CMax NC™

NETWORK LIGHTING CONTROLS

CMax™
LIGHTING CONTROLS

www.maxlite.com/cmax

PATENTED TECHNOLOGY
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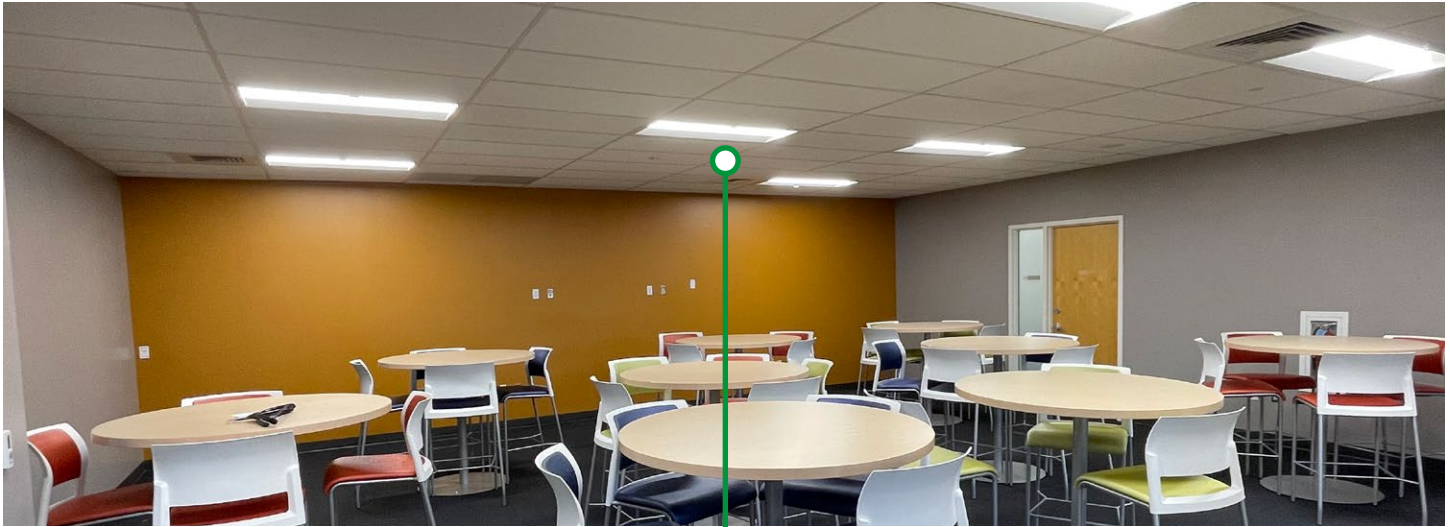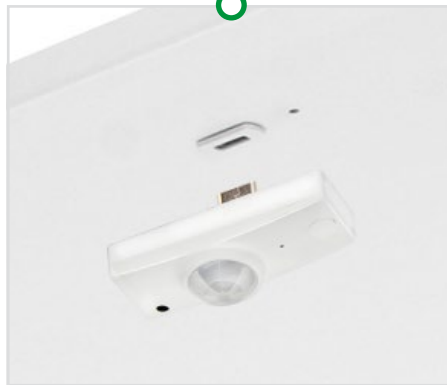**❊ Bluetooth®**

c-Max Overview

c-Max Network Controls, a DLC® Qualified Networked Lighting Controls Product, make it easy for facilities to save energy, improve occupancy comfort and achieve code compliance by adding Luminaire Level Lighting Controls (LLLC) to indoor and outdoor applications. A patented design allows for easy field installation of sensors and network nodes with MaxLite controls ready fixtures. Our c-Max Network Controls can easily scale from small to large installation projects!

Simple

- Easy DIY installation - low voltage sensor plugs into USB-C receptacle on MaxLite controls ready fixture

- Easy commissioning using c-Max App (iOS & Android)

