Manuals+ — User Manuals Simplified.

AcuityOEM DTL DSN – DTL® DSN, Itron Ready Networked Photocontrols User Guide

Contents

DTL DSN – DTL® DSN, Itron Ready Networked Photocontrols

DTL Solutions Guide for "Itron 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:

SBG 6 & 10
Outdoor Embedded Motion Sensor

SBO Family
Outdoor Pole/ Fixture
Mount Motion Sensor

eldoLED products:

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 →

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 →

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 luminai...

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.
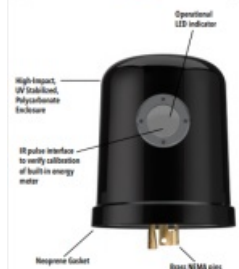
DSN127/347/480

Operational LED indicator

High-Impact, UV Stabilized, Polycarbonate Enclosure

IR pulse interface to verify calibration of built in energy meter

Neoprene Gasket

Brass NEMA pins

"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 for Dim to Warm or ⁙ LightShape 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.

DSN127/347/480

Operational LED indicator

High-Impact, UV Stabilized, Polycarbonate Enclosure

IR pulse interface to verify calibration of built in energy meter

Neoprene Gasket

Brass NEMA pins

DSN PHOTOCONTROL[2]								Example: DSN 127 BK 0 USM5 DSTY
Series	**Voltage**	**Cover Color**	**Dimming**	**GPS**	**Lens Type**	**Time Zone**[2]		**Daylight Saving Time**
DSN DTL Silver Spring (now Itron) Node	127 120-277V 347 347V 480 480V	BK Black GN Green[6]	0 0-10V dimming D DALI dimming	G GPS [blank] No GPS	TNL Tunnel Lens [blank] Regular Lens	USM4 Atlantic Standard Time USM5 Eastern Standard Time USM6 Central Standard Time USM7 Mountain Standard Time USM8 Pacific Standard Time USM9 Alaska Standard Time USM10 Hawaii-Aleutian Standard Time		DSTY DST enabled DSTN DST disabled

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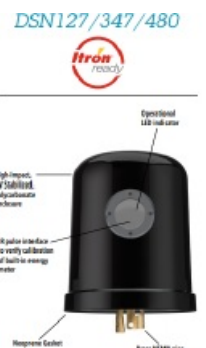
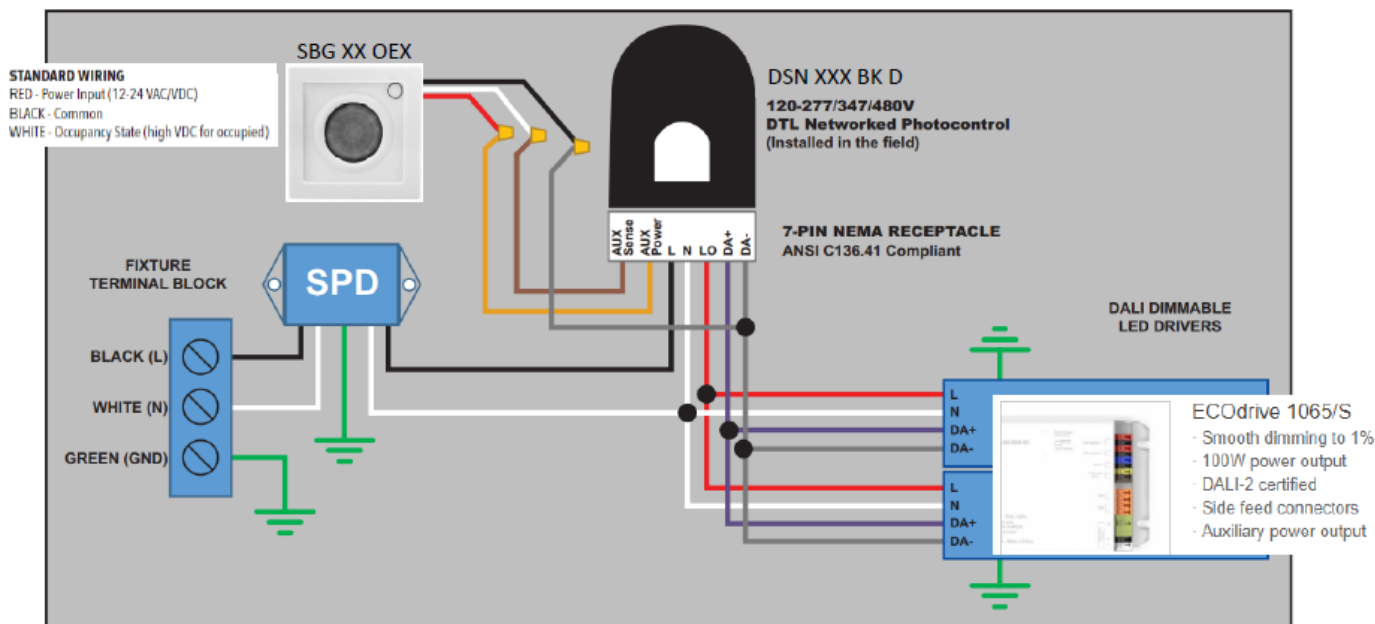| SBO xx OEX				Example
SBO		**OEX**		
Series	**Mounting Height**	**PIR Detection Type**	**Dimming / Photocell (choose one)** *	**Color**
SBO Outdoor Pole/ Fixture Mount Sensor; Low Voltage	6 High Mount (15-30 ft) 10 Low Mount (8-15 ft)	OEX Outdoor PIR	[blank] None D Occupancy Controlled High/Low Dimming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

