



DTL Solutions Guide for *"Ittron Ready"* fixtures



"Itron Ready" Fixtures

Focus Application for Outdoor Pole Mount Area and Roadway Lighting

Goal of this Solutions Guide is to give specific products and schematics for applying Sensor Switch and eldoLED product compatible with the ITRON DSN Node from DTL.

Sensor Switch products:

eldoLED products:

*SBG 6 & 10
Outdoor Embedded Motion
Sensor*



*SBO Family
Outdoor Pole/ Fixture
Mount Motion Sensor*



ECOdrive

Value delivered



30 Watt
30-watt ECOdrive are ideal for indoor applications. Offering industry-leading Natural Dimming to 1%. Different form factors are available for the perfect fit with your luminaire.

[Read more →](#)



75 Watt
75-watt ECOdrive are ideal for higher lumen package indoor applications. Offering industry-leading Natural Dimming to 1%. Different form factors are available for the perfect fit with your luminaire.



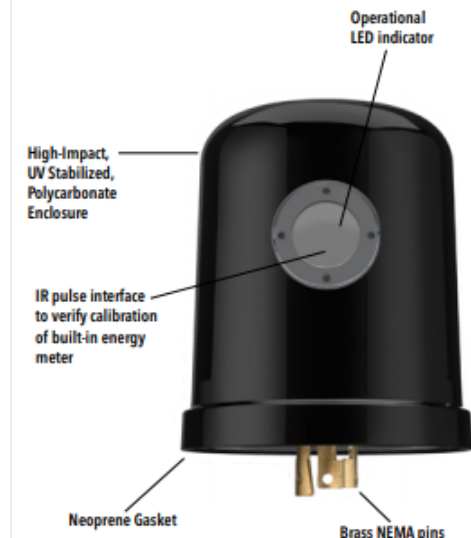
50 Watt
50-watt ECOdrive are ideal for higher lumen package indoor applications. Offering industry-leading Natural Dimming to 1%. Different form factors are available for the perfect fit with your luminaire.

[Read more →](#)



100 Watt
100-watt ECOdrive are ideal for higher lumen package indoor applications. Offering industry-leading Natural Dimming to 1%. Different form factors are available for the perfect fit with your luminaire.

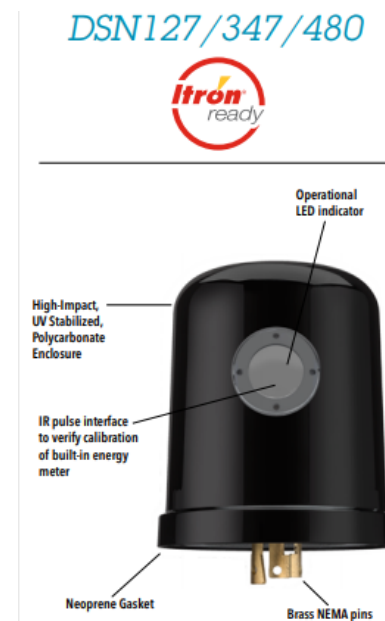
DSN127/347/480



“Itron Ready” Fixtures

A note about Drivers:

- eldoLED drivers are not typically specified for outdoor applications but are listed here to keep this in the Acuity family.
- The DSN Node does not support eldoLED  LightShape for Dim to Warm or Tunable White features.
- Match the DSN Node protocol to the driver dimming protocol: DALI or 0-10V
- Brand-X DALI or 0-10V drivers can be used.