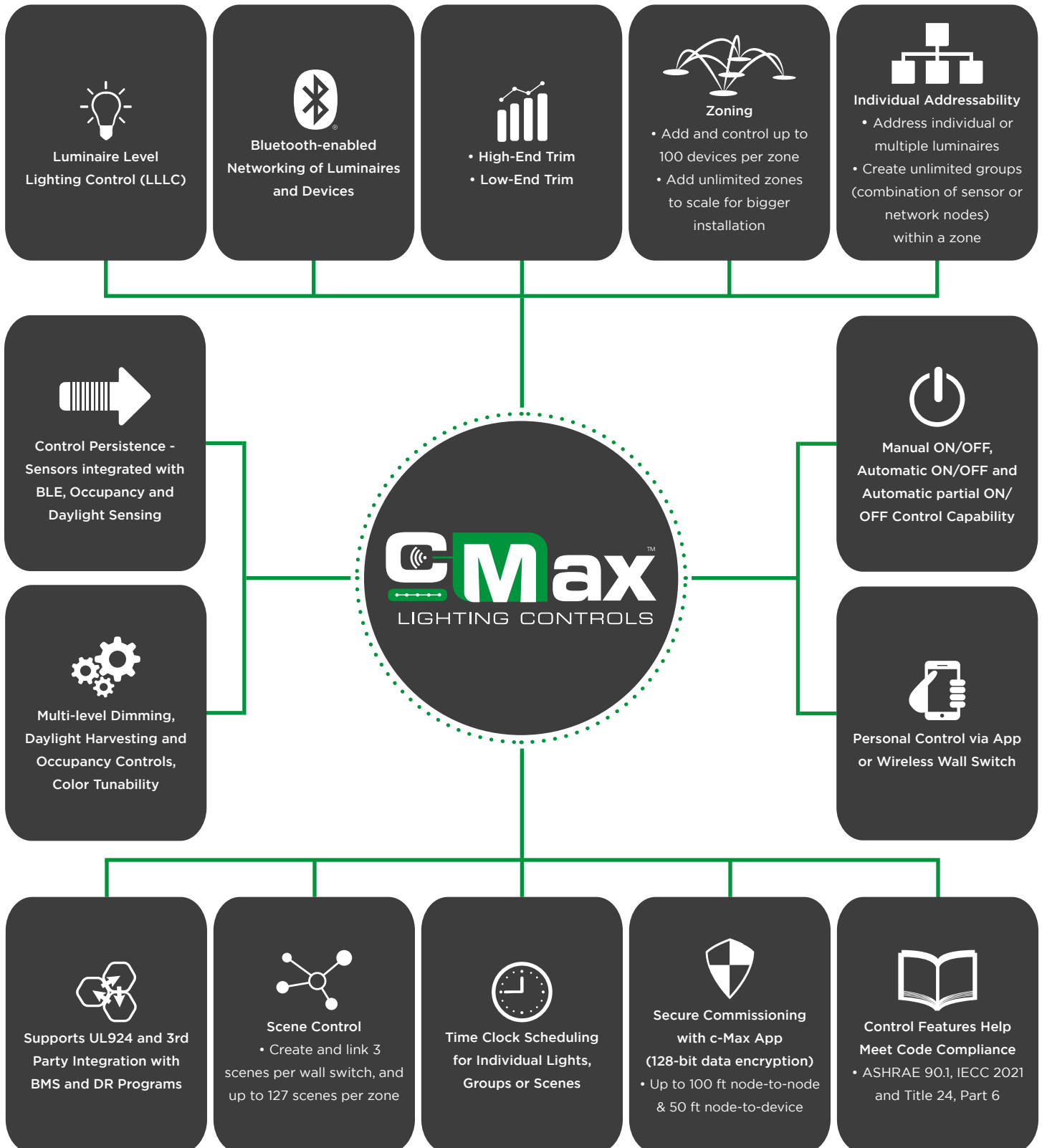- Easy on budget – affordable and scalable solution

Versatile

- Scale across both indoor and outdoor product portfolio

- Multiple energy-saving features packed in small form factor

- Choose from a variety of devices including sensors, network nodes and powerpack

Future Ready

- Add network controls during installation or later, depending on need

- Upgrade sensors without removing the fixture

- Version and firmware updates will be backwards compatible

What can c-Max Network Controls do?

Luminaire Level Lighting Control (LLLC)

Bluetooth-enabled Networking of Luminaires and Devices

- High-End Trim
- Low-End Trim

Zoning
- Add and control up to 100 devices per zone
- Add unlimited zones to scale for bigger installation

Individual Addressability
- Address individual or multiple luminaires
- Create unlimited groups (combination of sensor or network nodes) within a zone

Control Persistence - Sensors integrated with BLE, Occupancy and Daylight Sensing

Manual ON/OFF, Automatic ON/OFF and Automatic partial ON/OFF Control Capability

Multi-level Dimming, Daylight Harvesting and Occupancy Controls, Color Tunability

c-Max™ LIGHTING CONTROLS

Personal Control via App or Wireless Wall Switch

Supports UL924 and 3rd Party Integration with BMS and DR Programs

Scene Control
- Create and link 3 scenes per wall switch, and up to 127 scenes per zone

