



Project Name \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_



The NX Radio Module allows a luminaire equipped with the NXFM in-fixture module to be promoted wirelessly from standalone operation to full network participation. The radio module simply plugs into the SmartPORT™ connector on the fixture module and is mounted through an aperture in the luminaire housing giving the integral antenna line of sight access outside the fixture housing. The exposed portion of the NXRM radio module is low profile, with very little visual impact on the aesthetics of the luminaire.

The NXRM is the ideal solution for applications where interconnecting fixtures with control wire is not practical or desired. Typical applications would include outdoor pole lighting, warehouse, exhibition halls, or any application that could benefit from wireless integrated fixture control.

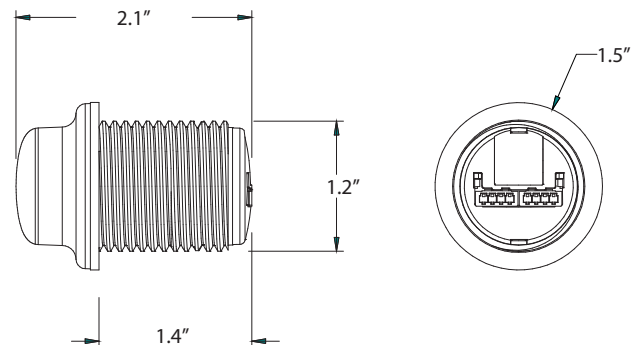
### Product Features

- Low profile housing for minimal visual impact
- Mounts in 1.25" round aperture
- O-ring gasket provides watertight seal to luminaire housing
- Robust & reliable IEEE 802.15.4 2.4GHz wireless self-organizing and self-healing mesh network
- Integral compact PCB F antenna; no external antenna is required
- Integrates seamlessly into the NX Network lighting control network
- 12 VDC, 30 mA supplied by SmartPORT controller