DSN PHOTOCONTROL ²												Example: DSN 127 BK 0 USM5 DSTY			
Series		Voltage		Cover Color		Dimming		GPS		Lens Type		Time Zone ³		Daylight Saving Time	
DSN	DTL Silver Spring (now Itron) Node	127	120-277V	BK	Black	0	0-10V dimming	G	GPS	TNL	Tunnel Lens	USM4	Atlantic Standard Time	DSTY	DST enabled
		347	347V	GN	Green ⁴			[blank]	No GPS			USM5	Eastern Standard Time	DSTN	DST disabled
		480	480V			D	DALI dimming			[blank]	Regular Lens	USM6	Central Standard Time		
												USM7	Mountain Standard Time		
												USM8	Pacific Standard Time		
												USM9	Alaska Standard Time		
												USM10	Hawaii-Aleutian Standard Time		

“Itron Ready” Fixtures

SBO Sensor with DSN for “Bolt On” Motion Detection:

DSN Features:

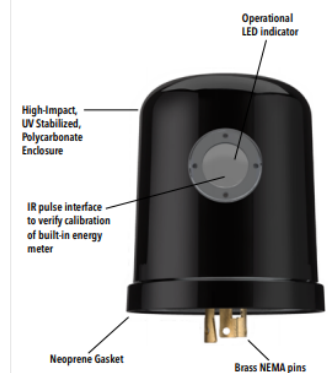
- Integrates with the Itron Network Platform (formerly Silver Springs Network).
- Remote On/ Off/ Dimming Control with Dynamic Grouped Response for “follow me” lighting
- Optional onboard GPS automatically determines and reports latitude and longitude coordinates
- Revenue Grade energy measurement and reporting
- Rugged and robust design with superior inrush and surge protection
- ANSI 7 pin design to support continuous dimming and response to occupancy
- Compatible with the Streetlight Vision Central Management Software
- 0-10V or DALI 2 compatible

SBO OEX Sensor Features:

- 100% Digital PIR Motion Detection
- Excellent RF Immunity, IP66 rated
- Push-Button Programmable
- Non-Volatile Settings Memory
- Convenient Test Mode
- Green LED Indicator
- Black or White housing
- Only these SKU's: SBO 6 OEX WH, SBO 6 OEX BK, SBO OEX 10 WH, SBO 10 OEX BK

SBO xx OEX					Example
SBO	Mounting Height		OEX	Dimming / Photocell (choose one) *	Color
Series			PIR Detection Type		
SBO Outdoor Pole/ Fixture Mount Sensor; Low Voltage	6	High Mount (15-30 ft)	OEX Outdoor PIR	[blank] None	WH White
	10	Low Mount (8-15 ft)		D Occupancy Controlled High/Low Dimming P Photocell	BK Black

