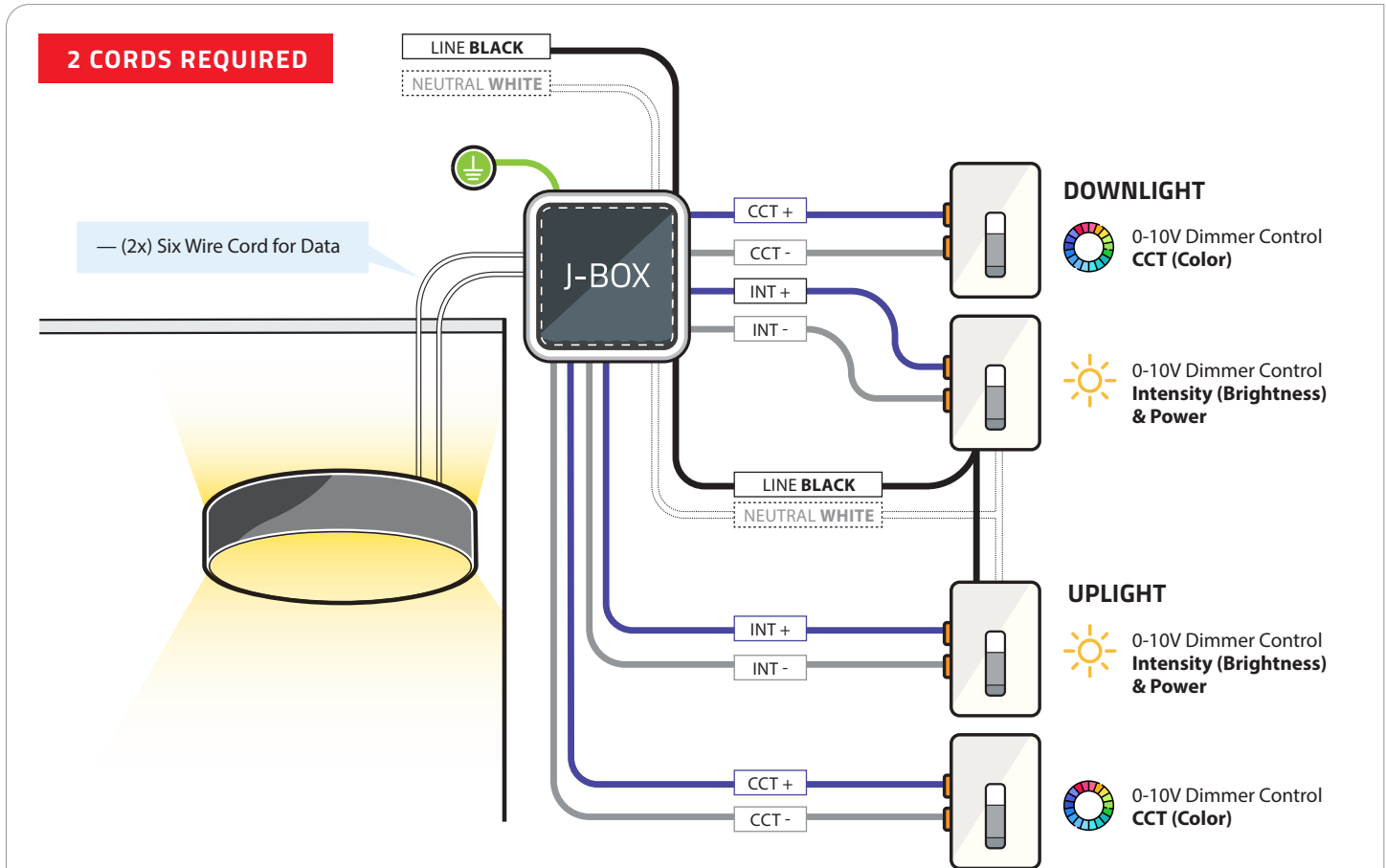
J-BOX WIRING DETAIL:

INT+ **BLUE**
INT-/CCT- **ORANGE**
CCT+ **RED**
LINE **BLACK**
NEUTRAL **WHITE**
GROUND **GREEN**

DATA & POWER CORD

LIGHTING FIXTURE INTERNAL DETAILS:

BLUE   INT+   **PURPLE**
ORANGE   INT-/CCT-   **GREY**
RED   CCT+   **PURPLE/BLACK**
                      GREY/BLACK
LINE **BLACK**
NEUTRAL **WHITE**
GROUND **GREEN**

0-10V DRIVER

Output 1+ : **RED**
Output 1– : **BLUE**

Output 2+ : **RED / WHITE**
Output 2– : **BLUE / WHITE**

TUNABLE WHITE
LED BOARD

+ **2700K** Warm –

+ **6500K** Cool –
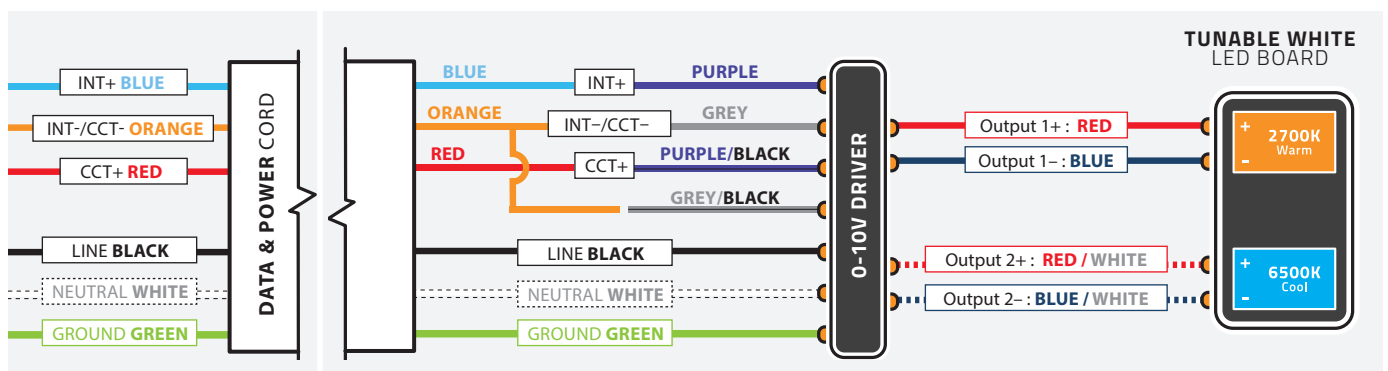
D9 – DC – 0-10v
Single Control for Color, Dual Control for Intensity

