

N3 Satellite

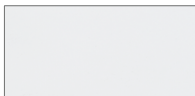
PRODUCT DESCRIPTION

Ketra's N3 satellite provides several vital system functions: control of Ketra's linear luminaires, connection to vacancy/occupancy and daylight sensors, and integration of third-party products. The N3's wireless connectivity enables its installation in multiple, convenient locations.

PRODUCT FEATURES

- Control Interface that enables Ketra's G2, L3I and L4R luminaires to join Lutron's wireless network for easy installation
- On-board content storage and astronomical time clock
- Low voltage interface ports for interfacing with occupancy/vacancy and daylight sensors, 0-10 V, contact closure, and DMX devices

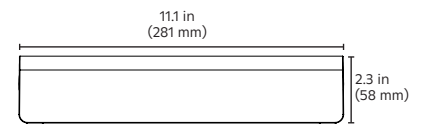
Finish



White



Black



SPECIFICATIONS

Environmental

Operating Ambient Temperature	-20 to 50 °C
Humidity	0 - 95%, Non-condensing
Certification	UL, cUL, FCC Class A, RoHS
Location	UL Damp Location, IP20
Outdoor/Indoor	Not for use in outdoor applications
Warranty	5 year fixture, LED, and dimming warranty

Mechanical

Weight	2.93 lbs (1.33 kg)
Housing Material	Formed Steel, Polymer

Electrical

Load Ratings	Per Unit: 16 A @ 120 V~ 60 Hz (20 A de-rated to 80%)
Power Requirements	Unit consumes 5 W electrical power Current: 0.041 A @ 120 V~
To compute total load, add 5W to sum of all connected luminaire power ratings.	
Voltage	120-277 V~ 60 Hz
Emergency Lighting	Evaluated by UL [®] for use in emergency lighting systems in accordance with standard UL [®] 924 and CSA C22.2 No. 141 when paired with the LVS™ model LUT-SHUNT-A-TD (UL [®] file E206507) and any/all Ketra linear fixtures (G2/L31/L4R). See Lutron Application Note 106 (P/N 048106) at www.lutron.com for wiring details. This is only applicable to CCX fixtures used in an Athena system.
Max. Number of Linears	Up to 40 ft (12 m) of luminaires and 100 ft (30 m) total length per N3.

Enclosure & Connections

Connections (Class 1)	
AC Power In (3 Conductor 100-277 V~ 60Hz)	10 - 16 AWG (4.0 - 1.0 mm²)
AC Power Out (4 Conductor) ¹	Standard Ketra Leader Cable or 10 - 16 AWG (4.0 - 1.0 mm²)
Connections (Class 2)	
Multifunction I/O (4 channels)	16 - 24 AWG (1.0 - 0.2 mm²)
Max Voltage per channel:	30 V ⁼⁼
0-10 V Input/Output	
0-10 V Sinking	
Max Current Per Channel:	100 mA
Max Total Current:	200 mA
0-10 V Current Sourcing	
Max Current Per Channel:	Less than 5 uA
0-24 V Input	
Voltage Range:	0 to 24 V
Contact closure mode	
Maximum output sink current (per channel):	1.0 A
Contact closure type for input and output:	Maintained contact closure only
Full Universe of DMX Out	
USB Port	1 - Micro-B USB console port, for firmware updates

The maximum number of N3 systems within a 20 ft (6.1 m) radius is four systems. For additional limitations when multiple N3 links are in close proximity, please see the "Lutron Residential and Commercial Systems Rules" spec (P/N 369821) at www.lutron.com.

¹ When the standard Ketra leader cable is not used the output wires should be run in metal conduit or sheathing.

ORDERING GUIDE

Please download this PDF to use the interactive drop down features of the ordering guide.