DSN127/347/480



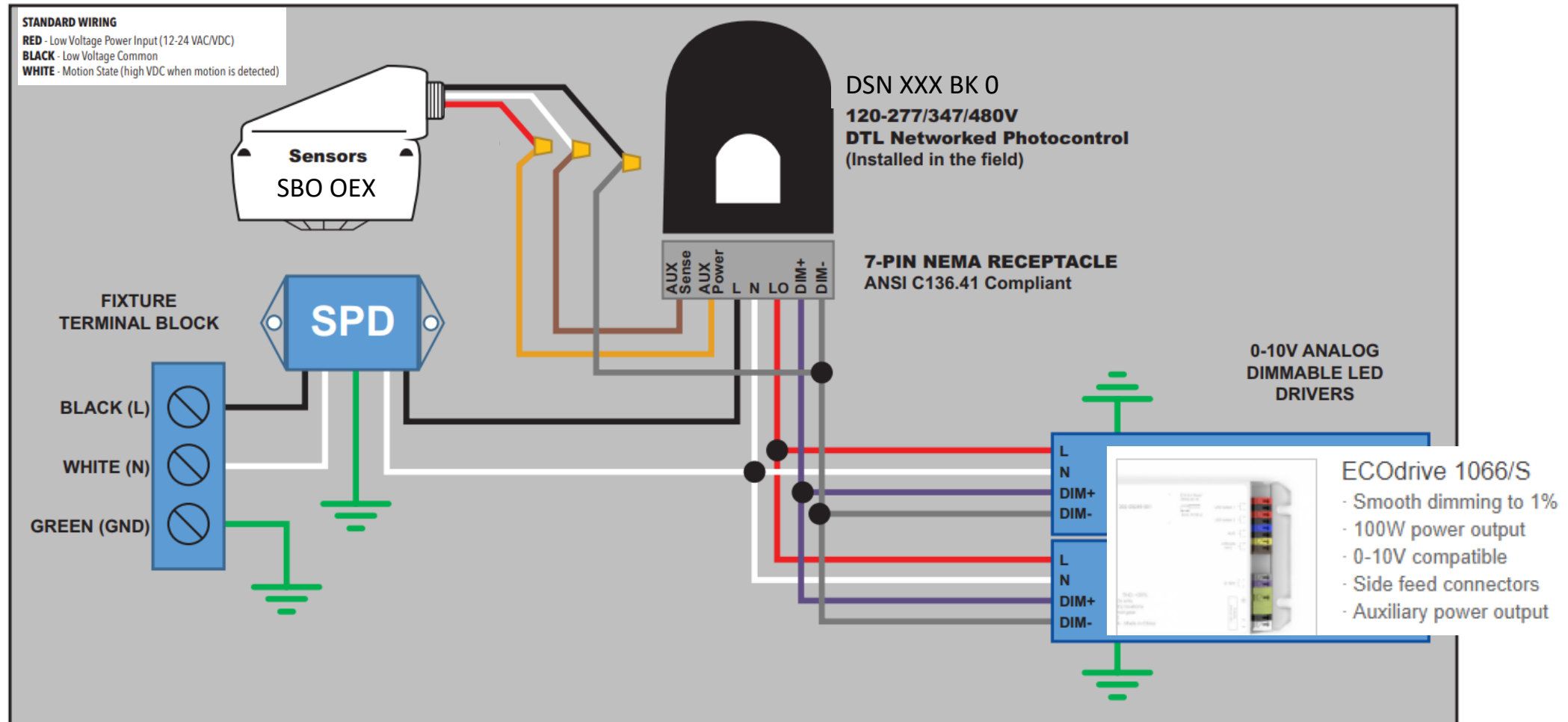
SBO Family
Outdoor Pole/ Fixture
Mount Motion Sensor



“Itron Ready” Fixtures

Bolt-on Low Voltage Motion Sensor 0-10V Driver and Node

Wiring for Analog (0-10V) Dimming Drivers (DSN XXX BK 0) + (SBO OEX) + (ECO1066/S)