2 CORDS REQUIRED

LINE **BLACK**

NEUTRAL **WHITE**

— (2x) Six Wire Cord for Data & Power

J-BOX

CCT +
CCT -
INT +
INT -

UPLIGHT & DOWNLIGHT
0-10V Dimmer Control
CCT (Color)

UPLIGHT
0-10V Dimmer Control
Intensity (Brightness) & Power

LINE **BLACK**
NEUTRAL **WHITE**

INT +
INT -

DOWNLIGHT
0-10V Dimmer Control
Intensity (Brightness) & Power

— Cords (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately.
   Wire colors shown below are representative of the wires inside the fixture.

— Junction box wiring by others. *Wire colors shown are for illustration purposes only.*
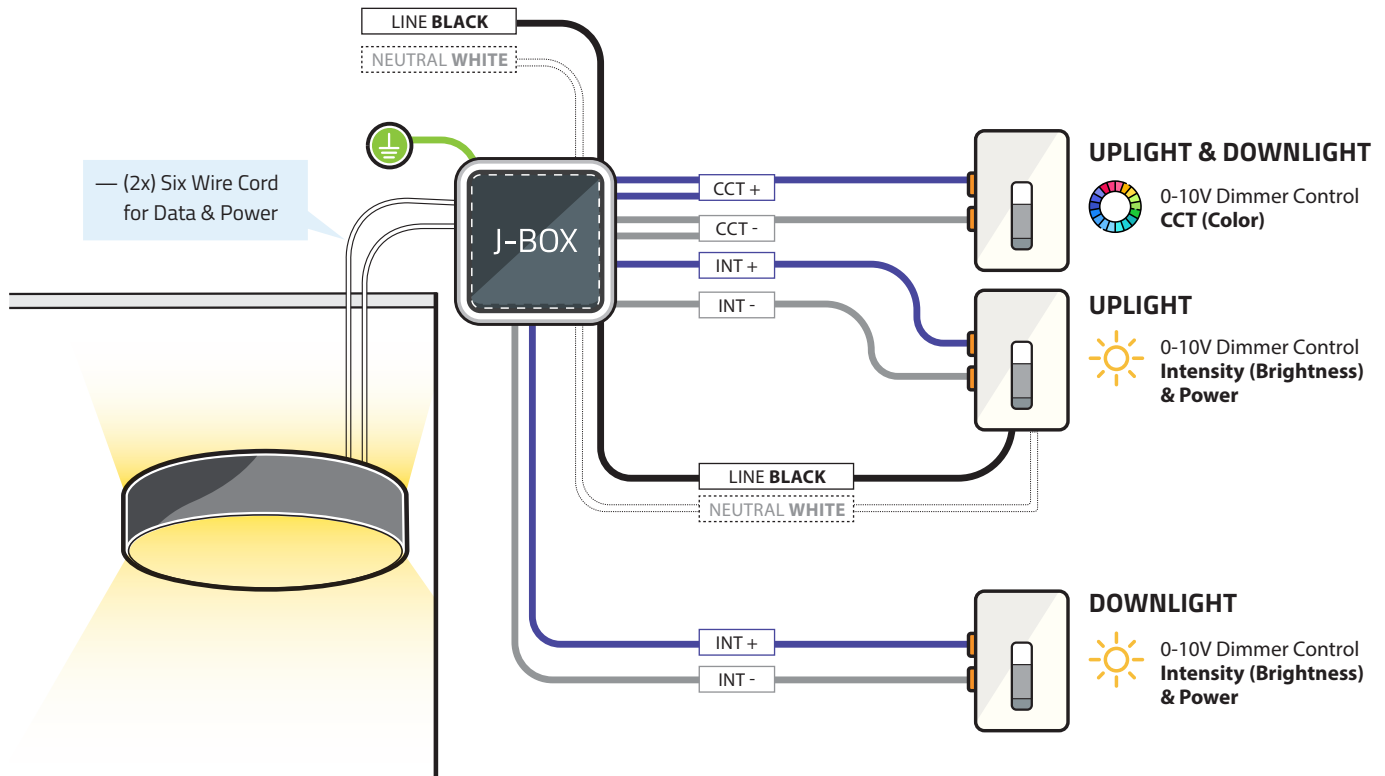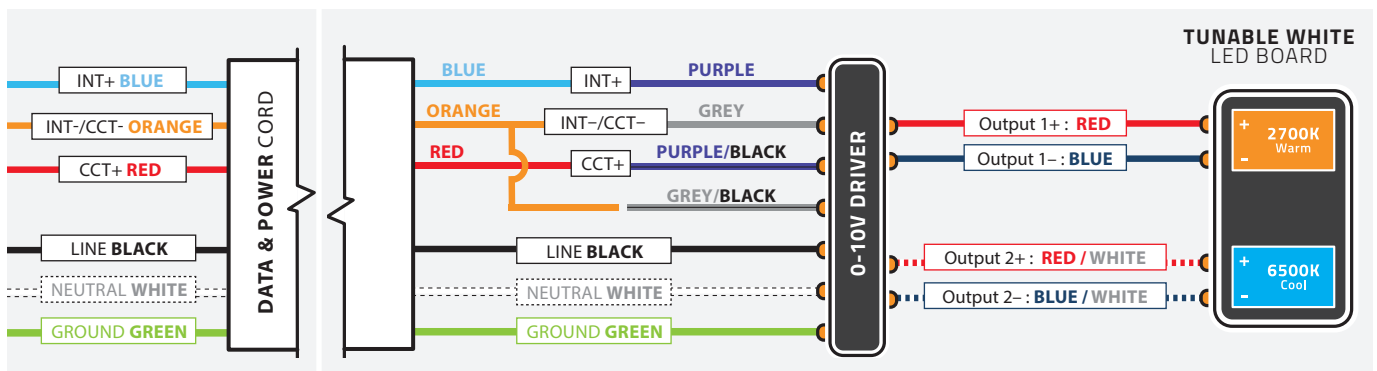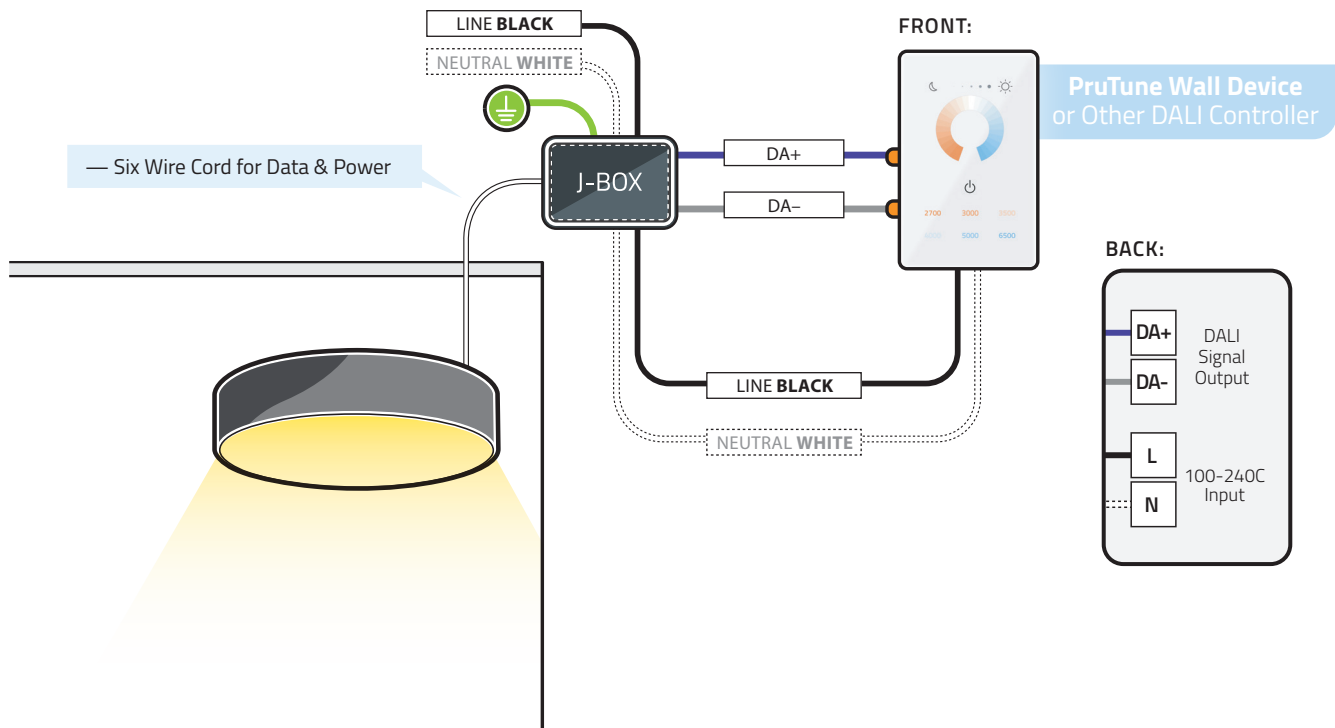
J-BOX WIRING DETAIL:

INT+ **BLUE**
INT-/CCT- **ORANGE**
CCT+ **RED**
LINE **BLACK**
NEUTRAL **WHITE**
GROUND **GREEN**

DATA & POWER CORD

LIGHTING FIXTURE INTERNAL DETAILS:

BLUE — INT+ — **PURPLE**
ORANGE — INT−/CCT− — **GREY**
RED — CCT+ — **PURPLE/BLACK**
GREY/BLACK
LINE **BLACK**
NEUTRAL **WHITE**
GROUND **GREEN**

0-10V DRIVER

Output 1+ : **RED**
Output 1− : **BLUE**
Output 2+ : **RED / WHITE**
Output 2− : **BLUE / WHITE**

TUNABLE WHITE LED BOARD

+ **2700K** Warm −

+ **6500K** Cool −

D1/D9 –SC – DALI – PruTune
Single Control for Color & Intensity

LINE **BLACK**

NEUTRAL **WHITE**

FRONT:

— Six Wire Cord for Data & Power

J-BOX

DA+

DA–

PruTune Wall Device or Other DALI Controller

2700   3000   3900
5000   6500

LINE **BLACK**

NEUTRAL **WHITE**

BACK:

DA+ — DALI Signal Output

DA-

L — 100-240C Input

N

— Cord (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately. *Wire colors shown below are representative of the wires inside the fixture.*

