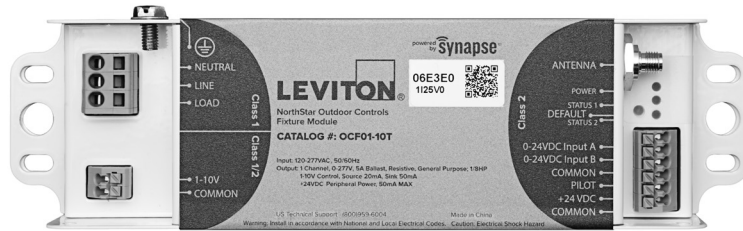


# NorthStar Outdoor Fixture Controller



## DESCRIPTION

The Leviton NorthStar Outdoor Lighting Control System is specifically designed and built for the unique needs of outdoor illuminated environments. The Outdoor Fixture Controller communicates sensor inputs to the Site Controller and enables 0-10V control. The Outdoor Fixture Controller's functions are performed by either a simple time clock, dusk-to-dawn photocell control or via customized, advanced control sequences.

## APPLICATIONS

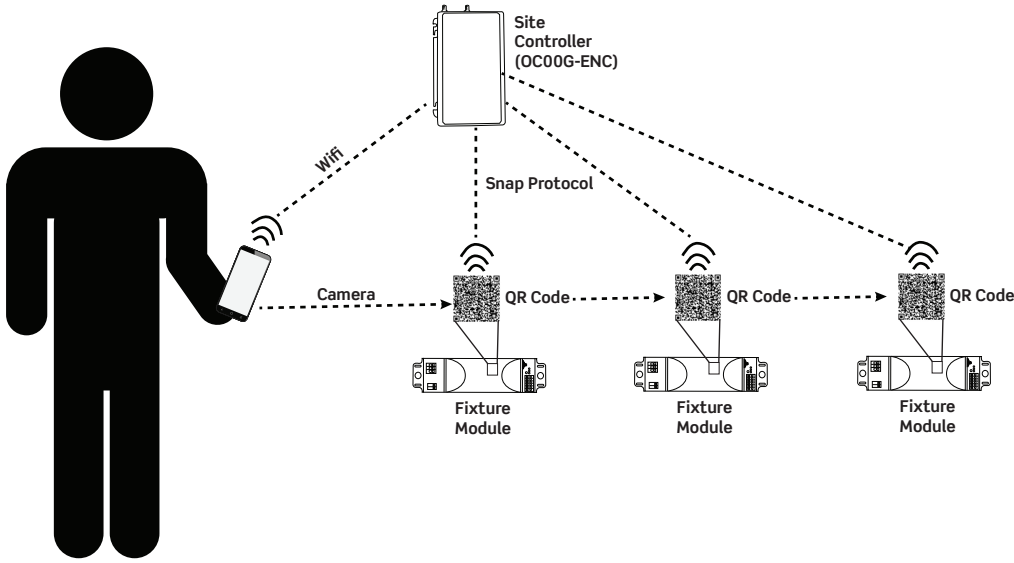
- Parking lots
- Parking garages
- Landscape lighting
- Outdoor sports court lighting

## FEATURES

- Wireless system with a self-healing mesh network (IEEE 802.15.4, 2.4GHz)
- 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
- Metering models available
- Suitable for switching and 0-10V dimming load types
- Energy usage and lamp failure reporting
- Two low-voltage inputs for occupancy sensors or photocell, security systems or light switch interface
- One mile max line-of-sight distance enhances the range and reliability of the network with repeating modes that eliminate the need to configure specific routes
- Return-to-closed relay defaults to ON in the event of product failure to ensure area safety
- Lights turn ON upon initial power up and remain ON until commissioned
- Automatic geolocation and identification of fixture modules with an Android smart phone or tablet
- Web browser commissioning
- Requires NorthStar Site Controller within range of at least one of the nodes