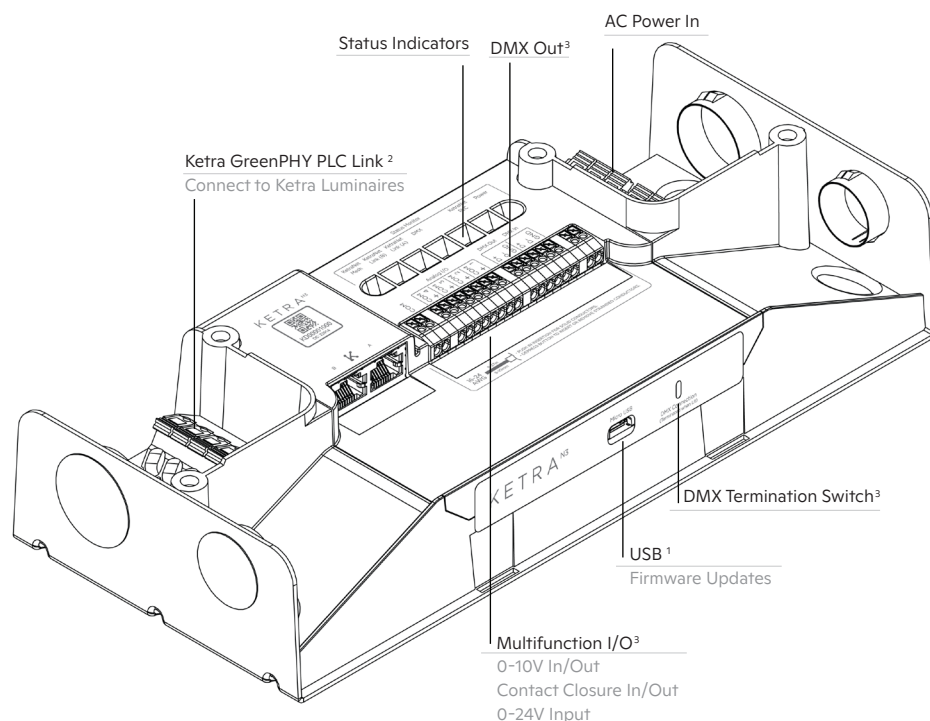
	N3LTX	16		
Product Line	Model	Region /Voltage	Installation	Finish

Order code: _____

Product Line	Code	Region / Voltage	Code
Commercial (Athena and myRoom XC compatible)	CM-	North America, 100-277 V~ 60 Hz	16
Residential (HomeWorks compatible)	HW-		
		Installation	
		Recessed Rated Housing	REC
		Plenum Rated Housing	PLE
Model		Finish	
CCX N3 Satellite Link ¹	N3LTX	White	WH
		Black	BK

¹ CCX stands for Clear Connect Type X.

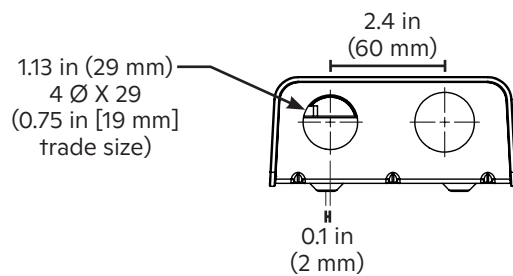
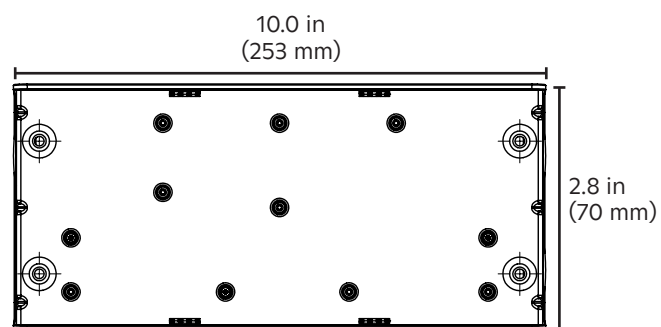
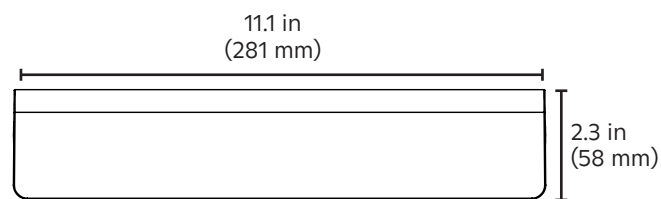
CONTROLLER DIAGRAM