### Compliance and Certification



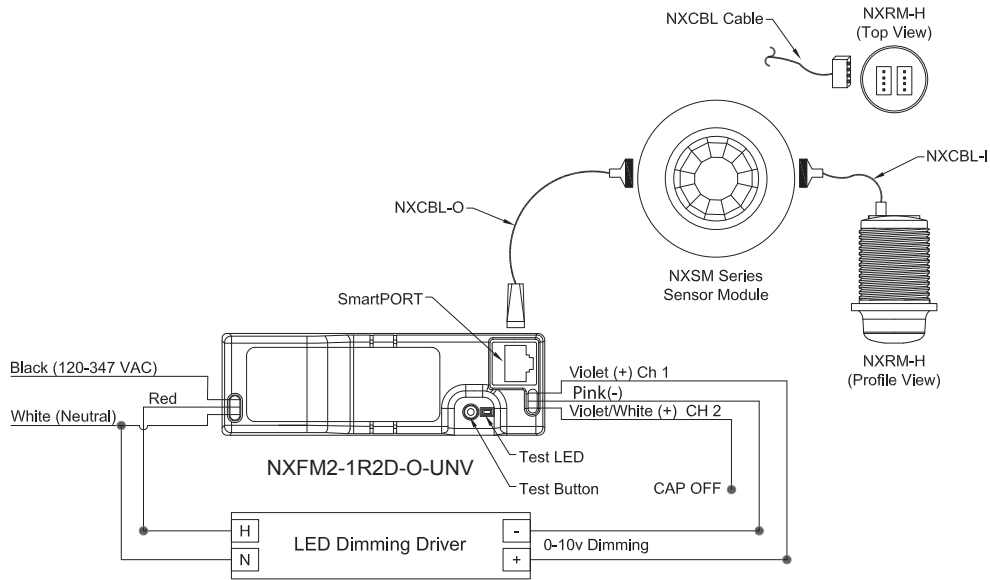
### Dimensional Data



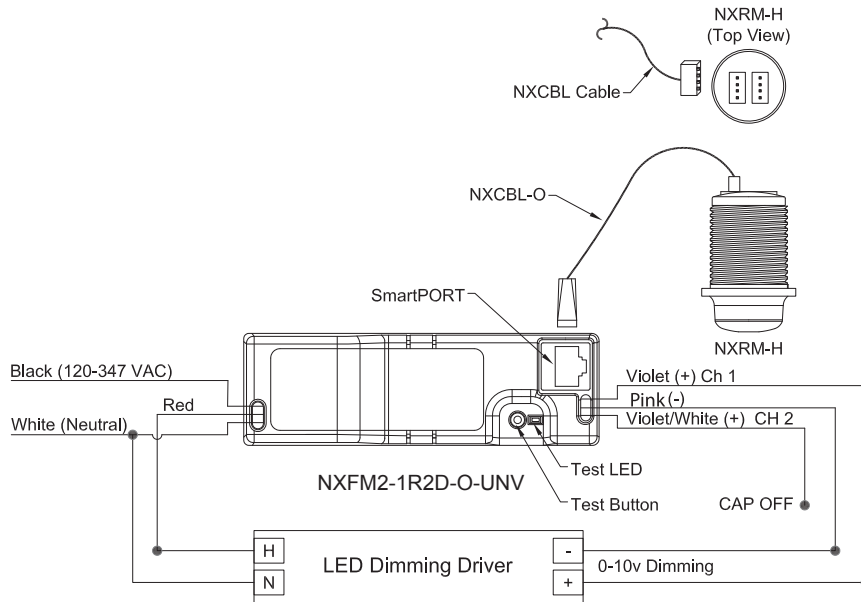
### Ordering Information

NXRM	—	H	—	
<b>MODEL</b>		<b>RADIO TYPE</b>		<b>COLOR</b>
NXRM		H		Blank BK GY
				White Black Gray