**PRODUCT DATA**

**PROVISIONING**



**PROVISIONING**

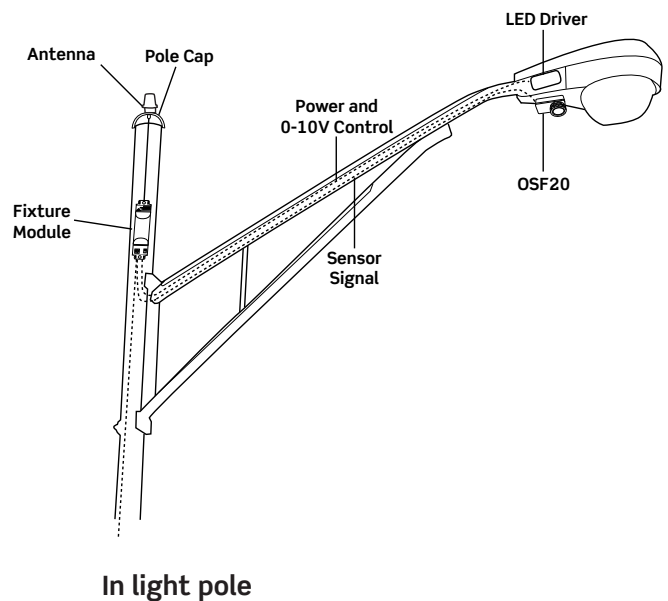
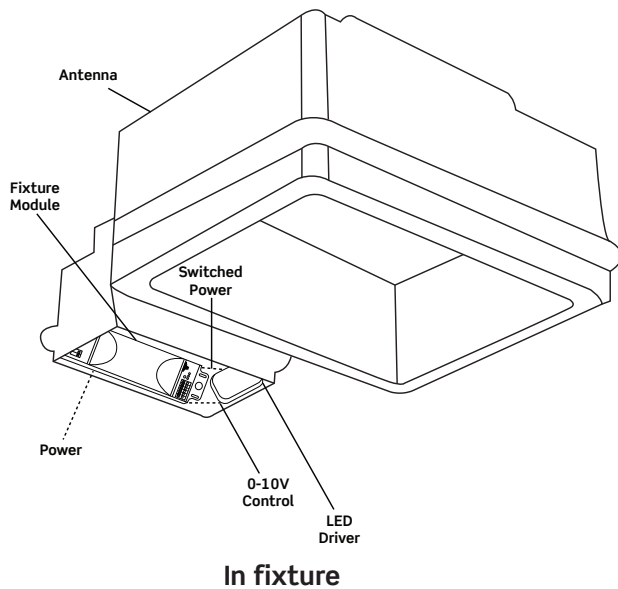
Use the Leviton Provisioning App for Android smart devices to identify and locate the fixture modules in the NorthStar Outdoor Lighting System. Simply scan the QR code on the fixture module at the point of installation using the GPS feature on your tablet or smart device. Give the fixture module a name, 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**

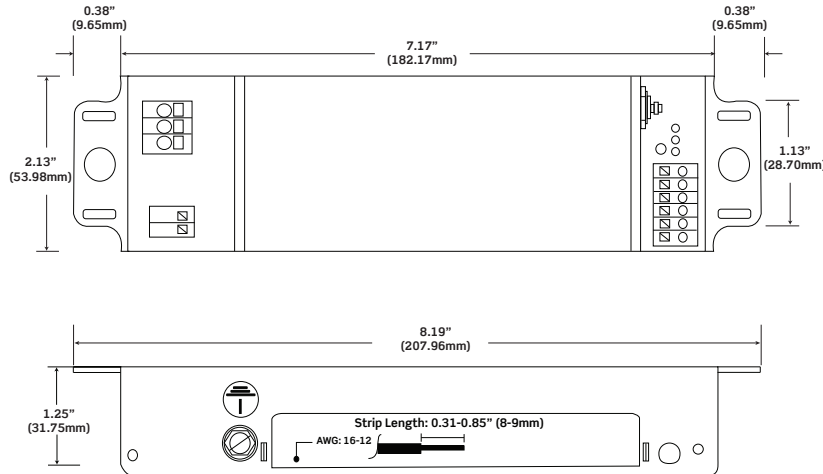
Commissioning is performed through the NorthStar Site Controller using any web browser and the controller's Wi-Fi access point or a wired Ethernet network.