— Junction box wiring by others. *Wire colors shown are for illustration purposes only.*
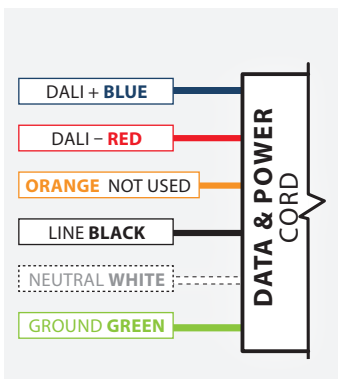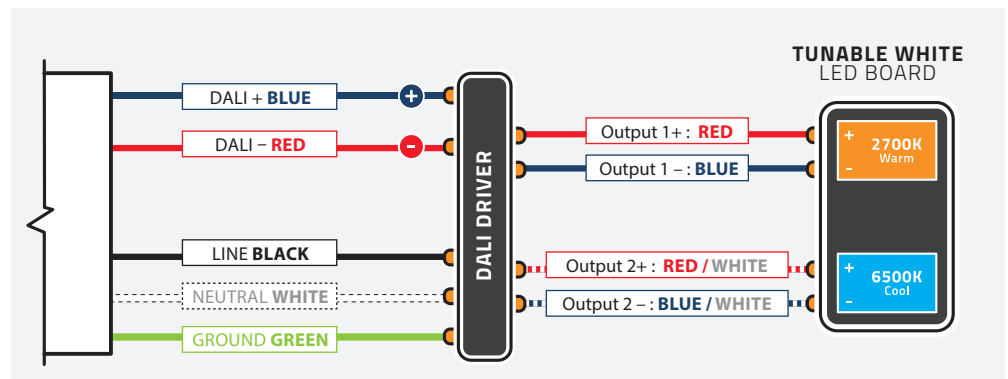
J-BOX WIRING DETAIL:

DALI + **BLUE**

DALI – **RED**

ORANGE NOT USED

LINE **BLACK**

NEUTRAL **WHITE**

GROUND **GREEN**

DATA & POWER CORD

LIGHTING FIXTURE INTERNAL DETAILS:

DALI + **BLUE**   +

DALI – **RED**   −

LINE **BLACK**

NEUTRAL **WHITE**

GROUND **GREEN**

DALI DRIVER

Output 1+ : **RED**

Output 1 – : **BLUE**

Output 2+ : **RED / WHITE**

Output 2 – : **BLUE / WHITE**

TUNABLE WHITE LED BOARD

+ **2700K** Warm −

+ **6500K** Cool −

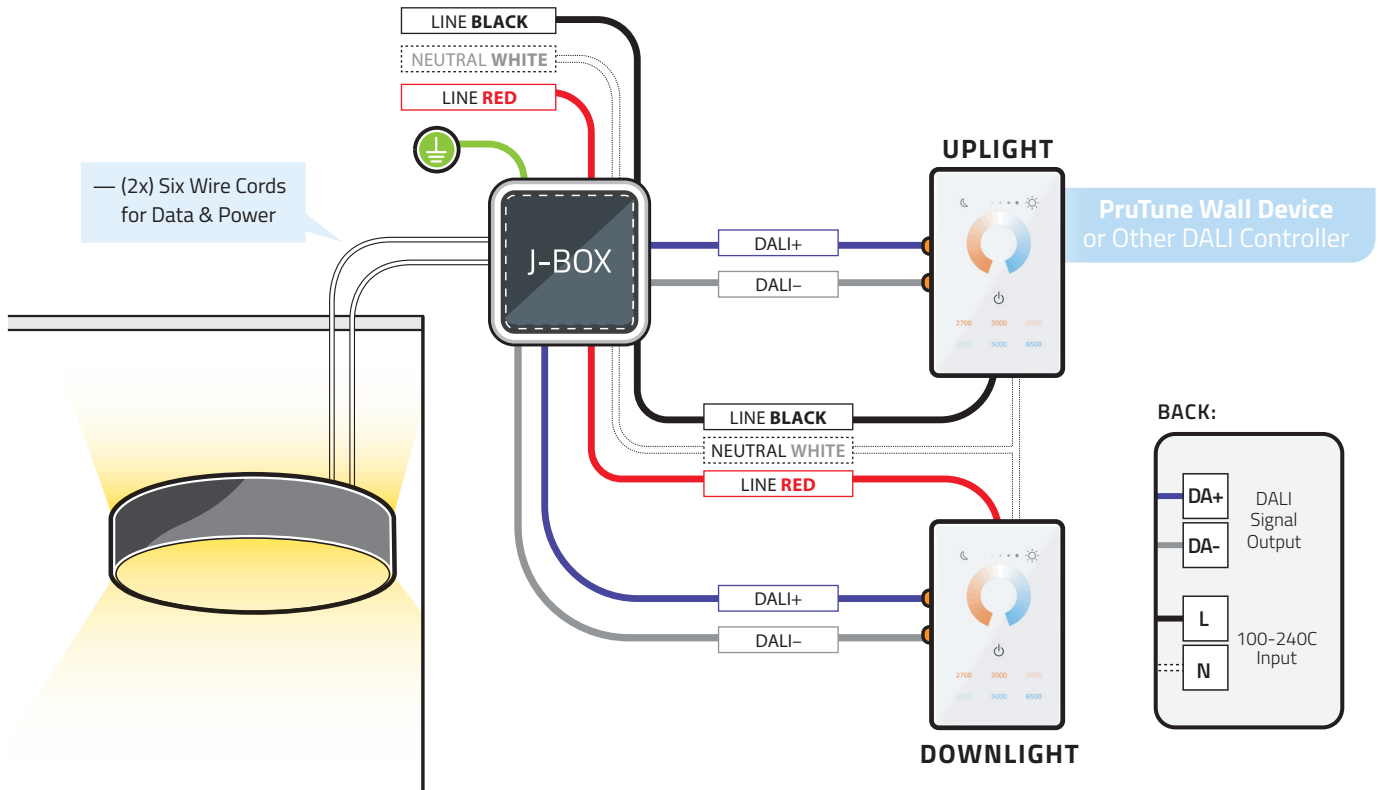# D9 –DC – DALI – PruTune
Single Control for Color & Intensity Down, Separate Control for Color & Intensity Up

