

PROJECT NAME: \_\_\_\_\_ CAT. #: \_\_\_\_\_  
 NOTES: \_\_\_\_\_ FIXTURE SCHEDULE: \_\_\_\_\_

## Round Network BLE Nodes & Sensors - Extended Range



**NN-RDMPBXR**

### c-Max Overview

c-Max network lighting controls features a patent pending plug-and-play interface that allows for easy field installation of low voltage nodes and sensors to create an affordable luminaire lighting control solution. Sensor is integrated with an occupancy sensor, photocell and other control capabilities to help achieve energy code compliance.

### Applications:

- Site Lighting
- Parking Garages/Lots
- Exterior

### Features

- Luminaire Level Lighting Control (LLLC) enabled with wireless bluetooth technology and extended mesh range
- Up to 328ft node-to-node communication range and line of sight
- Simple "Plug-and-Play" Connection - Easy to install in the field with pre-installed USB-C receptacle in Maxlite Controls Ready luminaires
- Easy Commissioning with c-Max App (Available in IOS and Android)
- Local Bluetooth Network with no gateway needed
- Choice of different settings for desired functionality: Occupancy Sensor and Photocell
- Individual Addressability and/or Grouping
- Multi-level dimming: Manual ON/OFF Automatic ON/OFF, and Automatic Partial ON/OFF control capability
- Ability to create scenes for more customized dimming scenarios
- Time clock scheduling for individual lights, groups, or scenes
- High-Trim/Tuning sets the maximum light level based on customer requirements in each space
- Includes locking screw to resist vandalism and withstand vibration (USB-C models require 1.5mm Allen wrench)
- Check <https://www.maxlite.com/cmax> for c-Max fixture compatibility
- 5 Years warranty. Check [maxlite.com/warranties](http://maxlite.com/warranties) for details

### PIR Sensor Features

MOTION SENSING	ON/OFF
PHOTOCELL	ON/OFF
FIRST TIME DELAY	1-59 minutes/infinite
SECOND TIME DELAY	0-59 minutes/infinite
DIM LEVEL	1-100%
MOUNTING HEIGHT	10-40ft
DETECTION RANGE	80ft diameter
DETECTION HORIZONTAL PATTERN	360°
DETECTION VERTICAL PATTERN	90°

### Ordering Information

MODEL NUMBER	DESCRIPTION	UPC	ORDER CODE
NN-RDMPBXR	NETWORK NODE ROUND, PIR MOTION SENSOR, PHOTOCELL , BRONZE	767627061653	111459

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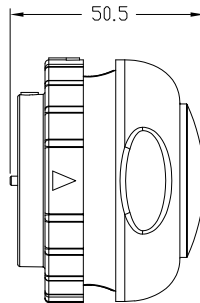
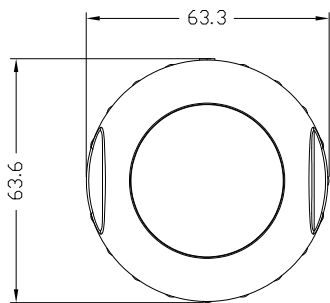
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## Specifications:

Specifications:	NN-RDMPBXR
BLE CONTROL NODE	Yes
PHOTOCELL	Yes
PIR MOTION SENSOR	Yes
OVERALL DIMENSIONS	Ø63.3mm x 50.5mm
COLOR	Black
WEIGHT	1.92 g
HOUSING MATERIAL	UV Rated Nylon
CONNECTOR PORT	USB-C
OPERATING VOLTAGE	12-20VDC
OPERATING CURRENT	max 35mA
SINKING CURRENT	max 25mA
CONTROL OUTPUT	0-10V (Linear)
RADIO FREQUENCY	2.4GHz ± 75MHz
WIRELESS STANDARD	BLE MESH
PROGRAMMING	c-Max Mobile App (IOS and Android)
CYBERSECURITY	UL1376 Gold Rating
ENCRYPTION	AES 128-bit
MESH RANGE	50ft node-to-device (Commissioning) and up to 328ft node-to-node (line of sight)
SAFETY	cULus Listed E511069 Light-emitting-diode Controllers
FCC	FCC ID: 2AZRDCMAX2021
BQB	D055367
OPERATING TEMPERATURE	-40°F to 130°F / -40°C to 55°C
IP RATING	IP66

## Product Dimensions (mm)

### NN-RDMPBXR

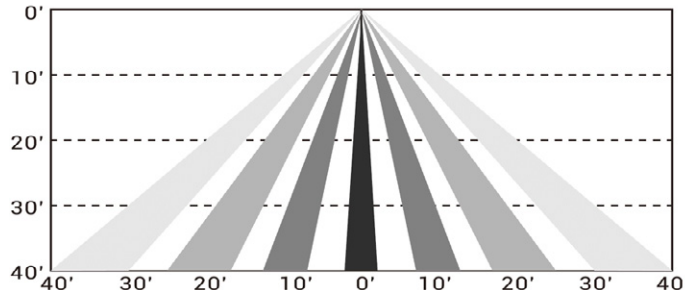


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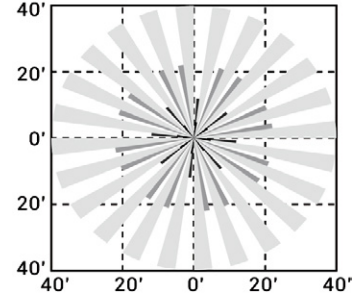
## Sensor Detection Coverage

NN-RDMPBXR

SIDE VIEW



TOP VIEW



MOUNTING HEIGHT	ft (m)	10' (3)	20' (6)	30' (9.1)	40' (12.2)
MAX COVERAGE DIAMETER	ft (m)	20' (6)	40' (12.2)	60' (18.3)	80' (24.4)

## Commissioning

c-Max mobile App makes it easy to pair devices, create groups, set scenes/schedules, customize dimming levels, and adjust high trim based on application needs.

Visit [www.maxlite.com/cmox](http://www.maxlite.com/cmox) for How-to-Videos and a comprehensive commissioning guide.

