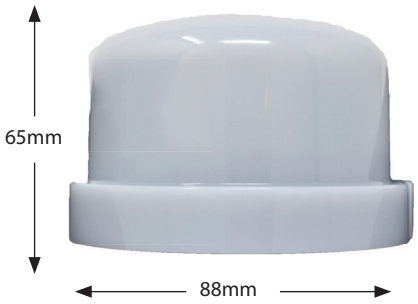
SLX-E170-7800

Cellular Networked Lighting Controller (NLC)

	SLX-E170-7800 Controller
MECHANICAL / ELECTRICAL	
Voltage	120 - 480V
Dimensions	88mm (dia) x 65mm (h)
Weight	0.26 lb (0.12kg)
Material	Polycarbonate
Temperature Rating	-40°C to + 60°C (-40°F + 140°F)
Max Load	10A*
Ingress Protection	IP66
Certification	Meets UL773, FCC, IC, PTCRB



CONTROLS / DIMMING	
Compatibility	LED, HPS, and induction, and other load types. (luminaire must be equipped with ANSI C136.41 standard receptacle)
Dimming Protocol(s)	Complies with 0-10V (IEC 60929) and DALI (IEC 62386), over the air (OTA) configurable.
Dimming Method	Power based dimming. Utilizes continuous power feedback to eliminate driver dimming curve variability, delivering expected power levels.
Dimming Ramping Process	Dimming in gradual steps every 6 seconds. (e.g. 100% to 20% = 102 seconds)
Dimming Schedule	Daily or weekly recurring schedule with the ability to schedule a special event, in 1 minute increments with 1% resolution. Over the air configurable.
Offline Storage	Maintains time, day light savings, schedule, configuration parameters, accumulated energy and lamp on-time indefinitely if power is lost.
Network Autonomous	Will sync to GPS time and continue to operate previously saved schedule if communication is lost and will automatically upload saved data to CMS when power is restored. Enough offline storge for a minimum of 10 days.
GPS	GPS accuracy figure represents ideal conditions. Accuracy will vary due to environmental factors such as buildings, natural obstructions, limited satellite visibility, or atmospheric conditions.
On/Off Trigger	Photo Sensor for local light detection, with GPS based astronomical Dawn/Dusk back up, over the air configurable.
"Dusk / Dawn" Levels	On: 2.5 foot candles (fc) Off: 3.9 foot candles (fc) Over the air configurable.
Supply Loss Messaging	On board technology for Supply Loss Messaging

ENERGY	
Power Consumption	<1W@120V
Accuracy	Load side power measurement[1]. Power measurement accuracy within 1%, by proprietary algorithm.
Measurement Interval	Over the Air (OTA) programmable from 5 minutes to 240 minute intervals. Metering includes: RMS Voltage (V), RMS Current (A), Powerfactor (pf), Energy Consumption (kWh), Instantaneous Wattage (W), Accumulated On Hours, On/Off Times.
Pulse Output	Infrared Optical Output with nominal peak wavelength: 880nm, Kh: 0.0166667, Duty cycle: 50%

COMMUNICATION	
Network Type	Communicates over LTE-M cellular network

*10A for magnetic ballasts, 6A for electronic, and rating may be reduced for certain load types and/or input voltages. Consult factory for more details. All information provided is subject to change without notice.

Liveable Cities

84 Chain Lake Drive, Halifax,
Nova Scotia, Canada, B3S 1A2

T: +1.877.533.5755
F: +1.888.533.5755

liveablecities.com
info@liveablecities.com

LRL-SUP0141-03 - SMARTLINX - E-170-7800

SMARTLINX

SOFTWARE SPECIFICATIONS

REPEAT ORDER		
YES	NO	IF YES, LAST PO #:

GRAPHICAL USER INTERFACE
Intuitive easy to use, secure, 100% web based GUI.
Displays devices in both a table and map view.
Displays different devices with individual icons.
Allows users to create and save logical groups of devices as Bookmarks.
Mobile friendly utilizing single touch design.

ASSET MANAGEMENT
Auto discovery & commisioning + GPS locations of new devices.
Stores asset information for all device types (traffic, pollution, noise, lighting).
Enables users to group devices by region (Municipal District).
Enable users to add, move and modify devices.
Flexible user customizable inventory lists utilizing a built-in query language.
Flexible user customizable data export and import.

REPORTING AND ALERTS
Flexible user configurable reports based on user defined inventory lists.
Reports can be filtered by region (Municipal District).
Displays alerts by region, user definable alert levels.
Data History of any device can be displayed in a graphical view and exported as a PDF or CSV. Data History can display different sensors at the same time. For example: Displaying traffic volume and pollution levels.
Multiple devices (traffic, pollution, and noise) can be displayed in Data History to assist with analysis.
All reports can be scheduled at recurring times utilizing the Automation Center or run on-demand by the user.

SMART CITY
Supports TALQ2 Protocol for Smart Cities.
Supports Open Smart City Protocol (OSCP).
Extensive robust API for data exchange.

ORDERING AND SETUP INFORMATION			
Controller Part #	SLX-E170		
Quantity			
Customer Name			
Project Name			
Approved By			
Date			
Comments			
Internal:			
Customer ID#			
For SmartLinx Setup *(Not Required For Repeat Orders)*			
Default Lighting Type Example: LED, HPS, Mixed, Other			
Dimming	0-10V	DALI	None
Address	Lat:		
	Long:		
SmartLinx Site Admin	Name		
	Phone		
	Email		

AUTOMATIONS AND ANALYTICS
Automation Center to allow users to define custom business logic specific to their needs.
Automation Center includes building blocks for Events, Notification Action, Ticket Actions, Analytics, Command Actions and Active Period.
Automations allows for the generation of alarms or alerts to an individual users or groups of users via email or SMS.
Automations can be filtered by Region (i.e. Municipal Districts).
Automation allows for the generation of alarms or alerts at the expiration of a timer or scheduled on a specific time and date.
Automation allows for the generation of alarms or alerts based on the analysis of incoming data.
Automation supports user generated one-time or recurring reports.
Supports heat maps analytics.

USER MANAGEMENT, ROLES & PERMISSIONS
User Management to limit users to specific Role and Group Permission.
User Roles to limit user to specific Applications and Devices.
User Permissions to limit user to Create, Update and Delete devices.
Supports Active Directory, SAML 2.0
Extensive audit trail by user, time stamp and activities.

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