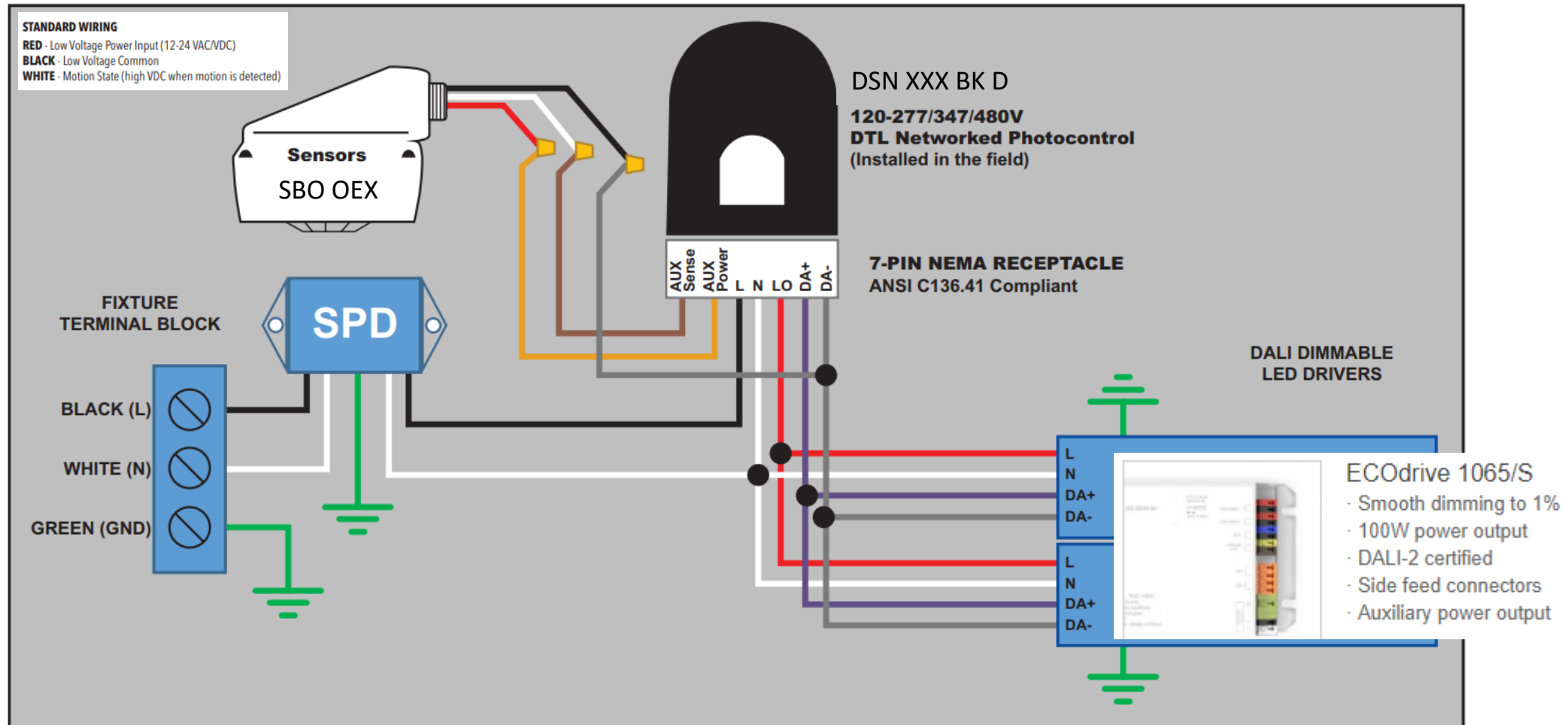


“Itron Ready” Fixtures

Bolt-on Low Voltage Motion Sensor DALI Drive and Node

Wiring for Digital (DALI) Dimming Drivers

(DSN XXX BK D) + (SBO OEX) + (ECO1065/S)



“Itron Ready” Fixtures

SBG Sensor with DSN for Fixture Embedded Motion Detection:

DSN Features:

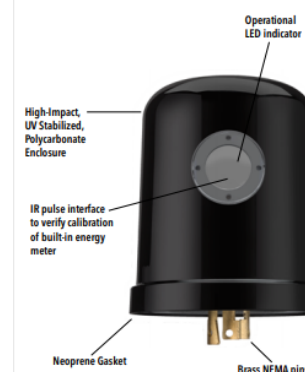
- Integrates with the Itron Network Platform (formerly Silver Springs Network).
- Remote On/ Off/ Dimming Control with Dynamic Grouped Response for “follow me” lighting
- Optional onboard GPS automatically determines and reports latitude and longitude coordinates
- Revenue Grade energy measurement and reporting
- Rugged and robust design with superior inrush and surge protection
- ANSI 7 pin design to support continuous dimming and response to occupancy
- Compatible with the Streetlight Vision Central Management Software
- 0-10V or DALI 2 compatible

SBG OEX Sensor Features:

- 100% Digital PIR Detection
- Excellent Rf Immunity
- Push-button programming
- Non-volatile settings memory
- Convenient test mode
- Green LED indicator
- Black and White housings
- Gasketed for use in a wet location luminaire
- Only these SKU's: SBG 6 OEX WH, SBG 6 OEX BK, SBG 10 OEX WH, SBG 10 OEX BK

SBG			
Mounting Height		Detection Type	
10	Low Mount (8-15 ft)	Blank	Indoor PIR
6	High Mount (15-30 ft)	OEX	Outdoor PIR
		Dimming/Photocell (Choose One)*	
		Blank	None
		D	Occupancy Controlled high/low dimming
		P	Photocell
		Color	
		WH	White
		BK	Black

