LEVITON ®

NorthStar™ Wireless Metering Fixture Controller

DESCRIPTION

The Leviton NorthStar™ Outdoor Lighting Control System is specifically designed and built for the unique needs of outdoor illuminated environments. The Wireless Metering Fixture Controller uses a twist lock for easy mounting on top of light poles and can be used as an alternative to internal mount fixture controllers.

The Wireless Metering Fixture Controller's integrated photocell monitors natural light levels and delivers intelligent ON/OFF switching and 0-10V dimming control. The Wireless Metering Fixture Controller uses utility grade power monitoring to track energy usage and wirelessly communicate power or lamp failure with the NorthStar Site Controller. The site controller stores the data for end users to download and review.
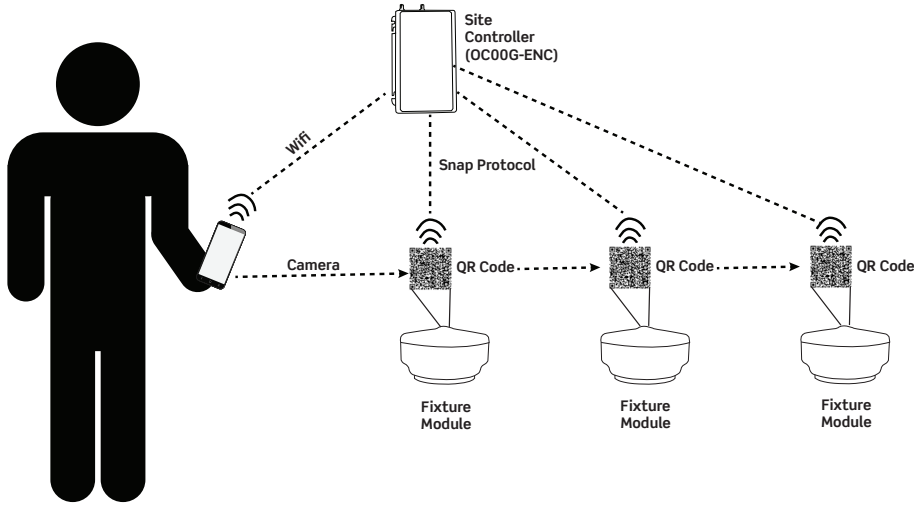
APPLICATIONS

- Parking lots
- Landscape lighting
- Outdoor sports court lighting

FEATURES

- Twist lock NEMA ANSI C136.41 connector for easy installation
- Integrated photocell
- Suitable for switching and 0-10V dimming load types
- Can be used to comply with ASHRAE 90.1 and 2016 Title 24, Part 6 outdoor lighting control, occupancy sensing, 0-10V dimming, daylight harvesting, partial-ON, partial-OFF requirements
- Utility grade power monitoring—tracks energy usage and provides lamp failure alerts
- Remote control and scheduling
- Flexible dimming controls
- Secure, over-the-air upgrades to support future enhancements
- Automatic geolocation and identification of fixture modules with an Android smart phone or tablet
- Web browser commissioning
- Seamless SNAP network integration
- Requires NorthStar Site Controller within range of at least one of the nodes

NorthStar™ Wireless Metering Fixture Controller

PRODUCT DATA

PROVISIONING

Site Controller (OC00G-ENC)