Time Clock Scheduling for Individual Lights, Groups or Scenes

Secure Commissioning with c-Max App (128-bit data encryption)
- Up to 100 ft node-to-node & 50 ft node-to-device

Control Features Help Meet Code Compliance
- ASHRAE 90.1, IECC 2021 and Title 24, Part 6

Fixture Integral Sensors

CONTROL IMAGE	ORDER CODE	ITEM #	DESCRIPTION	APPLICATION	FEATURES
	106059	**NN-RTPSW**	Network Node Rectangular, PIR Motion Sensor/Daylight Harvesting, White	Indoor	*Bluetooth, Motion Sensor (PIR), Daylight Harvesting (continuous adjustment), High Trim, Scenes, Schedules*
	106001	**NN-RTVSW**	Network Node Rectangular, Vacancy Sensor, White	Indoor	*Bluetooth, Motion Sensor (PIR), Vacancy Sensor, High Trim, Scenes, Schedules*
	105893	**NN-RTDHW**	Network Node Rectangular, Daylight Harvesting, White	Indoor	*Bluetooth, Daylight Harvesting (continuous adjustment), High Trim, Scenes, Schedules*
	108255	**NN-RDMPB**	Network Node Round, PIR Motion Sensor, Photocell, Bronze	Outdoor	*Bluetooth, Motion Sensor (PIR), Photocell (On/Off), High Trim, Scenes, Schedules*
	105905	**NN-RDMSW**	Network Node Round, PIR Motion Sensor, Daylight Harvesting, White	Indoor	*Bluetooth, Motion Sensor (PIR), Daylight Harvesting (continuous adjustment), High Trim, Scenes, Schedules*
	108688	**NNA-RDMSW**	Network Node (AJ) Round, PIR Motion Sensor, Daylight Harvesting, White	Indoor	*Bluetooth, Motion Sensor (PIR), Daylight Harvesting (continuous adjustment), High Trim, Scenes, Schedules*

Fixture Integral Nodes

CONTROL IMAGE	ORDER CODE	ITEM #	DESCRIPTION	APPLICATION	FEATURES
	105892	**NN-RTW**	Network Node Rectangular, White	Indoor & Outdoor	*Bluetooth, High Trim, Scenes, Schedules*
	105895	**NN-MGT**	Network Node Magnet, Translucent	Indoor	*Bluetooth, Magnetic, High Trim, Scenes, Schedules*
	105897	**NN-RDB**	Network Node Round Bronze Or White	Indoor & Outdoor	*Bluetooth, High Trim, Scenes, Schedules*
	106391	**NN-RDW**			
	109413	**NNA-RDW**	Network Node W/ Audio Jack, Round, Bluetooth, 12VDC, White	Indoor	*Bluetooth, High Trim, Scenes, Schedules*

Wall Switches

CONTROL IMAGE	ORDER CODE	ITEM #	DESCRIPTION	APPLICATION	FEATURES
	109498	**WNS3U-W**	120-277V 3-button Network Wall Switch, Bluetooth, White	Indoor	*AC, Bluetooth, On/Off, Dim Up/Dim Down*
	109499	**WNS7U-W**	120-277V 7-button Network Wall Switch, Bluetooth, White	Indoor	*AC, Bluetooth, On/Off, 4 Programmable Scenes, Dim Up/Dim Down*
	108392	**WNS5-W**	5 Button Network Wall Switch, Bluetooth, White	Indoor	*Battery, Bluetooth, On/Off, Scenes, Manual Dimming*
	109111	**WNS3-W**	3 Button Network Wall Switch, Bluetooth, White	Indoor	*Battery, Bluetooth, On/Off, Manual Dimming*
	109112	**WNS1-W**	1 Button Wall Switch, Bluetooth, White	Indoor	*Battery, Bluetooth, On/Off*