6/3/2021 OEM Solutions Guide for DTL Itron Ready 4

"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)
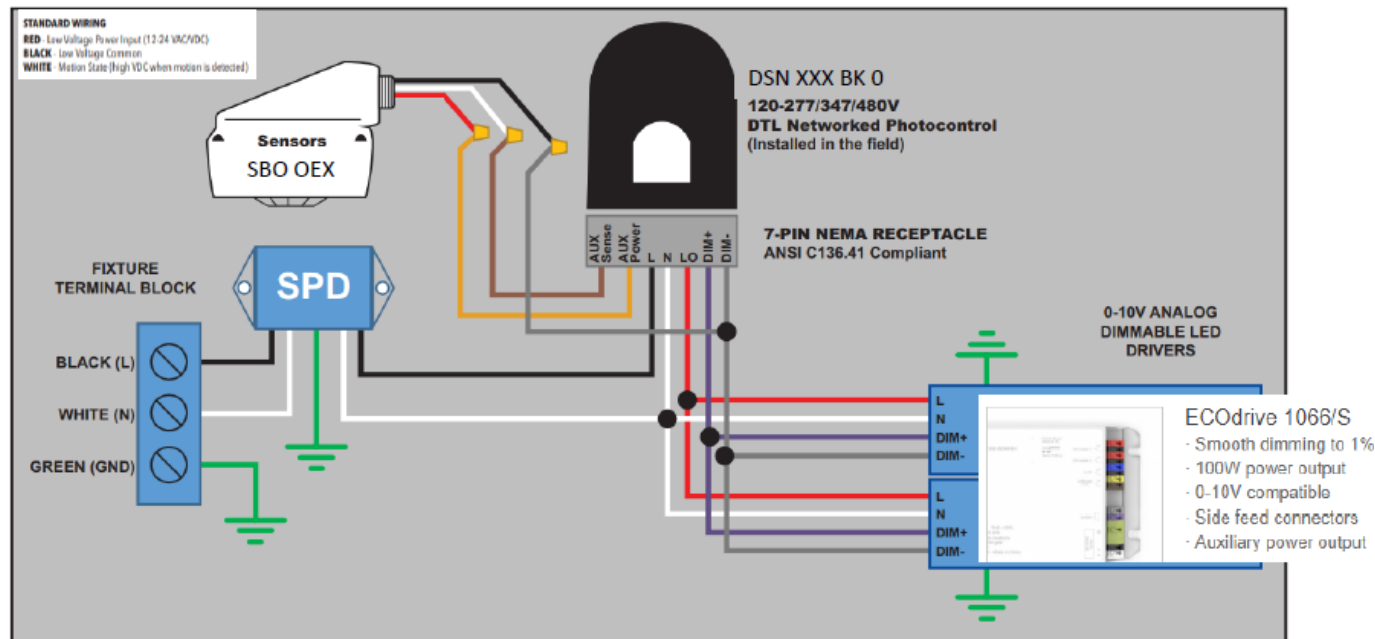
"Itron Ready" Fixtures Embedded Low Voltage Motion Sensor DALI Driver and Node

Wiring for Digital (DALI) Dimming Drivers (DSN XXX BK 0) + (SBG XX OEX) + (ECO1065/S)

Documents / Resources

	AcuityOEM DTL DSN - DTL® DSN, Itron Ready Networked Photocontrols [pdf] User Guide DTL DSN - DTL DSN Itron Ready Networked Photocontrols, DTL DSN - DTL DSN, Itron Ready Networked Photocontrols, Ready Networked Photocontrols, Networked Photocontrols

References

- **User Manual**

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