Wifi

Snap Protocol

Camera

QR Code

QR Code

QR Code

Fixture Module

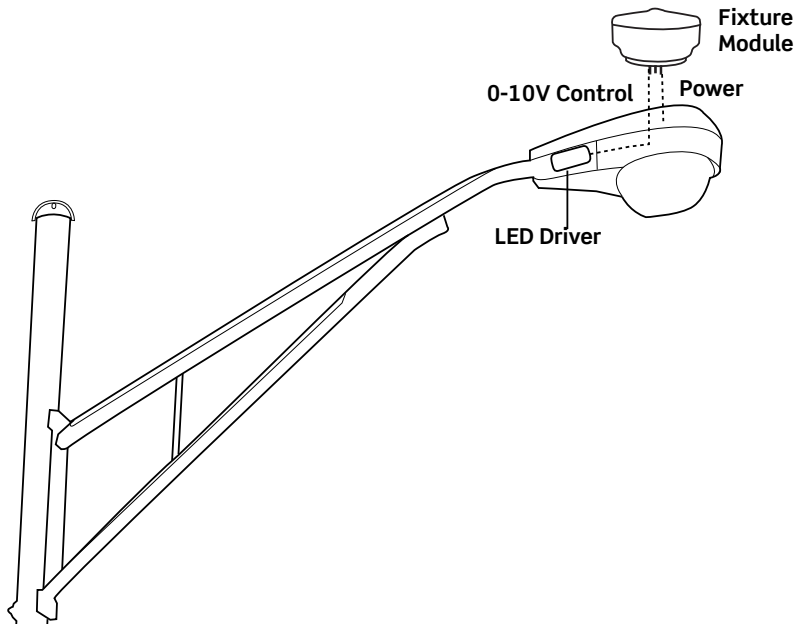Fixture Module

Fixture Module

PROVISIONING

Use the Leviton Provisioning App for Android smart devices to identify and locate the fixture controllers in the NorthStar Outdoor Lighting System. Simply scan the QR code on the fixture module at the point of installation using the GPS feature on your tablet or smart device. Give the fixture module a name, and the software will automatically geolocate the fixture module. This automated process significantly expedites the installation process and simplifies system management. Manual address entry is also available.
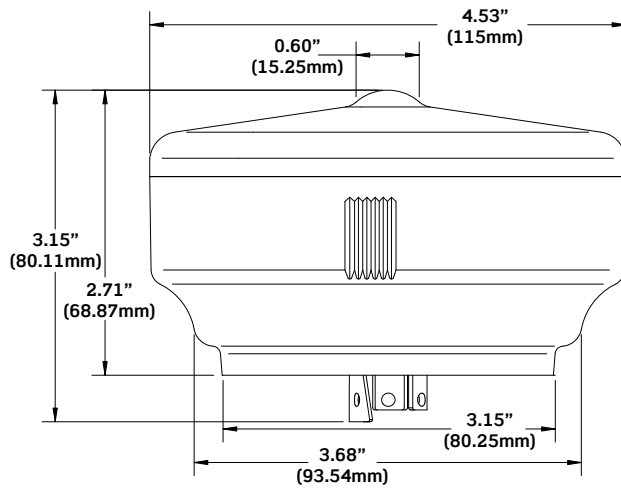
COMMISSIONING

Commissioning is performed through the NorthStar Site Controller using any web browser and the controller's Wi-Fi access point or a wired Ethernet network.
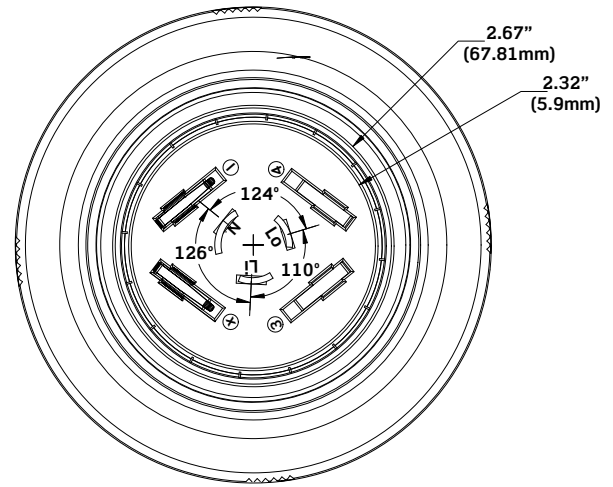
INSTALLATION DIAGRAM

Fixture Module
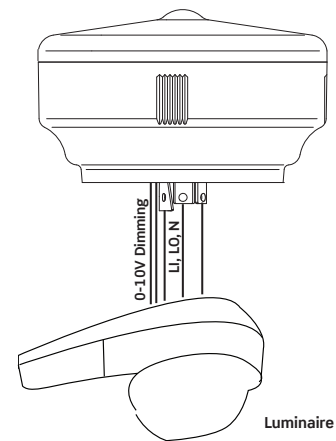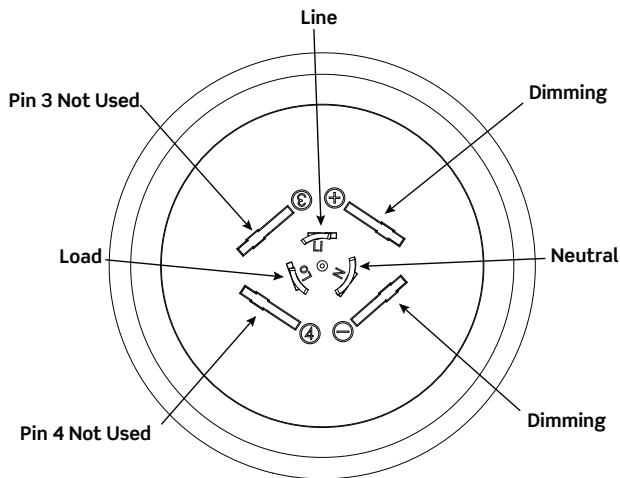
0-10V Control

Power

LED Driver

DIMENSIONS DIAGRAM

4.53"
(115mm)

0.60"
(15.25mm)

3.15"
(80.11mm)

2.71"
(68.87mm)

3.15"
(80.25mm)

3.68"
(93.54mm)

Side View

2.67"
(67.81mm)

2.32"
(5.9mm)

124°

126°

110°

Bottom View

WIRING DIAGRAMS

Line

Pin 3 Not Used

Dimming

Load

Neutral

Pin 4 Not Used

Dimming

0-10V Dimming

L1, L0, N

Luminaire

NorthStar™ Wireless Metering Fixture Controller

PRODUCT DATA

NorthStar™ Wireless Metering Fixture Controller

SPECIFICATIONS

ELECTRICAL	
Input Voltage	100-277VAC +/- 10%, (Max 305V) 50/60 Hz
Load Rating	5A @ 100-277VAC +/- 10%
Dimming Control	0-10V, short circuit protection
Dimming Output	Maximum current 10mA
Power Monitoring	Utility grade: 2% accuracy
ENVIRONMENTAL	
Temperature Range	-40 to 158°F (-40 to 70°C)
Humidity	20 to 90% non-condensing
PHYSICAL	
Weight	0.70 lbs (0.31kg)
Dimensions	4.53" W (115mm) x 3.15" H (80.11mm)
OTHER	
Listings	Can be used to comply with ASHRAE 90.1 and 2016 Title 24, Part 6 outdoor lighting control, occupancy sensing, 0-10V dimming, daylight harvesting, partial-ON, partial-OFF requirements, FCC, IC, UL
Warranty	5-Year

ORDERING INFORMATION

CAT. NO.	DESCRIPTION
OCF00-1RN	Wireless Metering Fixture Controller with NEMA twist lock 120-230-277VAC, 50/60A, 5A Relay