DSN127/347/480



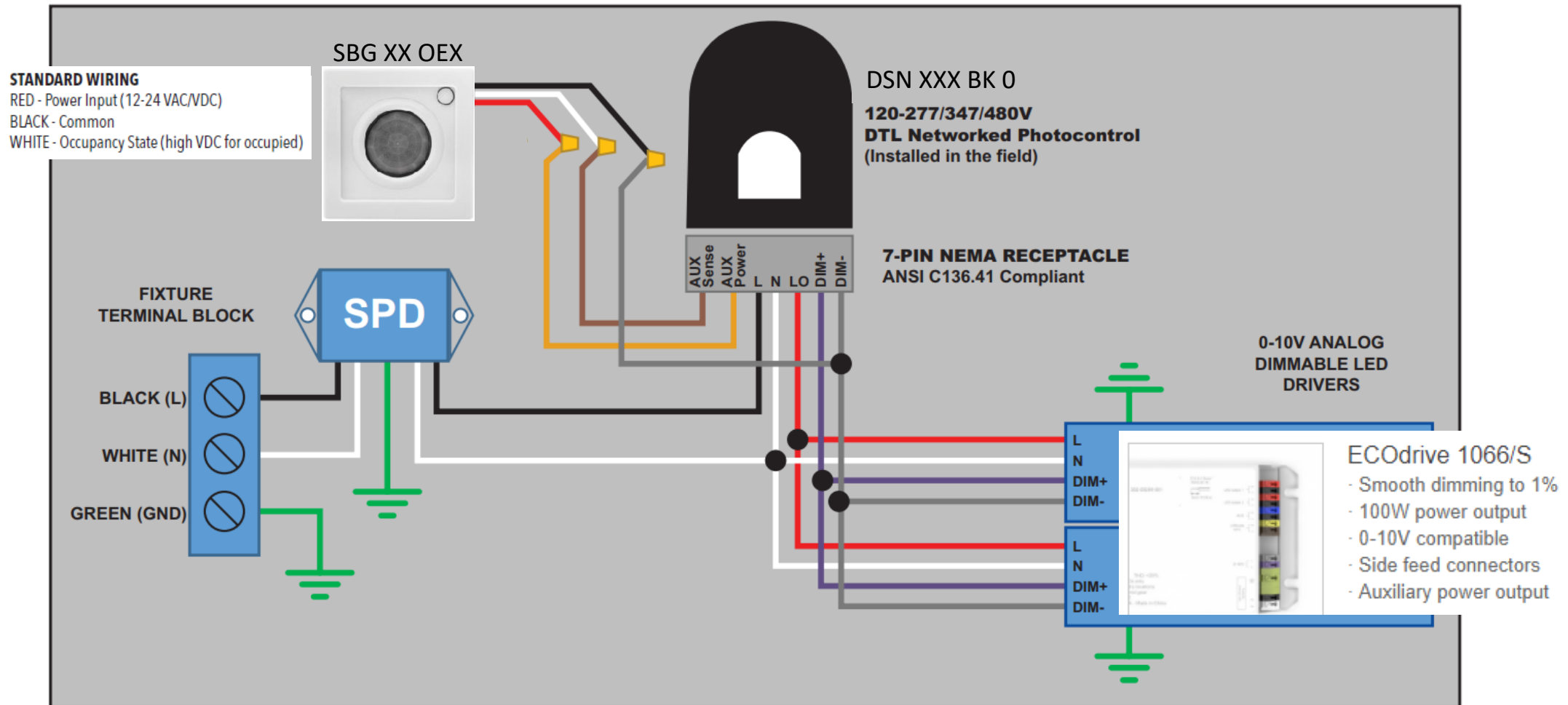
SBG 6 & 10
Outdoor Embedded Motion Sensor



“Itron Ready” Fixtures

Embedded Low Voltage Motion Sensor 0-10V Driver and Node

Wiring for Analog (0-10V) Dimming Drivers (DSN XXX BK 0) + (SBG XX OEX) + (ECO1066/S)