Relays

CONTROL IMAGE	ORDER CODE	ITEM #	DESCRIPTION	APPLICATION	FEATURES
	109502	**WWR-PL20A-W**	120V Network 20A Wall Receptacle, Bluetooth, White	Indoor	*Bluetooth, 20A Tamper Resistant Plug Load Control, One Controlled And One Non-Controlled Receptacle, Time Clock Scheduling*
	106318	**NPP-300W**	120-277V Network Power Pack 300W Max	Indoor	*Bluetooth, High Trim, Scenes, Schedules*
	109113	**NPP-ZC20A**	120-277V Network Zone Controller 20A 0-10V	Indoor	*Bluetooth, High Trim, Scenes, Schedules*
	109329	**NPP-PL20A**	120-277V Network Power Pack, Plug Load 20A With Dry Contacts	Indoor	*Bluetooth, High Trim, Plug Load, Schedules*
	106904	**CNS-PSW**	120-277V Network Relay PIR Motion Sensor, Daylight Harvest, White	Indoor	*Bluetooth, Motion Sensor (PIR), Daylight Harvesting (continuous adjustment), High Trim, Scenes, Schedules*

Ceiling Mounted Sensors

CONTROL IMAGE	ORDER CODE	ITEM #	DESCRIPTION	APPLICATION	FEATURES
	107788	**NPPSL-PSW***	Network Power Pack PIR Sensor, 12V, White	Indoor	*Motion Sensor (PIR)*
	107791	**CNSL-PSW****	Network Sensor 12V, Bluetooth/ Pir Motion Sensor / Daylight Harvest, White	Indoor	*Bluetooth, Motion Sensor (PIR), Daylight Harvesting (continuous adjustment), High Trim, Scenes, Schedules*

Accessories

CONTROL IMAGE	ORDER CODE	ITEM #	DESCRIPTION	APPLICATION	FEATURES
	109114	**NPP-EM**	120-277V Network UL924 Wireless Emergency Module	Indoor	*Bluetooth, UL924*
	108859	**NN-RTC**	Network Node Real Time Clock Sync Device	Indoor & Outdoor	*Real Time Clock*
	109419	**NN-BRG01**	c-Max Network Bridge -3rd Party Integration	Indoor	*Ability to connect to 3rd party systems*
	109438	**ISY994-CMAX-OADR**	Open ADR Demand Response Gateway	Indoor	*Open ADR, Demand Response*
	108860	**NN-EDC**	Network Node Energy Data Collector	Indoor & Outdoor	*Energy Monitoring + Real Time clock*
	107785	**CEA-RDB****	c-Max External Adapter Round Bronze Or White	Indoor & Outdoor	*Adapter Paired with Sensors and Nodes*
	106903	**CEA-RDW****			

*Needs to be paired with NPP-300W   **May be paired with NPP-300W to enable daylight harvesting or could be powered directly with MaxLite CR fixtures
***Adapter compatible with c-Max Network and c-Max Basic round sensors/nodes
c-Max Relays and Ceiling Mounted Sensors can be used with MaxLite or other non-MaxLite luminaires

Pair c-Max Network Nodes with Controls-Ready MaxLite products today, or in the future!

cMax ™
CONTROLS COMPATIBLE

Patent Pending vandal-resistant design with locking screw that secures sensor to fixture.

Controls Ready Fixtures

MaxLite Controls Ready (CR) fixtures allow for quick and easy in-field installation of controls. Simply purchase any CR fixture and the required Controls Node and you're all set! (See individual product datasheets for available controls options and ordering information)

CR — CONTROLS READY

INDOOR

NETWORK NODE	RECESSED — FlatMax Flat Panels, ArcMax Troffer, Troffer Retrofit Kit	LINEAR — LS Strip LSV, Vapor Tight, LSU Utility Wrap	ECO High Bay	Linear High Bay	Round High Bay	Magnetic Retrofit Bar Kit
NN-RTPSW	✔					
NN-RTDHW	✔					
NN-RTW	✔	✔				
CEA-RDW		✔	✔			
NN-RDMSW**		✔	✔	✔		
NN-RDW		✔	✔	✔		
NNA-RDMSW					✔	
NNA-RDW					✔	
NN-MGT						✔

*PIR requires line of sight and cannot not be used in products behind the lens.
**To use NN-RDMSW with the above linear and highbay products, the CEA-RDW External adapter also needs to be purchased separately

OUTDOOR

NETWORK NODE	Open Face Wall Pack	Cutoff Wall Pack	Barn Light	M Series	Area AR Slim+	PathMax Slim Bollards
NN-RTW	✔	✔	✔			
CEA-RDB**	✔	✔				
NN-RDMPB	✔	✔		✔	✔	✔
NN-RDB				✔	✔	✔

*PIR requires line of sight and cannot not be used in products behind the lens.
Round nodes (NN-RD*) can be used with the CEA-RDB External Adapter

Additional Resources:
Visit **www.maxlite.com/cmax** for how-to videos, FAQs and more!

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