2 CORDS REQUIRED

LINE **BLACK**

NEUTRAL **WHITE**

LINE **RED**

— (2x) Six Wire Cords for Data & Power

J-BOX

DALI+

DALI−

UPLIGHT

PruTune Wall Device or Other DALI Controller

2700 3000
5000 6500

LINE **BLACK**

NEUTRAL **WHITE**

LINE **RED**

DALI+

DALI−

2700 3000
5000 6500

DOWNLIGHT

BACK:
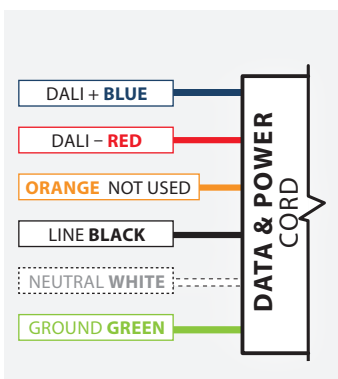
DA+ DALI Signal Output

DA−

L 100-240C Input

N

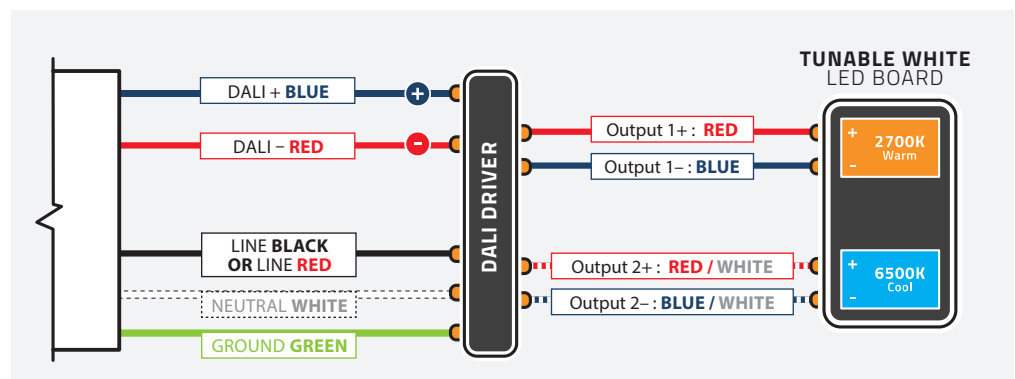— Cords (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately. *Wire colors shown below are representative of the wires inside the fixture.*

— Junction box wiring by others. *Wire colors shown are for illustration purposes only.*
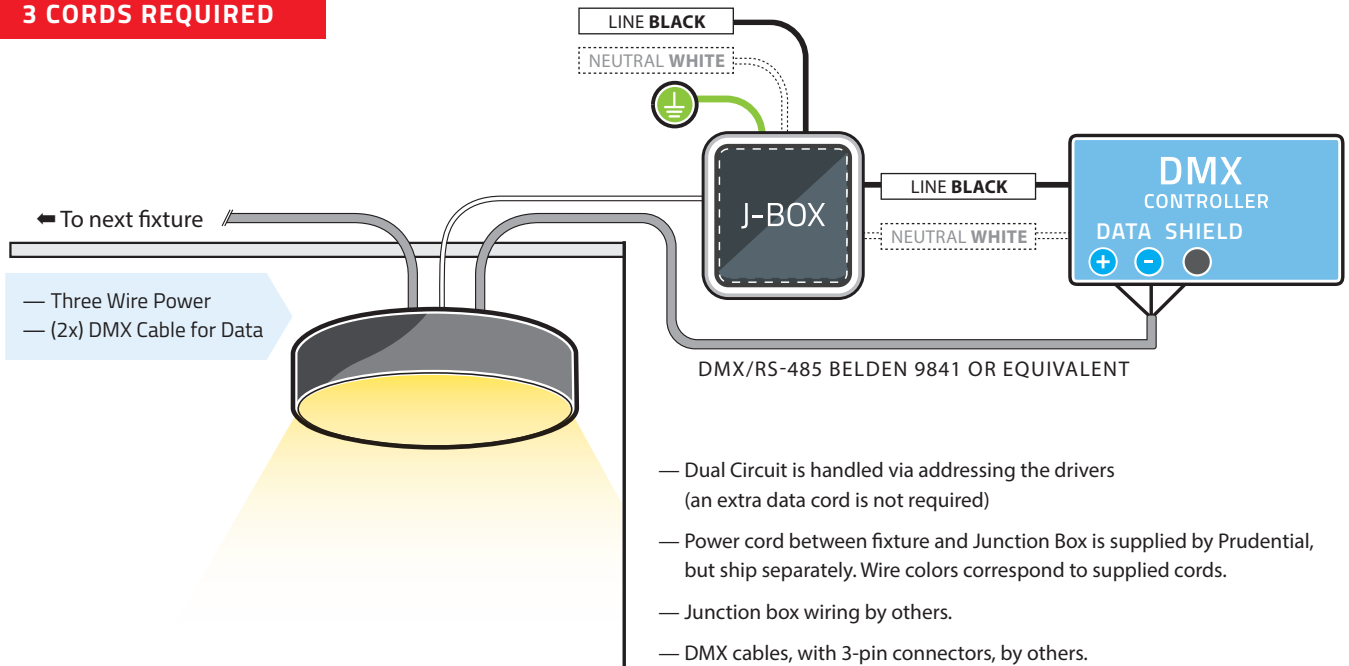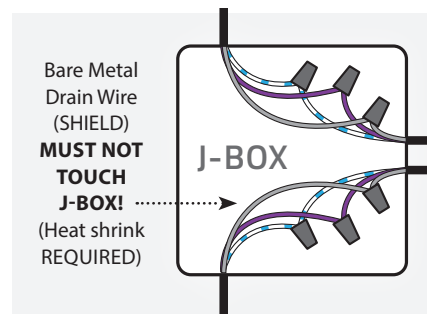
J-BOX WIRING DETAIL:

DALI + **BLUE**

DALI − **RED**

ORANGE NOT USED

LINE **BLACK**

NEUTRAL **WHITE**

GROUND **GREEN**

DATA & POWER CORD

LIGHTING FIXTURE INTERNAL DETAILS:

DALI + **BLUE**   +

DALI − **RED**   −

LINE **BLACK**
OR LINE **RED**

NEUTRAL **WHITE**

GROUND **GREEN**

DALI DRIVER

Output 1+ : **RED**

Output 1− : **BLUE**

Output 2+ : **RED / WHITE**

Output 2− : **BLUE / WHITE**

TUNABLE WHITE
LED BOARD

+ 2700K Warm −

+ 6500K Cool −

D1/D9 – SC – DMX
DMX Control of Color & Intensity

3 CORDS REQUIRED

LINE **BLACK**
NEUTRAL **WHITE**

← To next fixture

J-BOX

LINE **BLACK**
NEUTRAL **WHITE**

DMX
CONTROLLER
DATA SHIELD
+ −

— Three Wire Power
— (2x) DMX Cable for Data

DMX/RS-485 BELDEN 9841 OR EQUIVALENT

— Dual Circuit is handled via addressing the drivers
  (an extra data cord is not required)

— Power cord between fixture and Junction Box is supplied by Prudential,
  but ship separately. Wire colors correspond to supplied cords.

— Junction box wiring by others.

— DMX cables, with 3-pin connectors, by others.

J-BOX WIRING DETAIL:
DMX CONNNECTIONS

Bare Metal
Drain Wire
(SHIELD)
**MUST NOT
TOUCH
J-BOX!**
(Heat shrink
REQUIRED)

J-BOX

DMX CONNECTOR DETAIL:

MALE: **DMX IN**

FEMALE: **DMX OUT**

DMX −
Shield

DMX +

DMX −
Shield
DMX +

8 PIN CONNECTOR DETAIL:

DMX IN +
DMX IN −
DMX IN SHIELD

NOT USED

8 PIN
CONNECTOR

DMX DRIVER

Output 1+ : **RED**
Output 1− : **BLUE**

Output 2+ : **RED / WHITE**
Output 2− : **BLUE / WHITE**

**TUNABLE
WHITE**
LED BOARD

+ **2700K**
Warm
−

+ **6500K**
Cool
−

LINE **BLACK**
NEUTRAL **WHITE**
GROUND **GREEN**

POWER CORD

LINE **BLACK**
NEUTRAL **WHITE**
GROUND **GREEN**
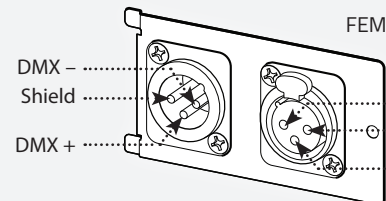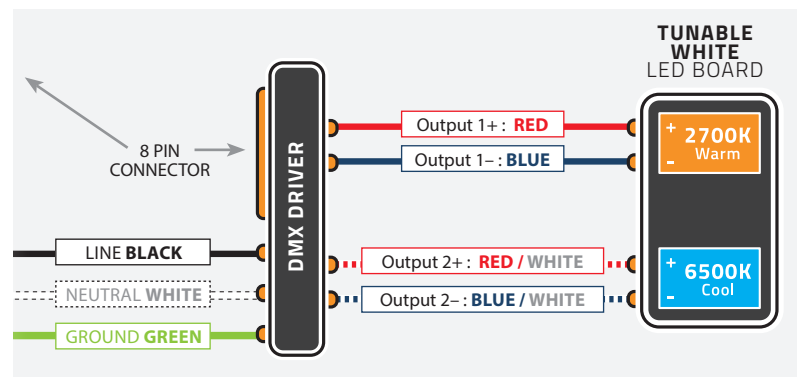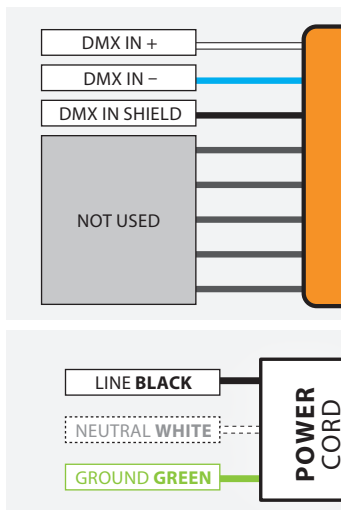
FOR MULTIPLE
FIXTURES
SEE NEXT PAGE

D1/D9 – SC – DMX
DMX Control of Color & Intensity, Multiple Fixtures

IN

FIRST DMX FIXTURE

OUT

DRIVER   **DRIVER**

ELECTRICAL J-BOX

DMX CONTROLLER
(BY OTHERS)