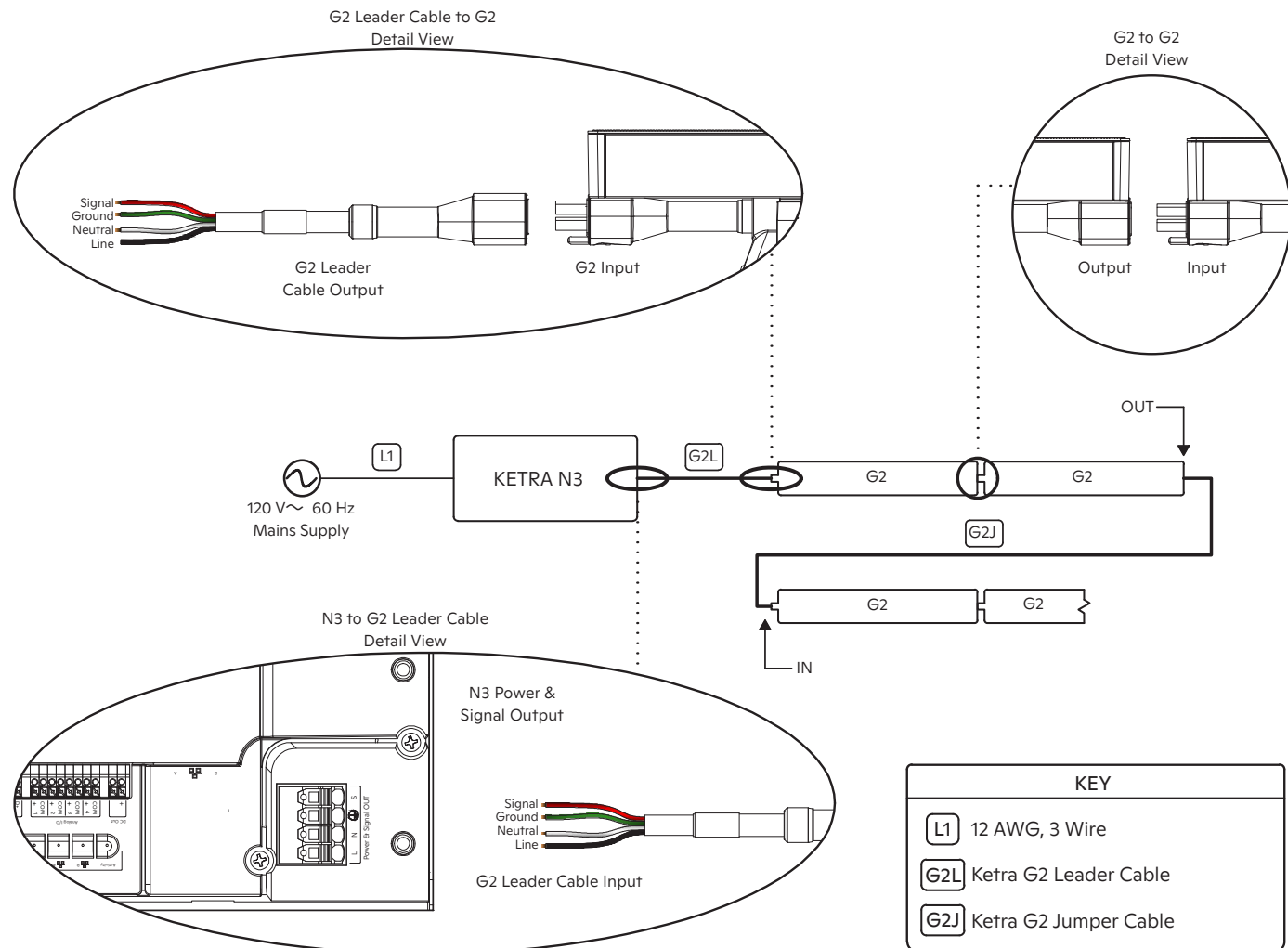
Note: Product includes on-board wireless radio for communications. Do not enclose in metallic enclosure as it may impact radio performance.

- ¹ USB port not accessible with cover installed. Allow clearance around product for access after installation.
- ² When the standard Ketra leader cable is not used the output wires should be run in metal conduit or sheathing.
- ³ Available for commercial Athena compatible products only.

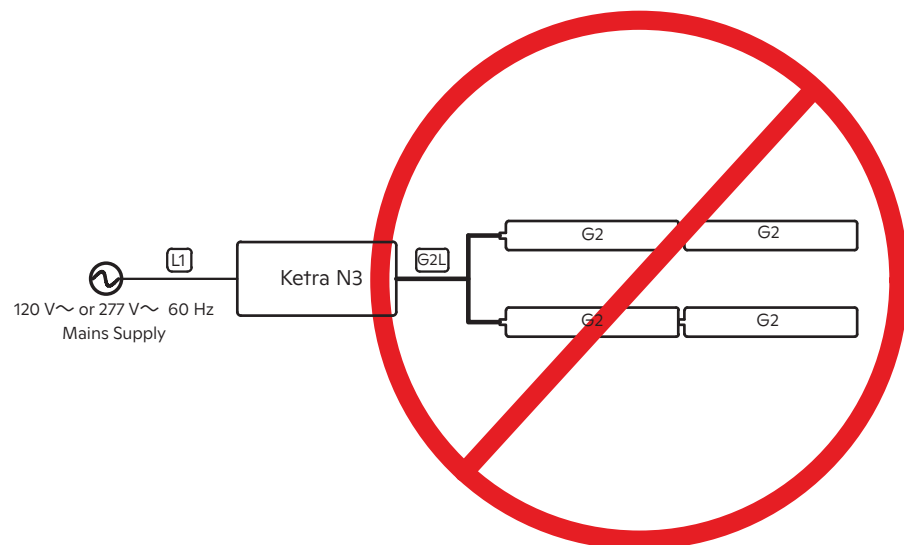
PRODUCT DIMENSIONS



WIRING DIAGRAMS



Install in accordance with all local and national electrical codes. If the Lutron provided cable is not used, wiring should be installed in a metal armored cable or metal conduit.



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