NXOFM2
NX ON-FIXTURE MODULE

FEATURES

- Designed for installation on the exterior of the luminaire housing

- NEMA standard male 7-pin twist lock connection

- Integral relay for On/Off control

- Single 0-10V interface for full range dimming control

- Integrated 2.4GHz Wireless Mesh and Bluetooth radio for easy commissioning and communication

- Integrated photocell for daylight harvesting application

- Integral astronomical timeclock for running scheduled events

- Auxiliary input for external control

- Device configuration through NX Lighting Controls Mobile App and NX Site Manager

- Five-year limited warranty

c **UL** us LISTED   Bluetooth®   DAYLIGHT HARVESTING   **FC**   **IP65**   WIRELESS

SPECIFICATIONS

CONSTRUCTION
- Housing: UV Stable - GSM UL Rated 94 HB Plastic

- Color: Black

- Weight: 6.6 oz (187 g)

- Dimensions: 3.52" D x 4.23" H (89.5mm D x 107.5mm H)

MOUNTING
- Mounts to standard NEMA C136.10/C136.41 receptacle

ELECTRICAL
- Input:
  - 120-480VAC, 50/60Hz

- Output:
  - 10A, Tungsten, 120VAC
  - 5A, Standard Ballast, 120-347VAC
  - 5A, Electronic Ballast, 120-277VAC
  - 3A, Standard Ballast, 347VAC-480VAC

ELECTRICAL (CONTINUED)
- Surge/In-rush:
  - Surge Protection: 10kV Max
  - Peak In-rush: 160A for 2ms Max

- Low Voltage Output:
  - 12VDC, 100mA, Isolated, and Short Circuit Protected

- Dimming:
  - 0-10V, 50mA, Current Sink

- Power Metering:
  - NXOFM2 is factory calibrated to provide power metering accuracy of +/- 5% (Rating assumes standard load within specified voltage and temperature rating for NXOFM2; all values provided in Watts)

OPERATING ENVIRONMENT
- Operating Temperature: -40° to 158°F (-40° to 70°C)

- Relative Humidity (non-condensing) 0% to 95%

- IP65 Rated

WIRELESS
- 2.4GHz: IEEE 802.15.4 based

- Bluetooth Version V5.2 (Range: up to 50ft clear line of sight)

- Radio Range: ~300ft (91m) Note: Range Based on Clear Line of Sight

- Recommended Deployment Practice: Located at Least Three Radios within a 300ft Radius for Most Reliable Performance

PROGRAMMING INTERFACE
- NX Lighting Controls Mobile App

- NX Area Controller with Site Manager (NXAC2-120-SM) for Network Applications

CERTIFICATIONS
- cULus Listed

- Complies with FCC Part 15.247
  - FCC ID: YH9NXOFM2
  - IC: 9044A-NXOFM2

WARRANTY
- 5-year limited warranty

- See website for additional information

ORDERING GUIDE

Example: NXOFM2-1R1D-UNV

CATALOG #	

NXSMP2	–	
Series		**Model**
NXOFM2 NX On-Fixture module		**1R1D-UNV** 1 Relay 1 Dimmer, Universal Voltage (120V-480V)

NXOFM2
NX ON-FIXTURE MODULE

DIMENSIONS

A

Mounted Height
[3.65in]
92.8mm

[3.86in]
98.0mm

[4.23in]
107.5mm

A

[2.53in]
⌀ 64.3mm

SECTION A-A

[3.52in]
⌀ 89.5mm
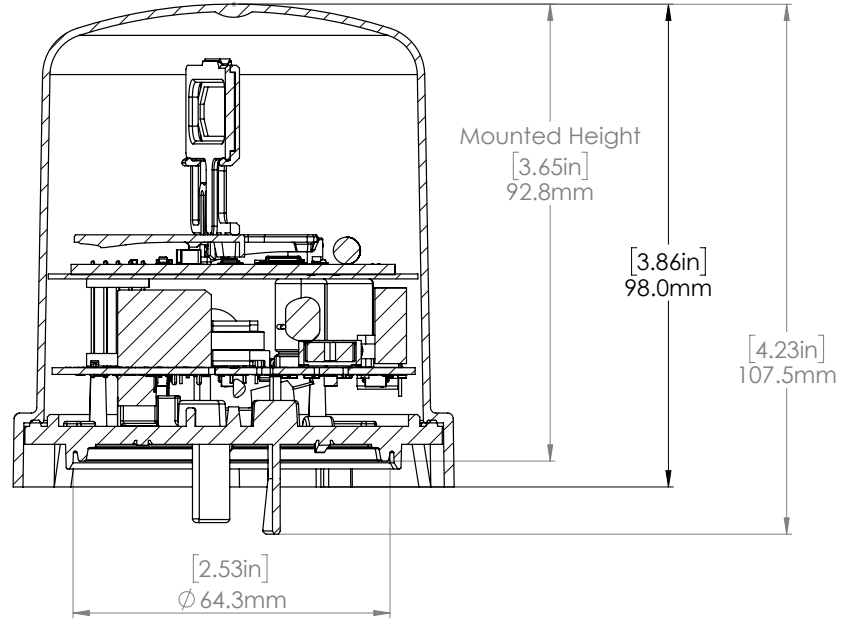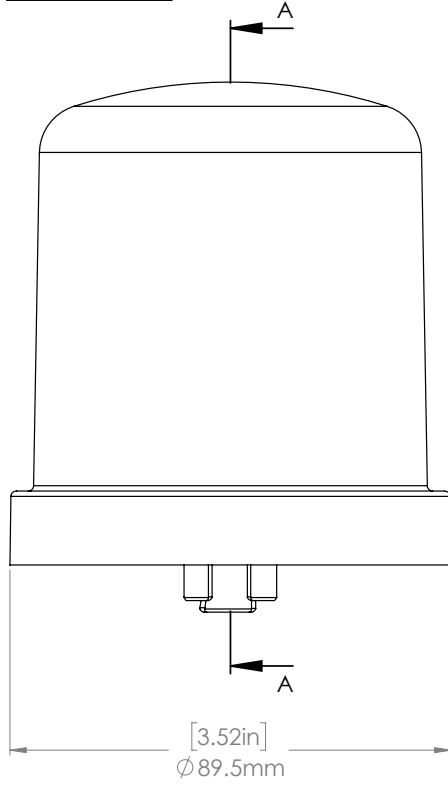
ADDITIONAL INFORMATION

WIRING DIAGRAM

Black (Line In)
White (Neutral/Line 2)
Red (Line Out)
Violet (0-10v) + Out
Pink (0-10v) - GND Out
Brown (12VDC 50mA)
Orange (Digital In 5-24VDC)