

PROJECT NAME: _____ CAT. #: _____
NOTES: _____ FIXTURE SCHEDULE: _____

Rectangular Network BLE Nodes & Sensors

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. Sensors integrated with occupancy, daylight harvesting, and other control capabilities help achieve energy code compliance.

Applications:

- Office
- Hospitals
- Schools
- Warehouses
- Industrial
- Retail

Features

- Luminaire Level Lighting Control (LLLC) enabled with wireless bluetooth technology
- 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 devices based on your desired functionality: Occupancy and Daylight Harvesting on select models
- 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 (12mm) to resist vandalism and withstand vibration (Requires 2.5mm Allen wrench)
- Check <https://www.maxlite.com/cmax> for c-Max fixture compatibility
- 5 Year Warranty



PIR Sensor Features

| | |
|------------------------------|-----------------------|
| DAYLIGHT HARVESTING | ON/OFF |
| MOTION SENSING | ON/OFF |
| FIRST TIME DELAY | 1-59 minutes/infinite |
| SECOND TIME DELAY | 0-59 minutes/infinite |
| DIM LEVEL | 1-100% |
| MOUNTING HEIGHT | 8-20ft |
| DETECTION RANGE | Up to 20ft diameter |
| DETECTION HORIZONTAL PATTERN | 360° |
| DETECTION VERTICAL PATTERN | 90° |

Ordering Information

| MODEL NUMBER | DESCRIPTION | UPC | ORDER CODE |
|--------------|--|--------------|------------|
| NN-RTW | NETWORK NODE RECTANGULAR, WHITE | 767627011924 | 105892 |
| NN-RTPSW | NETWORK NODE RECTANGULAR, PIR MOTION SENSOR/ DAYLIGHT HARVESTING, WHITE | 767627011330 | 106059 |
| NN-RTVSW | NETWORK NODE RECTANGULAR, PIR VACANCY SENSOR/ DAYLIGHT HARVESTING, WHITE | 767627012730 | 106001 |
| NN-RTDHW | NETWORK NODE RECTANGULAR, DAYLIGHT HARVESTING, WHITE | 767627011931 | 105893 |



5-year standard warranty (further details available at www.maxlite.com/warranties) Product may be eligible for a warranty extension to 10 years, for an additional fee. Contact MaxLite for details.

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Specifications:

| | NN-RTW | NN-RTDHW | NN-RTPSW | NN-RTVSW |
|---------------------------|--|----------------------------|---------------------------|---------------------------|
| BLE CONTROL NODE | Yes | Yes | Yes | Yes |
| DAYLIGHT HARVESTING | No | Yes | Yes | Yes |
| DIGITAL PIR MOTION SENSOR | No | No | Yes | Yes |
| DETECTION MODE | N/A | N/A | Occupancy | Vacancy* |
| OVERALL DIMENSIONS | 51.5mm x 20.5 mm x 10.8 mm | 51.5mm x 20.5 mm x 10.8 mm | 58 mm x 20.8 mm x 20.5 mm | 58 mm x 20.8 mm x 20.5 mm |
| WEIGHT | 0.32oz | 0.48oz | 0.32oz | 0.32oz |
| CONNECTOR PORT | USB-C | | | |
| OPERATING VOLTAGE | 12-20VDC | | | |
| OPERATING CURRENT | max 35mA | | | |
| SINKING CURRENT | max 25mA | | | |
| CONTROL OUTPUT | 0-10V | | | |
| RADIO FREQUENCY | 2.4GHz ± 75MHz | | | |
| WIRELESS STANDARD | BLE 4.2 MESH IEEE 802.15.1 | | | |
| PROGRAMMING | c-Max Mobile App (IOS and Android) | | | |
| CYBERSECURITY | UL1376 Bronze Rating Pending | | | |
| ENCRYPTION | AES 128-bit | | | |
| MESH RANGE | 100ft node-to-node and 50ft node-to-device (Commissioning) | | | |
| 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 | | | |
| COLOR | White | | | |

*Must be paired with a Network Wall Switch

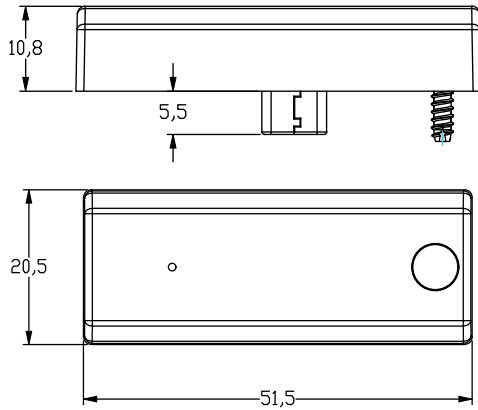


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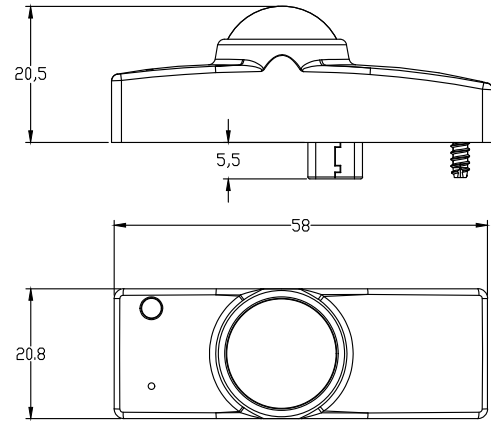
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Product Dimensions

NN-RTW AND NN-RTDHW



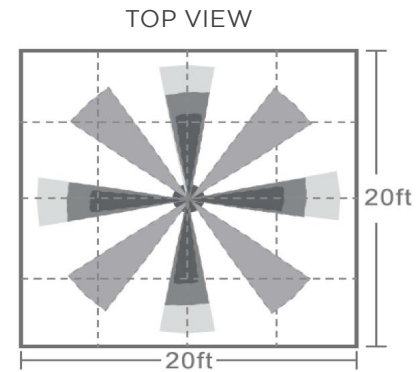
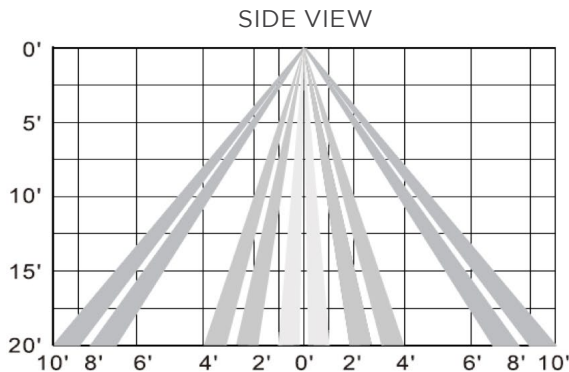
NN-RTPSW/NN-RTVSW



REQUIRES M2.5 ALLEN WRENCH

Detection Coverage

NN-RTPSW



| MOUNTING HEIGHT | ft (m) | 8' (2.4) | 10' (3) | 15' (4.6) | 20' (6) |
|-----------------------|--------|----------|---------|-----------|---------|
| MAX COVERAGE DIAMETER | ft (m) | 8' (2.4) | 10' (3) | 15' (4.6) | 20' (6) |

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/cmax for How-to-Videos and a comprehensive commissioning guide.