IN

NEXT DMX FIXTURE

OUT

DRIVER   **DRIVER**

ELECTRICAL J-BOX

IN

LAST DMX FIXTURE

OUT

DRIVER   **DRIVER**

ELECTRICAL J-BOX

120 OHM END OF LINE RESISTOR
(BY OTHERS)
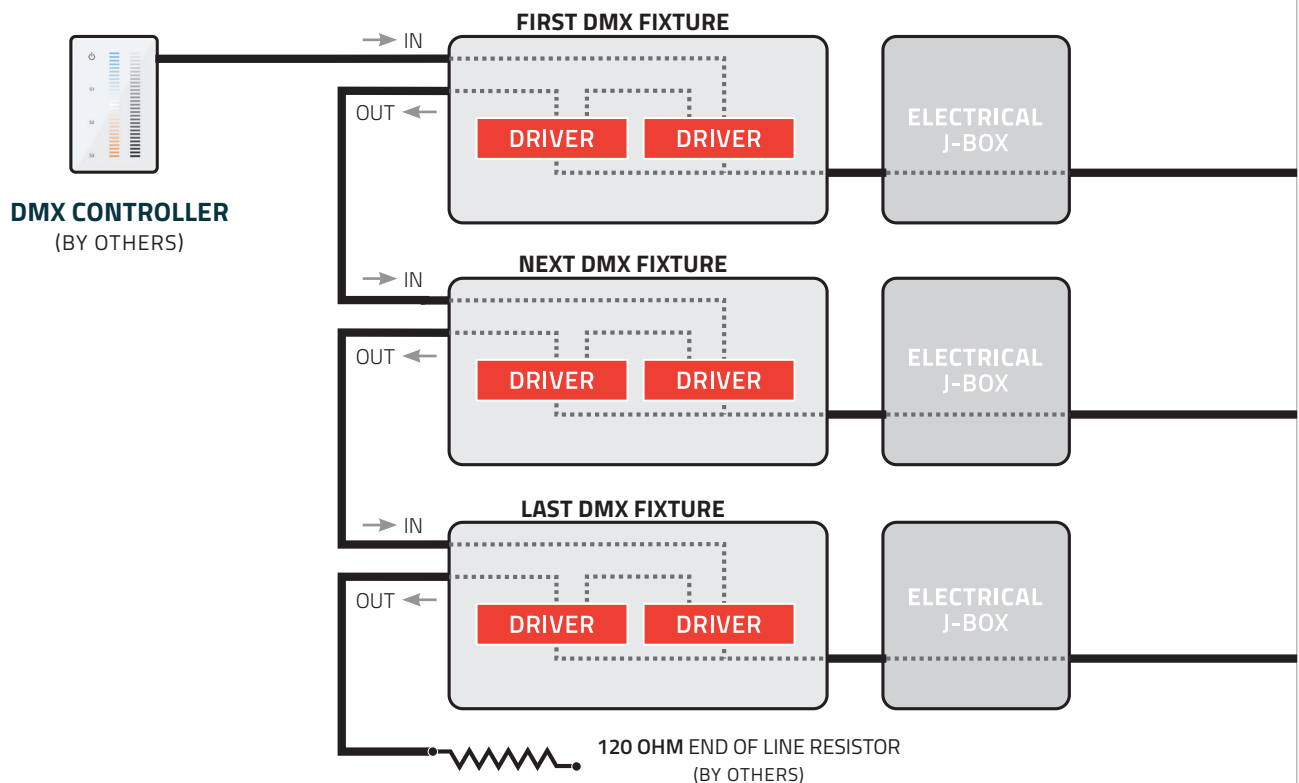
RECOMMENDATIONS

— Complete DMX requirements form.

— Fixtures must be daisy chained. (Drivers internal to fixture and daisy chained)

— Maximum 32 drivers per controller, consult factory for quantity of drivers per fixture.
   If more than 32 drivers a DMX booster / repeater (by others) must be used.

— Keep DMX cable less than 1000ft between controller and end of line resistor.

— Cables connecting fixtures must be designed for DMX/RS-485, Beldin 9841 or equivalent.

— If more than one zone, fixtures per zone must be specified.

SC – nLight
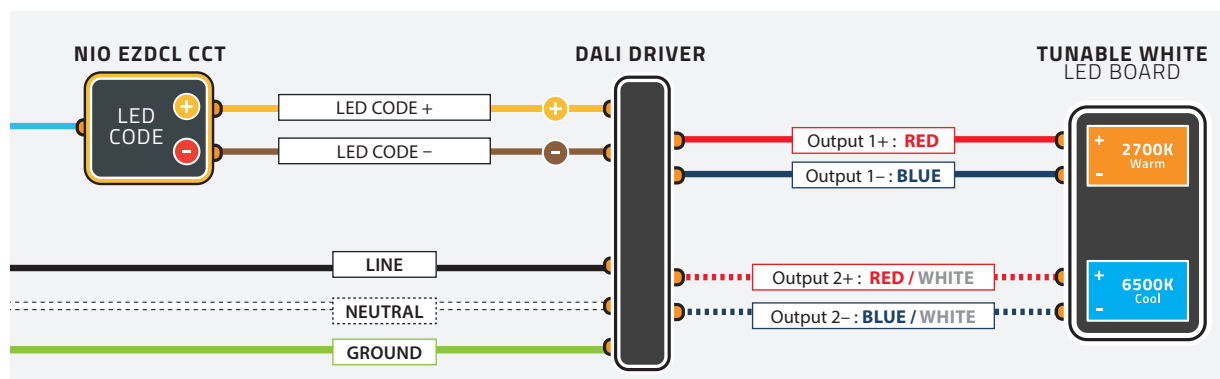(nLight Control of Color & Intensity, One Fixture)