**INSTALLATION DIAGRAMS**

Other mounting options available based on application



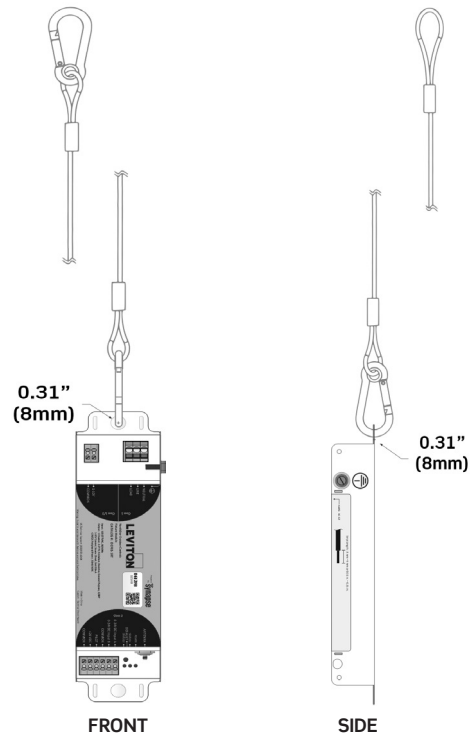
**DIMENSIONS DIAGRAM**



**FEATURES DIAGRAM**



**TETHERING DIAGRAMS**



**NOTE:** When installation requires the Northstar Fixture Controller to hang vertically inside a pole or other application, the stainless steel safety cable is the preferred method. Safety cables can be purchased or built using readily available materials, however, they must be shorter than the antenna cable to ensure the weight of the fixture controller is on the safety cable and not the antenna cable.

**Leviton Manufacturing Co., Inc. Energy Management, Controls and Automation**

20497 SW Teton Avenue, Tualatin, OR 97062 **tech line** 800-959-6004 **fax** 503-404-5594

©2018 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.

**SPECIFICATIONS**

<b>ELECTRICAL</b>	
Input Voltage	120-277VAC, 50/60 Hz
Standby Power	5W
Peripheral Power	+24VDC, 50mA max
Load Ratings	Electronic Ballast: 5A LED: 5A Incandescent/Tungsten: 5A Motor 1/8 HP
Control	0-10V, 50mA sinking, 20mA sourcing
<b>ENVIRONMENTAL</b>	
Temperature Range	-40 to 131°F (-40 to 55°C)
Humidity	0-95% condensing
<b>PHYSICAL</b>	
Weight	1 lb (.45kg)
Dimensions	7.93" (201.42mm)L x 2.13"W (53.98mm) x 1.25" D (31.75mm)
<b>OTHER</b>	
Rating	IP34, suitable for use in wet environments
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, UL, cUL, RoHS, FCC, CE listed

**ORDERING INFORMATION**

<b>CAT. NO.</b>	<b>DESCRIPTION</b>
OCF01-1RT	1 Zone Wireless Outdoor Fixture Controller with metering relay, 120-277VAC, 50/60 Hz*
OCF01-10T	1 Zone Wireless Outdoor Fixture Controller, 120-277VAC, 50/60 Hz*

\*Ships with standard antenna

<b>ACCESSORIES</b>	
<b>CAT. NO.</b>	<b>DESCRIPTION</b>
OCAEX-024	2ft 200 Series Coax Male RPSMA to Male NTYPE Antenna Extension Cable
OCAEX-048	4ft 200 Series Coax Male RPSMA to Male NTYPE Antenna Extension Cable
OCAEX-120	10ft 200 Series Coax Male RPSMA to Male NTYPE Antenna Extension Cable
OCAEX-240	20ft 400 Series Coax Male RPSMA to Male NTYPE Antenna Extension Cable
OCAEX-360	30ft 400 Series Coax Male RPSMA to Male NTYPE Antenna Extension Cable
OCANT-MPA	2.4GHz 3dBi omnidirectional exterior rated antenna for NorthStar Systems
OCANT-MPP	2.4GHz 3dBi omnidirectional exterior rated antenna with 8" pigtail for NorthStar systems, RPSMA connector
OC00G-ENC	Enclosure for NorthStar Site Controller, IP65 rated enclosure, includes externally mounted 3dBi antennas and internal power supply. Site Controller must be purchased separately and installed in the field.
03824-0WM*	TVSS Wire Module, 24 VDC Version 37V Clamping Voltage with Terminal Block
55480-ASA*	Surge Protective Device Type 1 Alarm Version, 277/480VAC or 480VAC

**Leviton Manufacturing Co., Inc. Energy Management, Controls and Automation**

20497 SW Teton Avenue, Tualatin, OR 97062 **tel** 800-736-6682 **fax** 503-404-5594 **tech line** (6:00AM-4:00PM PT Mon-Fri) 800-959-6004

**Leviton Manufacturing Co., Inc. Global Headquarters**

201 North Service Road, Melville, NY 11747-3138 **tel** 800-323-8920 **fax** 800-832-9538 **tech line** (8:30AM-7:00PM ET Mon-Fri) 800-824-3005

**Visit our Website at: [www.leviton.com/northstar](http://www.leviton.com/northstar)**

©2018 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.