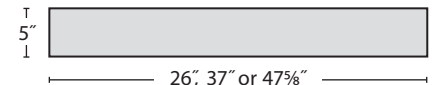




Type:

Job:



LUMEN OUTPUT:
Direct (D1)

		LO	MO	SO	HO
O-20:	Lumens	1050	1500	2100	2600
	Watts	20	30	47	63
O-30:	Lumens	1650	2140	3400	3850
	Watts	30	41	75	89
O-40:	Lumens	2200	2800	4600	5100
	Watts	40	53	100	116



Direct/Indirect (D9)

		LO	MO	SO	HO
O-20:	Lumens	1550	2300	3400	4200
	Watts	27	40	63	84
O-30:	Lumens	2200	3000	5500	6500
	Watts	42	57	105	125
O-40:	Lumens	2650	3550	6750	7250
	Watts	51	68	129	149

This is O.

It's essentially the P4000's (way more fun) twin. We've reinterpreted the popular original into a playful ring of light. It's a donut-shaped O — as in the shape your mouth makes when you see it.



Lumen output may vary +/- 5%

See LED Details PDF for more info

SE-RIES	LED COLOR	OUTPUT	SHIELD-ING	COLOR/FINISH	DISTRI-BUTION	CIRCUIT-ING	VOLT-AGE	MOUNTING	CEILING SYSTEMS	CONTROLS	DRIVERS	OPTIONS
O-20 2" Dia. O-30 3" Dia. O-40 4" Dia.	TU Tu Hue Tunable White (2700K to 6500K)	LO Low MO Medium SO Standard HO High	FWA Flat White Acrylic Lens	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 otherwis	D1 Direct Solid Top NOTE: Only 1 row of LEDs D9 Semi-Direct NOTE: ~17% Uplight, 83% Down. To specify more or less Uplight, see Output NOTE Recom- mended distance to hang from ceiling to top of fixture to avoid hotspots; O-20: 18", O-30: 24", O-40: 30"	SC Single Circuit DC Dual Circuit (Two feeds required, D9 only)	UNV (120- 277)	SUR Surface Mount (1" Standoff from ceiling) CA48", 96" or 144" Aircraft Cable (Adjustable) 3RPM48", 96" or 144" Round Cast Aluminum Canopy (Min from fixture to ceiling 2': 10", 3': 16", 4'; 20") 3SPM48", 96" or 144" Square Cast Aluminum Canopy (Min from fixture to ceiling 2': 10", 3': 16", 4'; 20") MPCA48", 96" or 144" Monopoint Mounting (18" min from fixture to ceiling) SSC____ Top-Swivel Stem Mount (Specify length)	X1 T-Bar 1 5/16" or 5/16" Exposed (Standard) Consult factory for 5/16" Tegular X3 Hard Ceiling X6 Slot Grid or Interlude	O-10V Uses E10V Driver DALI Uses EDALI Driver DMX Uses EDMX Driver nLight Uses EDALI Driver	E10V .1% O-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 (Remote only; 500 delivered lumens; CA Title 20 compliant) EM Emer- gency Battery (3-4': 400 delivered lumens) PruTune Wall Device (EDALI driver only, one PruTune device for each zone) ETRAN 0-10V to DALI Eldo Translator



D1 — DIRECT

High Output:

O-30-LED4-HO-D1

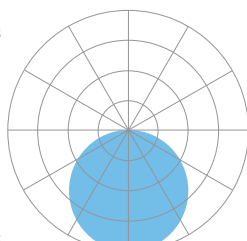
5290 Delivered Lumens

97 Watts

55 lm/w

4000 CCT

Test
#103619833LAX-001



Zonal Lumen Summary:

0-90 = 100%

1848

Vertical Angle	0	25	45	65	90
0	1848	1848	1848	1848	1848
5	1837	1838	1838	1838	1840
15	1766	1763	1765	1769	1772
25	1070	1070	1070	1070	1070
35	937	937	937	937	937
45	1437	1434	1438	1445	1452
55	927	926	935	944	955
65	639	640	648	657	667
75	354	352	362	371	380
85	90	87	92	99	105
90	0	0	0	0	0

D9 — SEMI-DIRECT

Standard Output:

O-20-TW-SO-D9

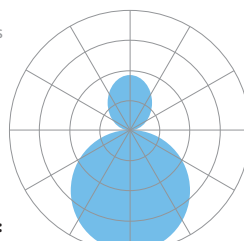
3184 Delivered Lumens

58 Watts

55 lm/w

4000 CCT

Test #L041502002



Zonal Lumen Summary:

0-90 = 61%

90-180 = 39%

635

Vertical Angle	0	25	45	65	90
0	685	685	685	685	685
5	682	682	682	682	682
15	654	654	654	654	654
25	816	816	817	817	817
35	604	604	604	603	603
45	446	446	445	444	443
55	347	346	345	344	344
65	241	241	240	239	239
75	172	172	172	172	172
85	39	39	39	38	39
90	0	0	0	0	0
95	15	15	15	15	16
115	143	144	143	141	141
125	216	217	215	213	212
135	290	290	289	287	286
145	360	360	359	357	356
155	422	422	421	418	416
165	468	469	468	464	463
175	486	486	484	480	479
180	496	496	496	496	496

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

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

CONSTRUCTION

Housing

Extruded aluminum, rolled and welded, >25% PC recycled, 100% recyclable

Lens

Flat acrylic, 100% recyclable.

Weights

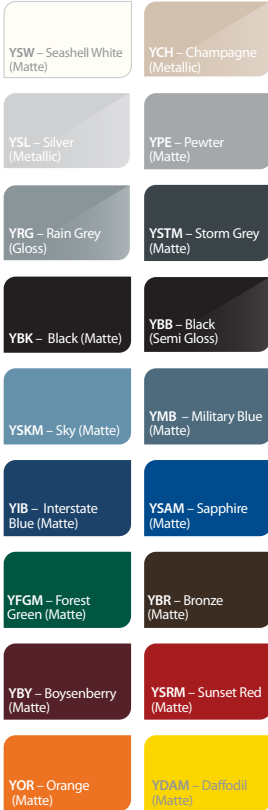
O-20: 17lbs O-30: 27lbs O-40: 34lbs

MOUNTING

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

WARRANTY

Single-source, 5 year limited warranty covers standard components and construction. See warranty for more details.

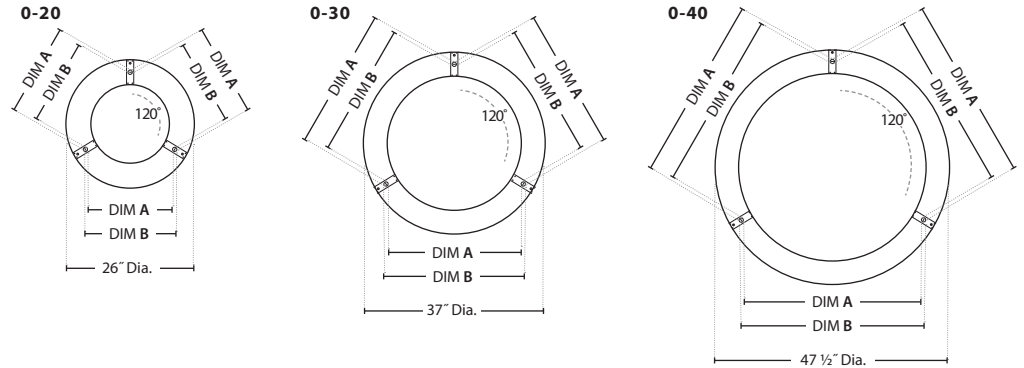


Choose from one of our Premium Colors with no set-up fee.