Wiring Information



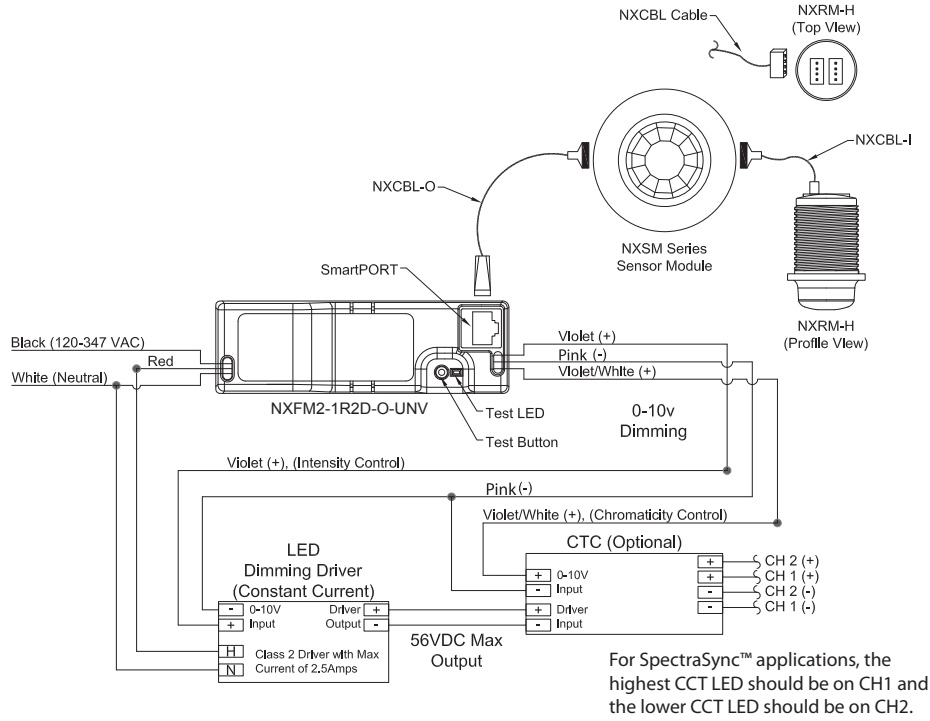
**NXRM-H with Sensor**



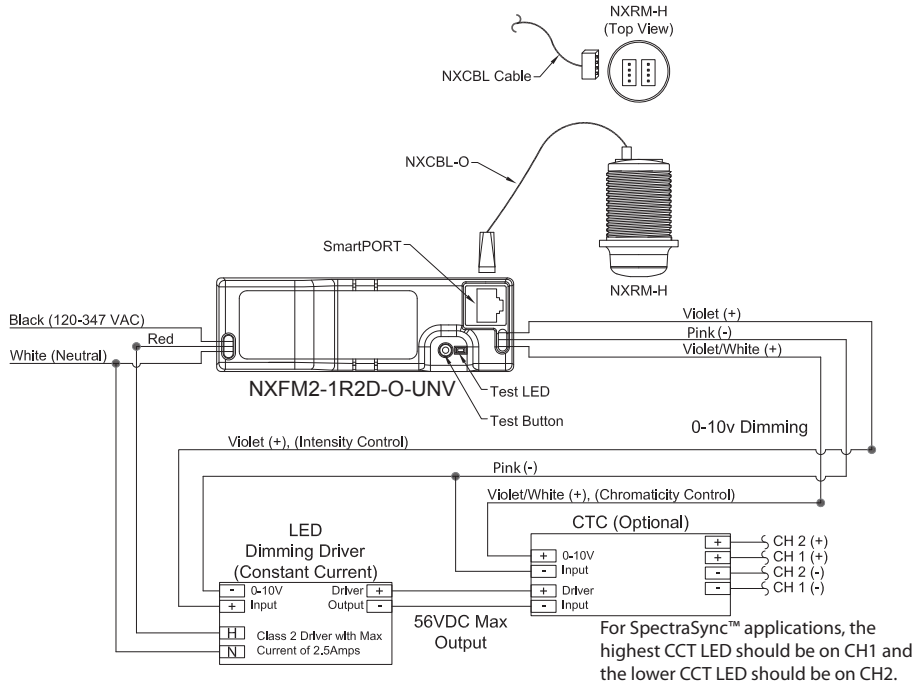
**NXRM-H without Sensor**

Pink wire replaces previous gray wire. Units with a gray instead of pink wire should be wired as the pink wire shown in the diagram.

Wiring Information



**NXRM-H with Sensor and Optional CTC**



**NXRM-H without Sensor and Optional CTC**

Pink wire replace previous gray wire. Unites with a gray instead of pink wire should be wired as the pink wire shown in the diagram.

## General Specifications

RF Frequency	ISM 2.4GHz
RF Range	Up to 1000 ft (Clear Line of Sight)
Radio Performance	Radio Range: Indoor: ~300 ft. (~100m) <i>Note: Actual range is dependent upon building construction and radio location</i> Outdoor: ~1000 ft. (~300m) <i>Note: Range based on clear line of site.</i> Recommended Deployment Practices: Locate three radios within a 300 foot radius for most reliable performance
Standby Power (W)	120VAC: 0.2 277VAC: 0.2 347VAC: 0.3
Operating Environment	Operating Temperature: -40°F to 185°F (-40° C to 85°C) Relative humidity (non-condensing): 0 to 95% IP65 Rated Suitable for use in return air plenum
Construction	Housing: GSM UL Rated 94 HB Plastic
Dimensions	2.1"L x 1.5"D Overall (1.4"L x 1.2"D Stem) 53.34mm L x 38.1mm D Overall (35.56mm L x 30.48mm D Stem)
Weight	4.0 oz [113.4g]
Color	White, Black, Gray
Mounting	Mounts in 1.25" diameter aperture, secured by supplied nut on threaded body
Certifications	cULus listed, FCC Part 15.247, Conforms with UL916 and certified to CAN/CSA C22.2 No. 205-M1983, IC approved Contains FCC ID: U90-SM220 IC: 7084A-SM220
Warranty	5-year limited