3 CORDS REQUIRED
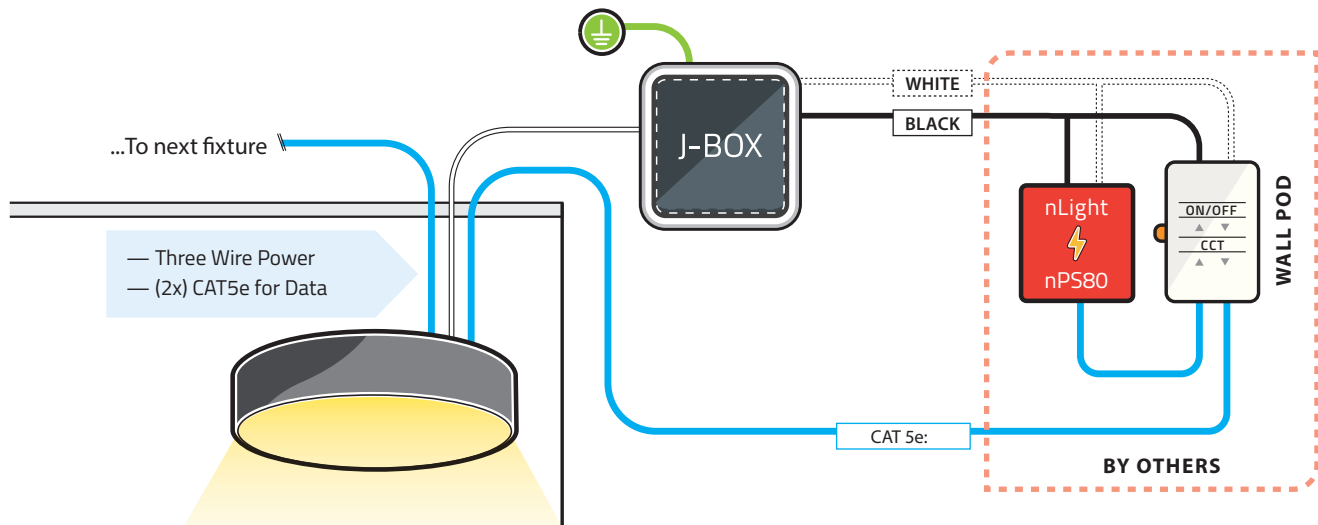
— Cords (Power and Data) between fixture and Junction Box are supplied by Prudential, but ship separately. Wire colors correspond to supplied cords

— Wiring from Junction Box to Controllers is by others Wire colors are for illustration purposes only

— CAT5e cables by others

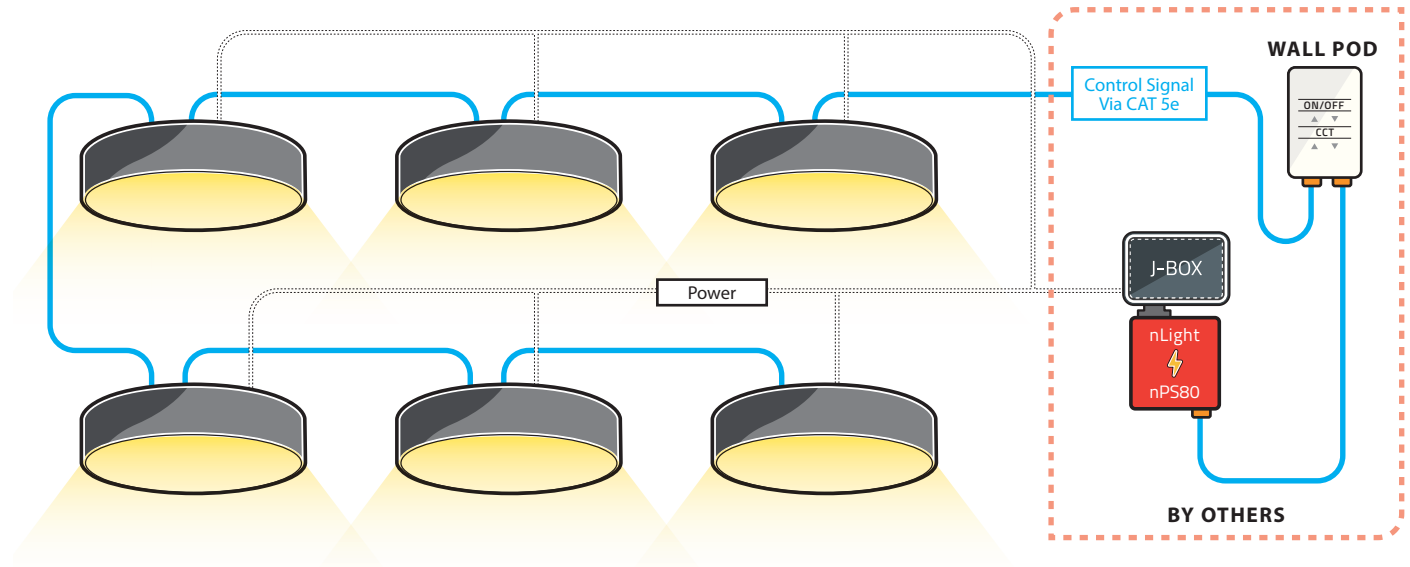**RJ45 CONNECTOR DETAIL:**
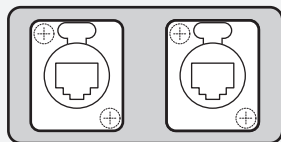
LIGHTING FIXTURE INTERNAL DETAILS:

SC – nLight

(nLight Control of Color & Intensity, Multiple Fixtures)

TYPICAL NETWORK LAYOUT

3 CORDS REQUIRED

— All nLight RJ45 ports are interchangeable (no dedicated IN or OUT).

— nLight zones must have a net positive amount of bus power. See table below for bus power consumption as a function of fixture size and output. Bus power is supplied by power/relay packs (nPP16 family and nPS80), power supplies (PP20 PL BP and nPANELS), nLight enabled fixtures, and bridges.

	BUS POWER CONSUMPTION															
	LO				MO				SO				HO			
	D1	D9	SC	DC	D1	D9	SC	DC	D1	D9	SC	DC	D1	D9	SC	DC
P3918	1mA			N/A	1mA			N/A				2mA				2mA
P3920									2mA	1mA	2mA	3mA	2mA	1mA	2mA	3mA
P3930	2mA		2mA	3mA	3mA		3mA	4mA	4mA		4mA	5mA			N/A	
P3940	3mA		3mA	4mA	3mA		4mA		5mA		6mA	6mA				