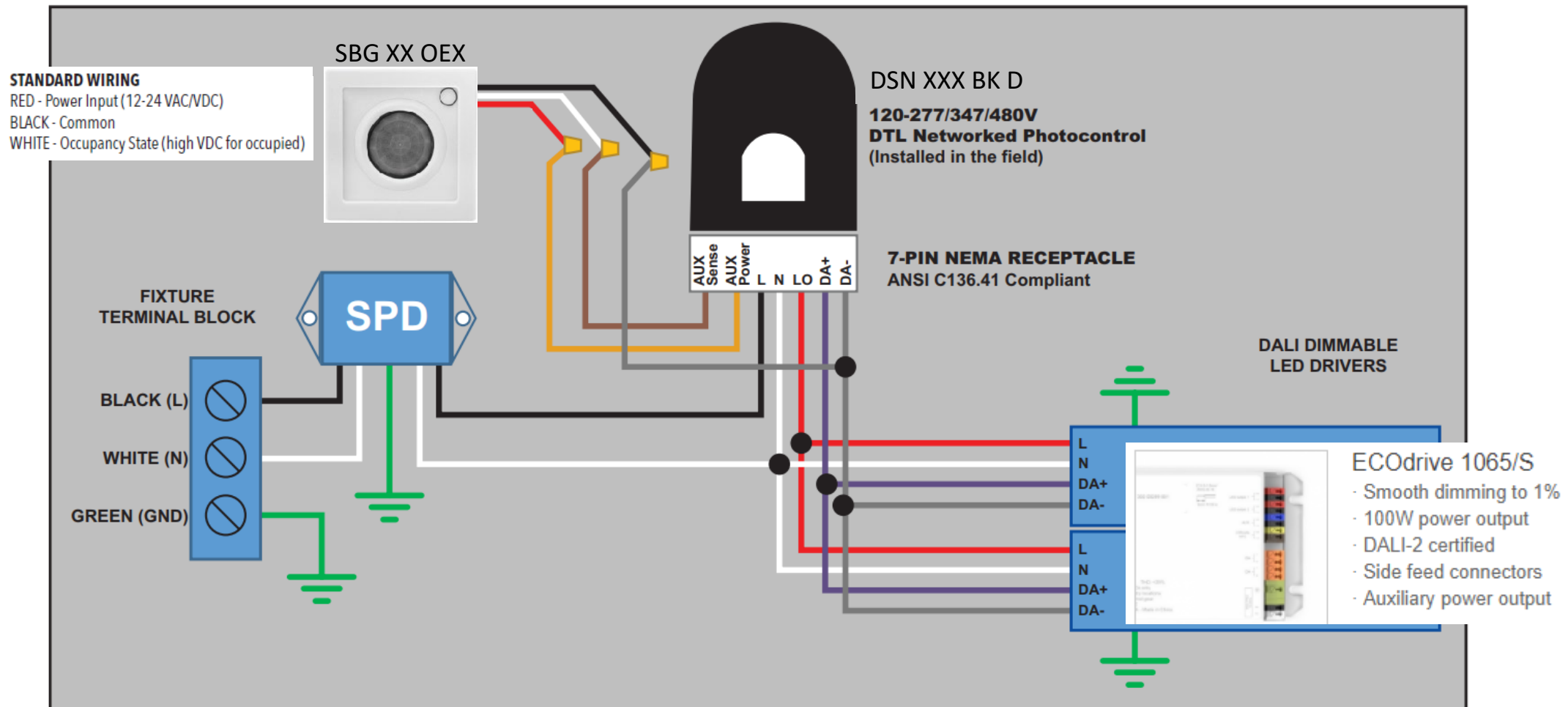


“Itron Ready” Fixtures

Embedded Low Voltage Motion Sensor DALI Driver and Node

Wiring for Digital (DALI) Dimming Drivers

(DSN XXX BK 0) + (SBG XX OEX) + (ECO1065/S)





That's all Folks!