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



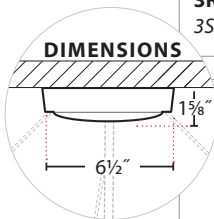
MOUNTING LOCATIONS



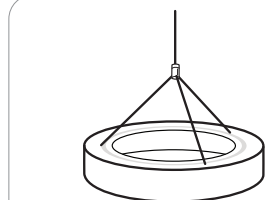
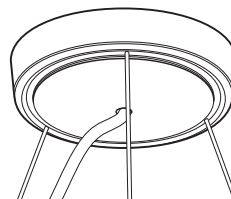
MOUNTING DIMENSIONS

SIZE	DIM. A (SUR / STEM)	DIM. B (CABLE)
"O"-20	18 1/8"	17"
"O"-30	27 23/32"	29 9/16"
"O"-40	36 15/16"	35 25/32"

MOUNTING OPTIONS



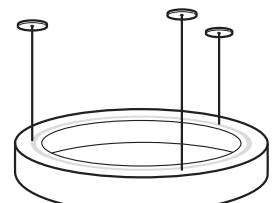
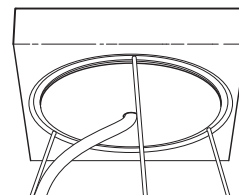
3RPM48", 96" or 144": Round Cast Aluminum Canopy
3SPM: 2', 3', 4' (3 Cables)



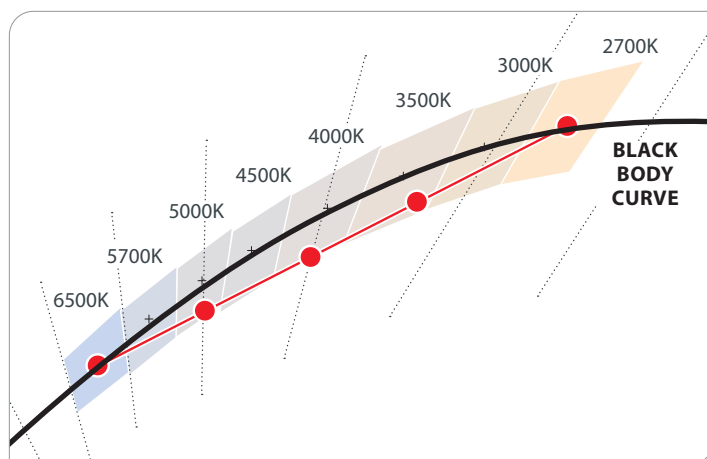
MPCA: 3 Cables min
18" from Ceiling



3SPM48", 96" or 144": Round Cast Aluminum Canopy
3SPM: 2', 3', 4' (3 Cables)



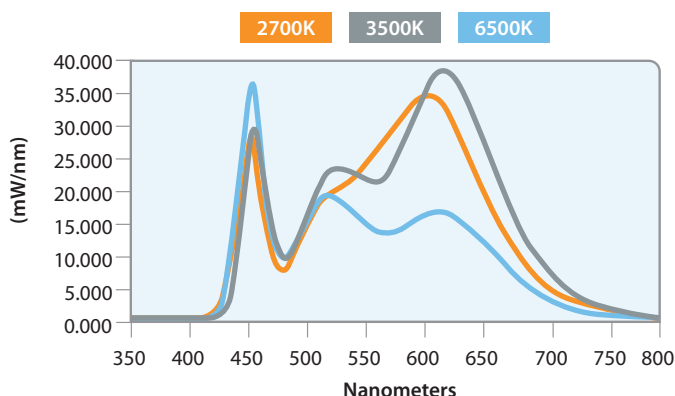
CA or SSC: (3) 5" Canopies



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

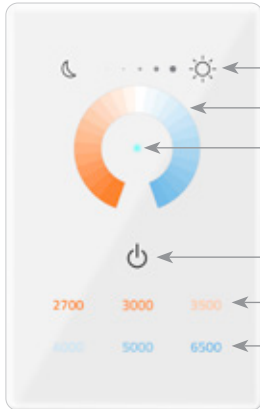
- 50,000 hours rated life at 70°C max driver case temperature
- 87% efficiency — THD <20% — PF >0.9

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

PRESET COLOR TEMPERATURES

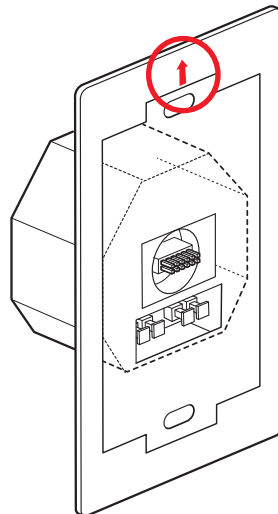
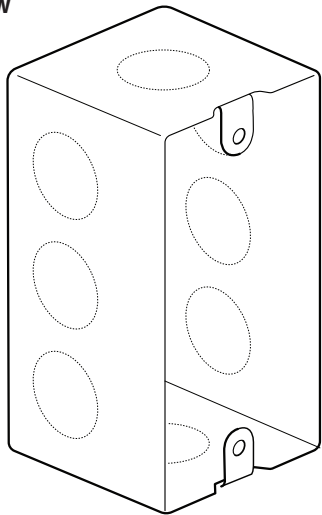
PRUTune DALI device includes:

- 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



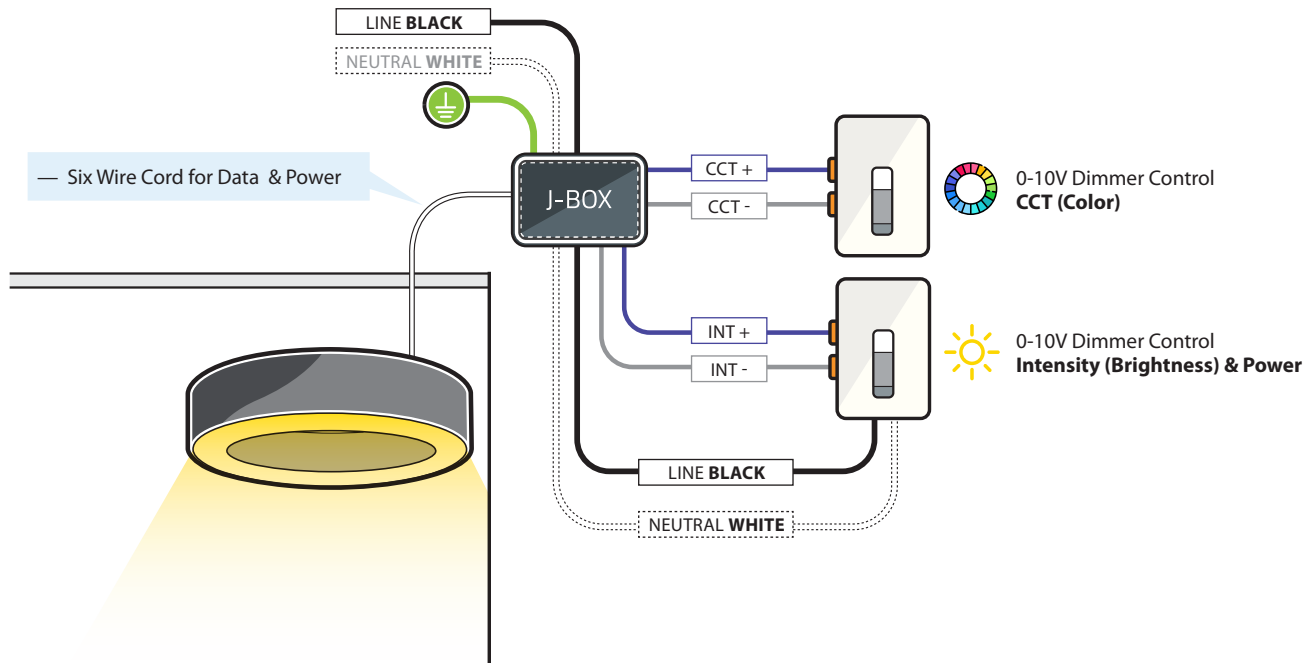
Ensure arrows are aligned when assembling 'Pru wall device'





D1/D9 – SC – 0-10v

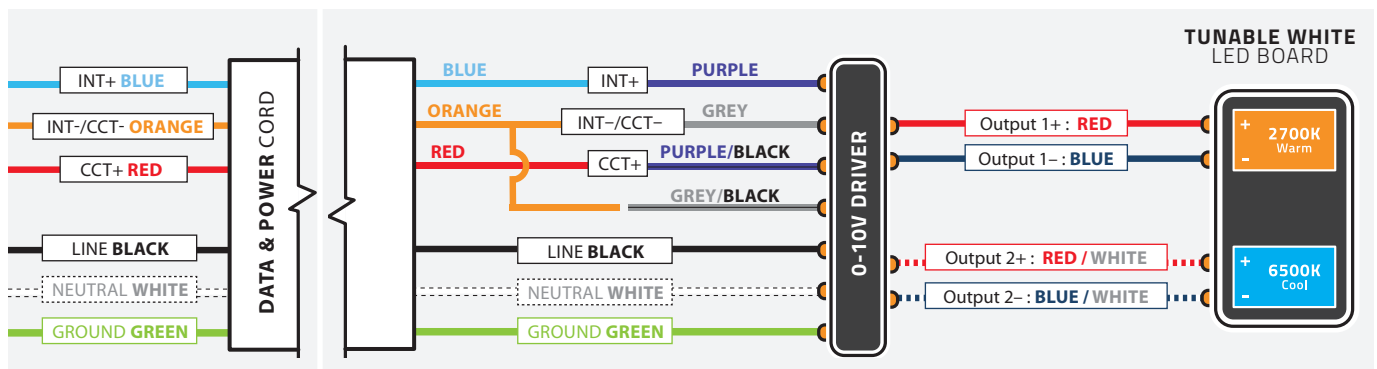
Single Control for Color, Single Control for Intensity



- 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:

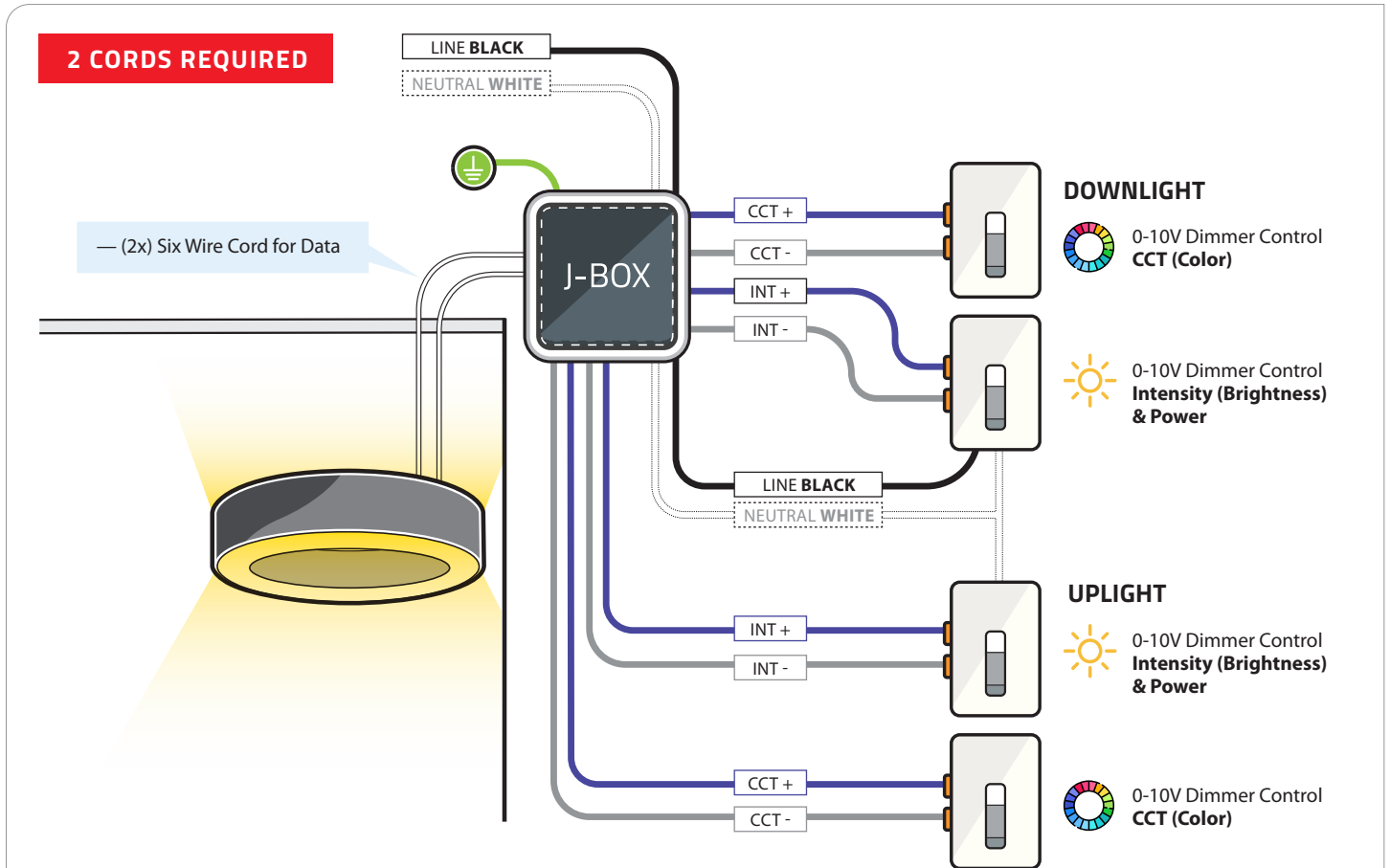
LIGHTING FIXTURE INTERNAL DETAILS:





D9 – DC – 0-10v

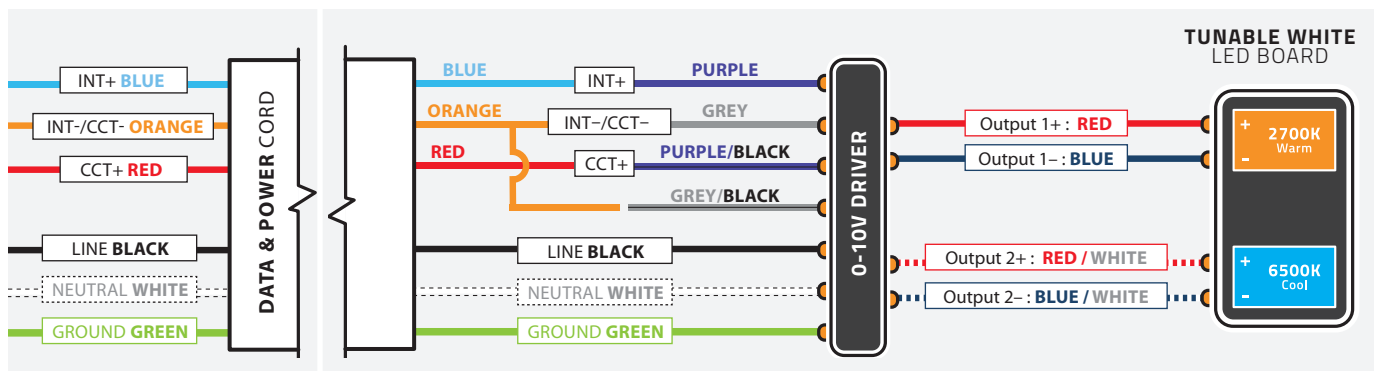
Dual Control for both Color & Intensity (Control Up/Down separately)



- 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:

LIGHTING FIXTURE INTERNAL DETAILS:

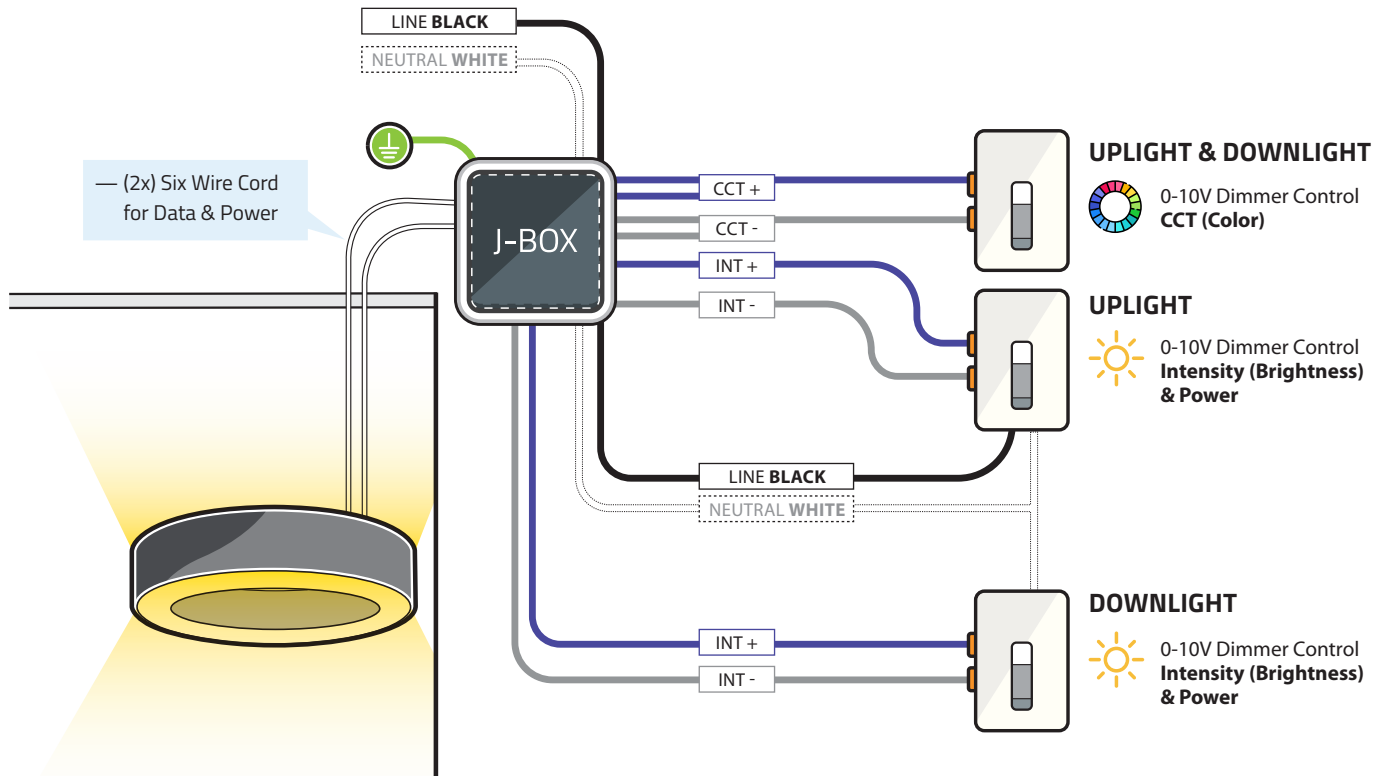




D9 – DC – 0-10v

Single Control for Color, Dual Control for Intensity

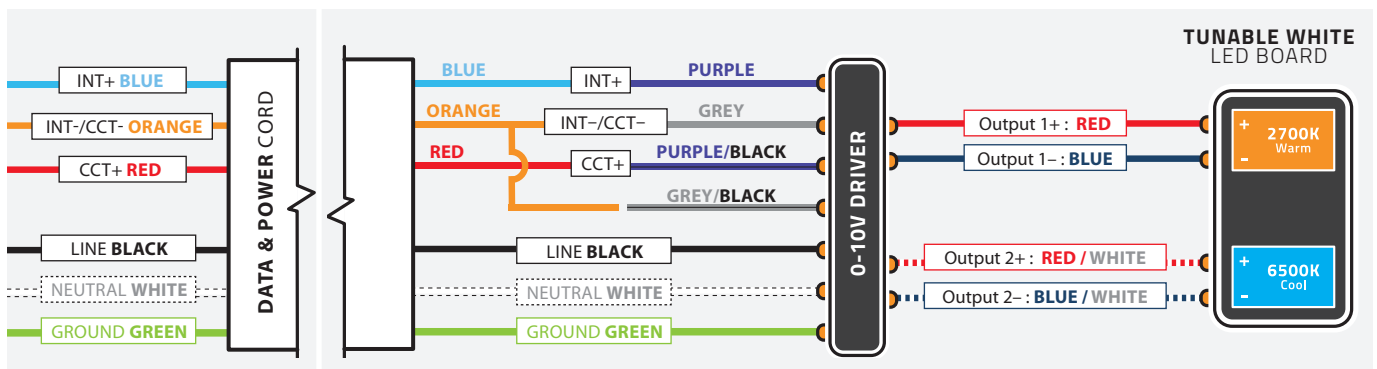
2 CORDS REQUIRED



- 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:

LIGHTING FIXTURE INTERNAL DETAILS:

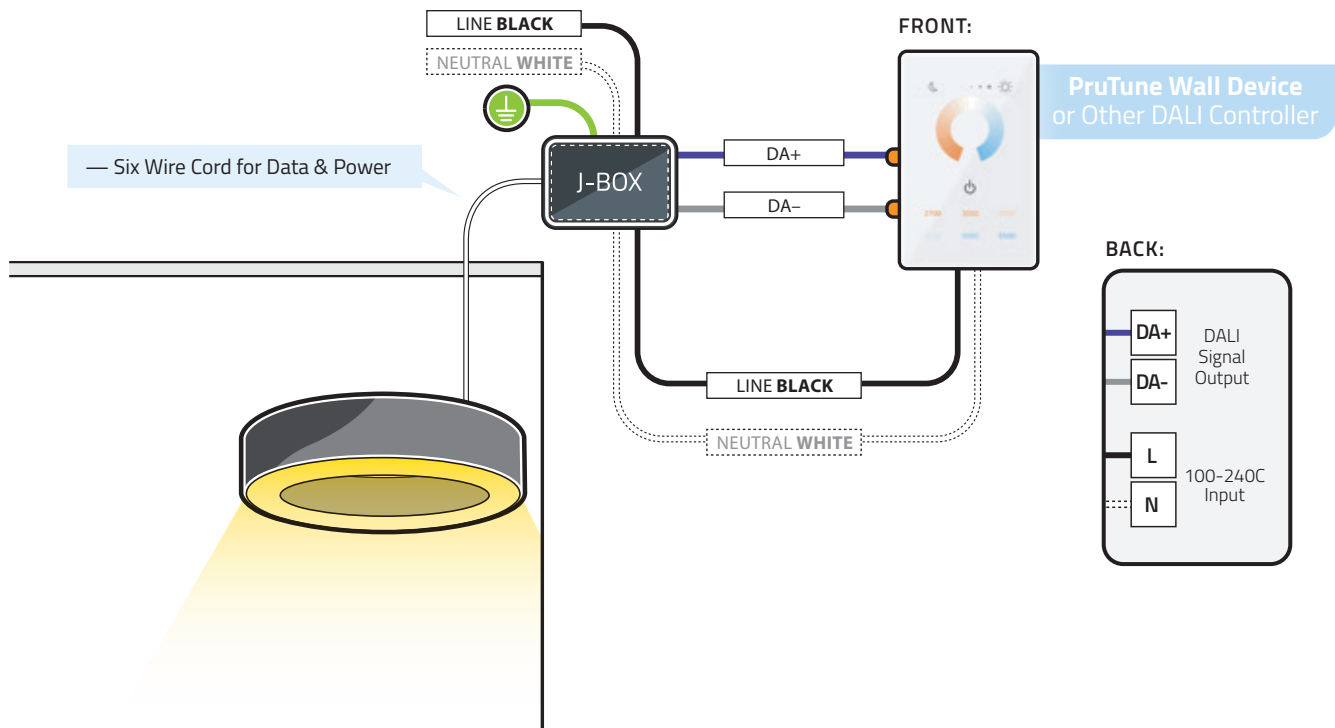




D1/D9 –SC – DALI – PruTune

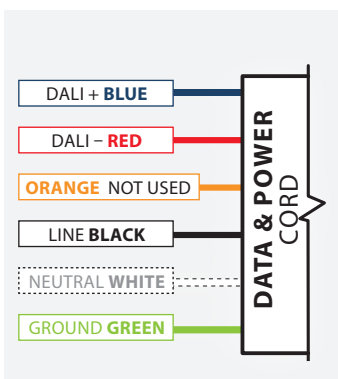
Single Control for Color & Intensity

1 CORD REQUIRED

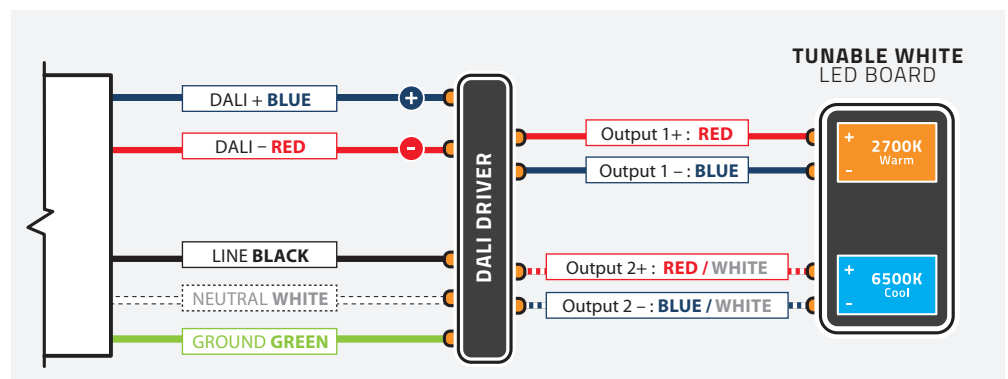


- Cord (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately.
Wire colors shown below are representative of the wires inside the fixture.
- Junction box wiring by others. Wire colors shown are for illustration purposes only.

J-BOX WIRING DETAIL:



LIGHTING FIXTURE INTERNAL DETAILS:

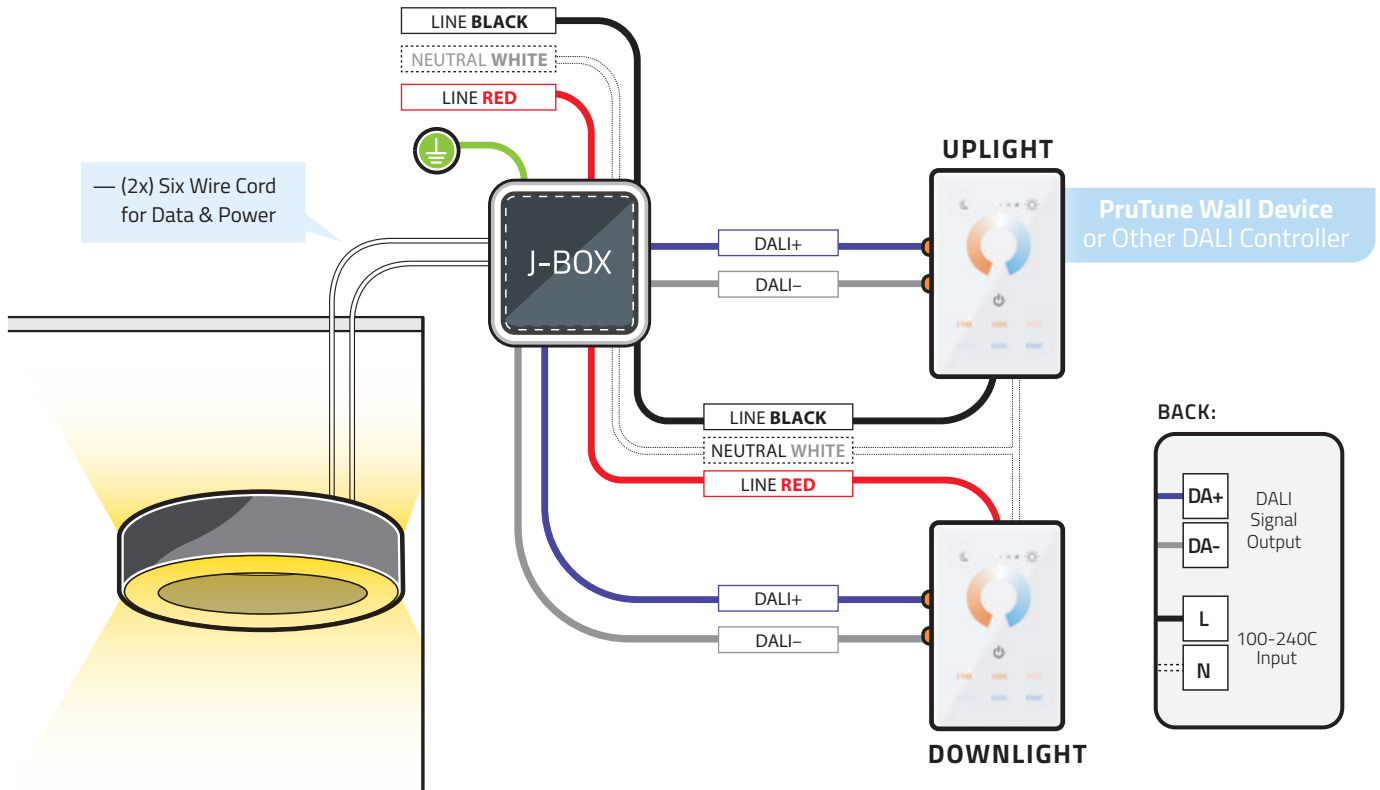




D9 -DC - DALI - PruTune

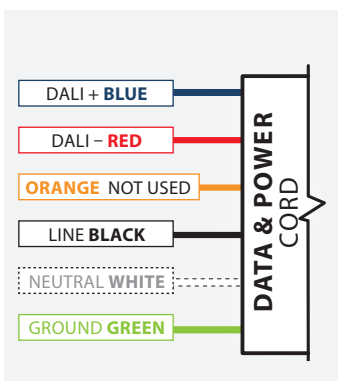
Single Control for Color & Intensity Down, Separate Control for Color & Intensity Up

2 CORDS REQUIRED

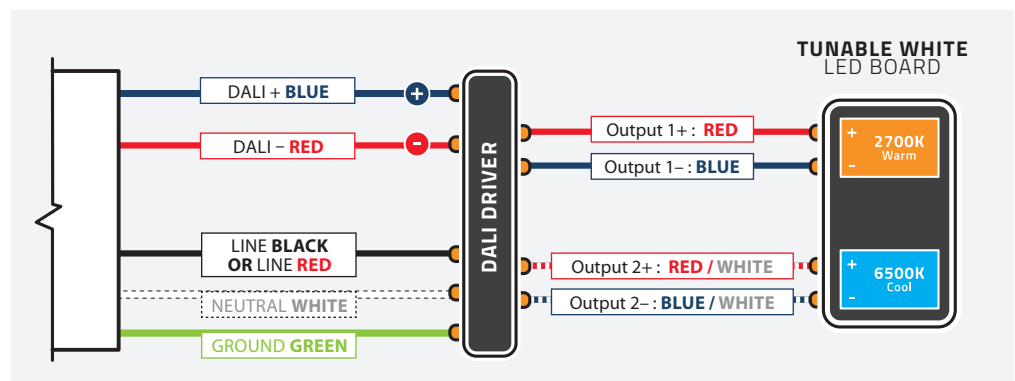


- Cord (Power and Data) between fixture and junction box are supplied by Prudential, but ship separately. Wire colors shown below are representative of the wires inside the fixture.
- Junction box wiring by others. Wire colors shown are for illustration purposes only.

J-BOX WIRING DETAIL:



LIGHTING FIXTURE INTERNAL DETAILS:

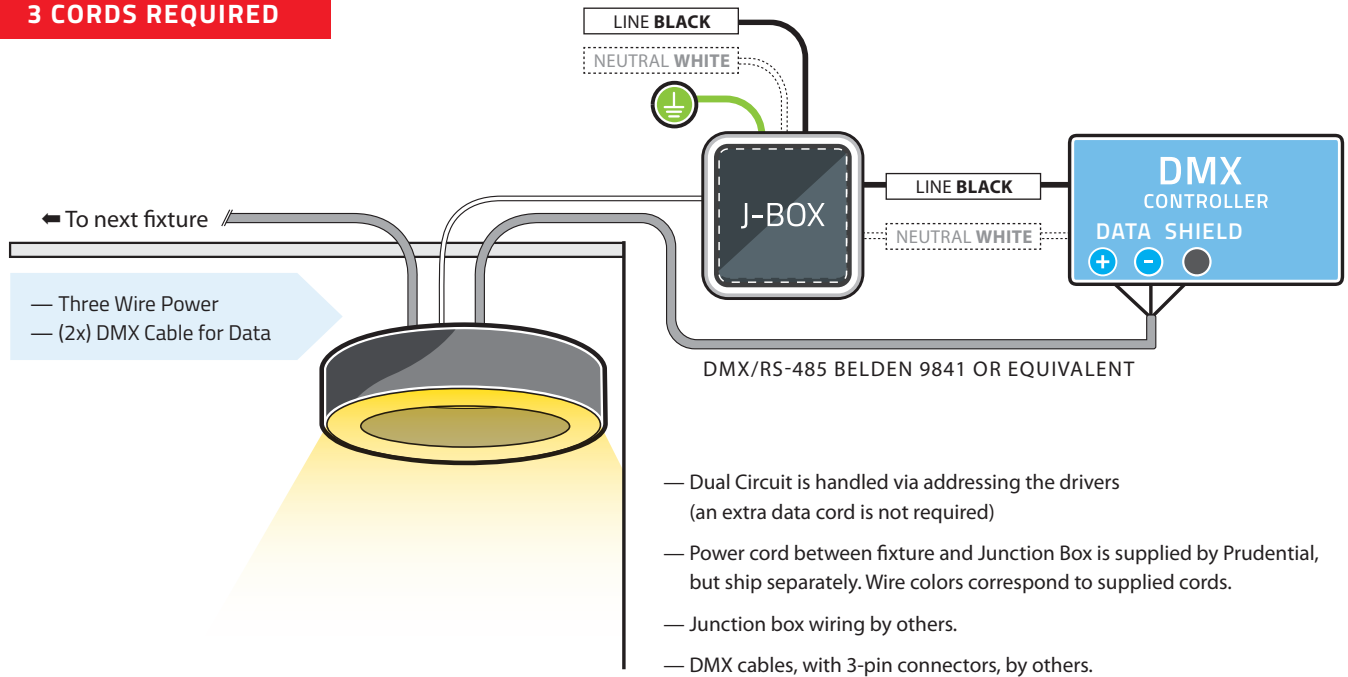




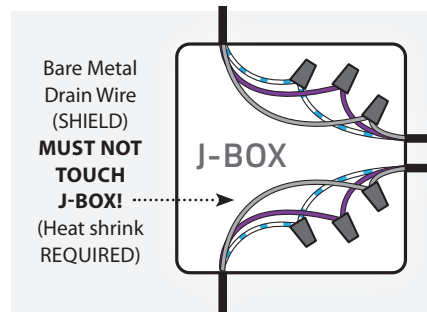
D1/D9 – SC – DMX

DMX Control of Color & Intensity

3 CORDS REQUIRED

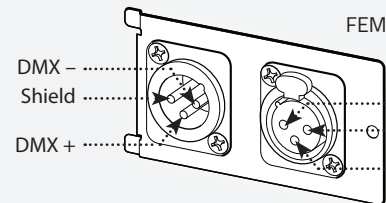


J-BOX WIRING DETAIL: DMX CONNECTIONS

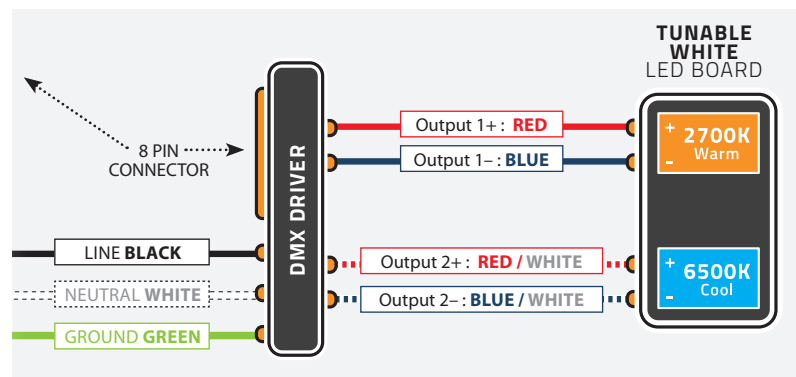
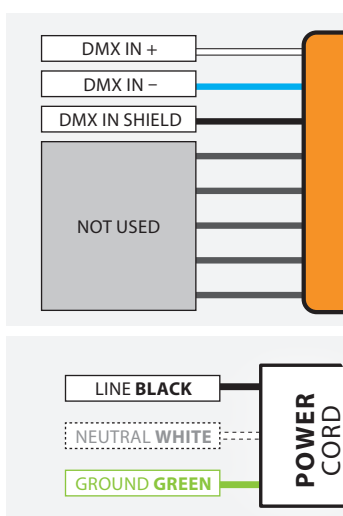


DMX CONNECTOR DETAIL:

MALE: DMX IN



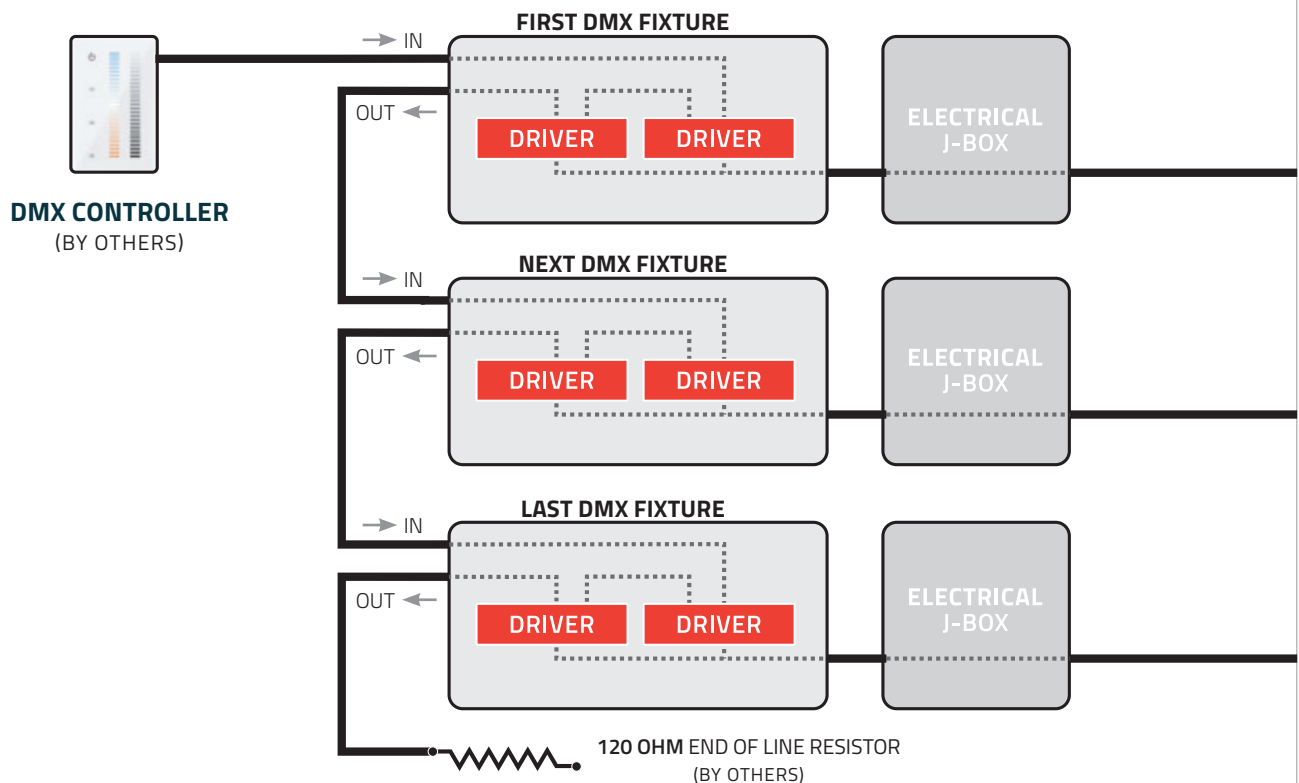
8 PIN CONNECTOR DETAIL:



FOR MULTIPLE
FIXTURES
SEE NEXT PAGE

D1/D9 – SC – DMX

DMX Control of Color & Intensity, Multiple Fixtures



RECOMMENDATIONS

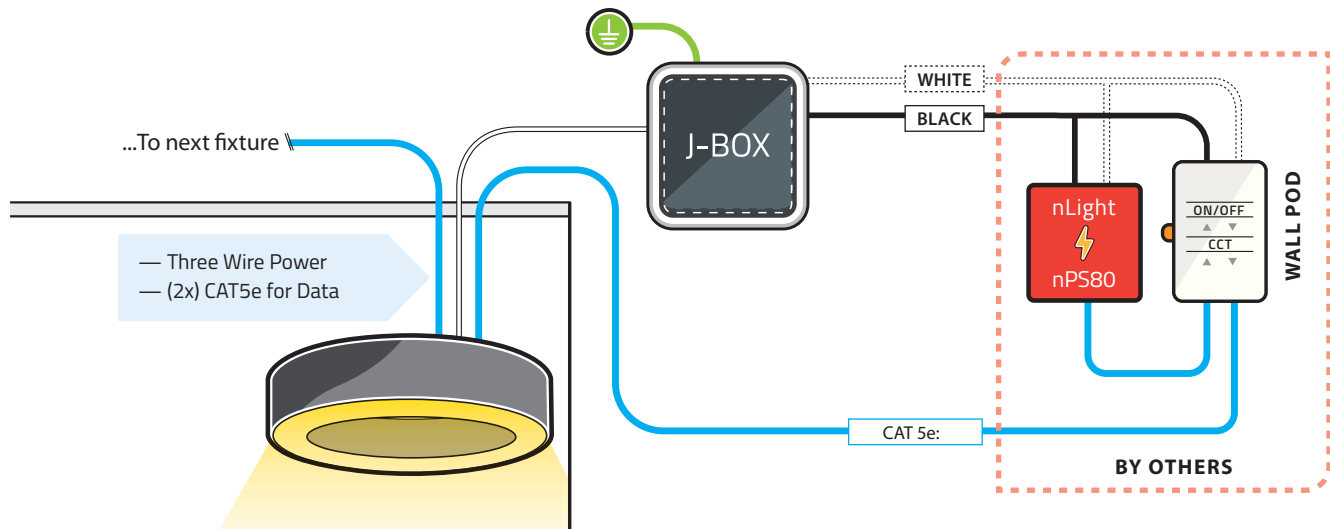
- Fixtures must be daisy chained. (Drivers internal to fixture and daisy chained)
- Maximum 32 drivers per controller, consult factory for quantity of drivers per fixture.
If more than 32 drivers a DMX booster / repeater (by others) must be used.
- Keep DMX cable less than 1000ft between controller and 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

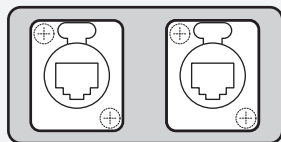
(nLight Control of Color & Intensity, One Fixture)

3 CORDS REQUIRED

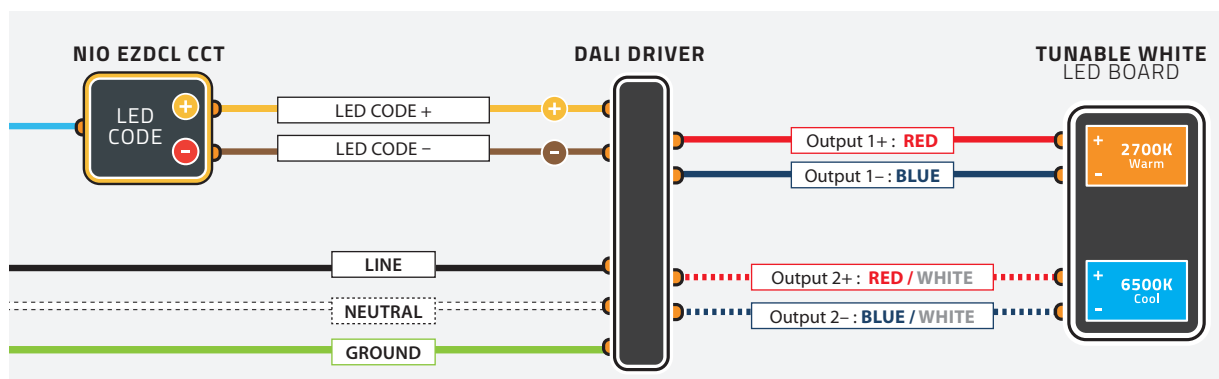


- Cords (Power and Data) between fixture and Junction Box are supplied by Prudential, but ship separately. Wire colors correspond to supplied cords.
- Wiring from Junction Box to Controllers is by others. Wire colors are for illustration purposes only.
- CAT5e cables by others.

RJ45 CONNECTOR DETAIL:



LIGHTING FIXTURE INTERNAL DETAILS:



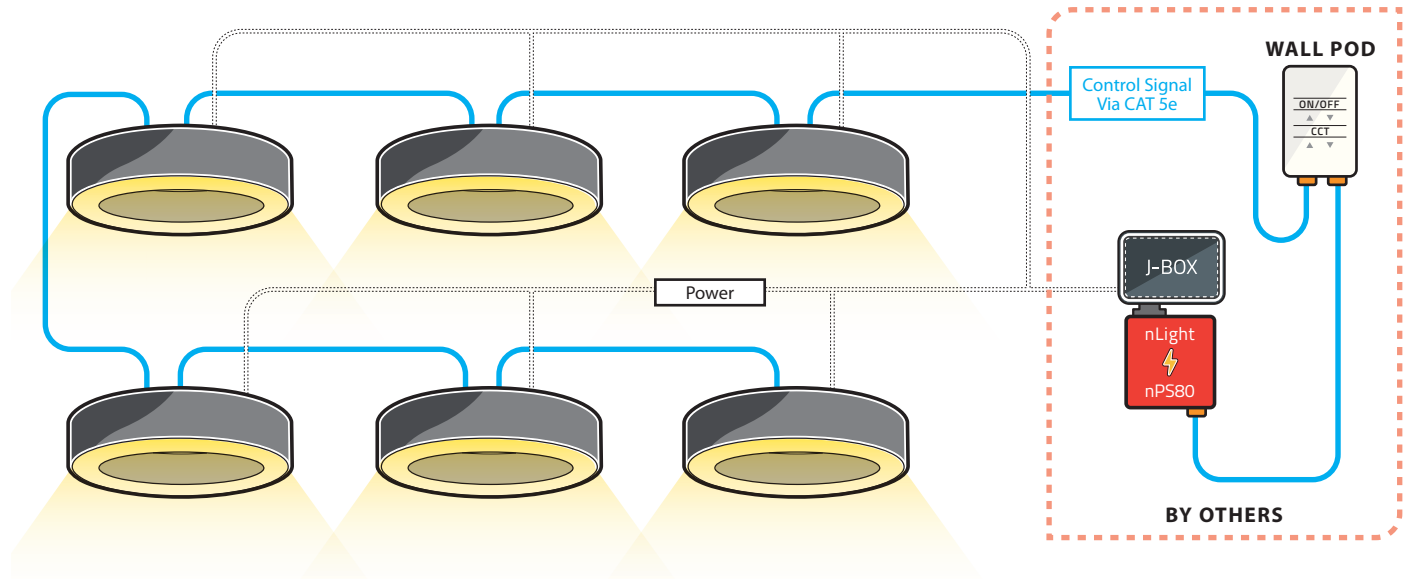


SC – nLight

(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											
O-20	3mA			N/A	3mA			6mA	6mA			6mA	9mA														
O-20				6mA																							
O-20																											