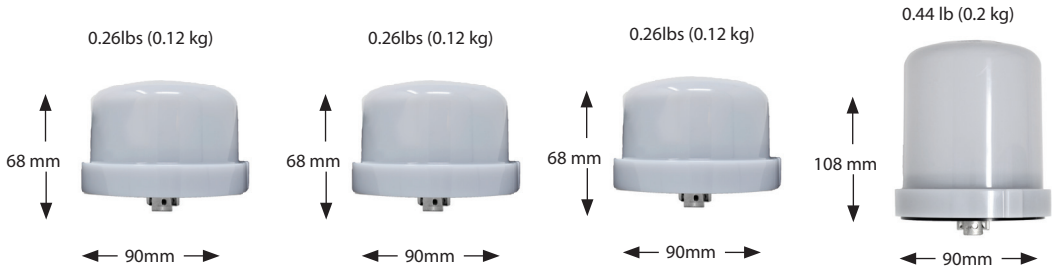
SLX-CONTROLS

CELLULAR CONTROLLER SPECIFICATIONS



	SLX-E170 LTE-M	SLX-E170 LTE	SLX-E270 LTE-M/NB-IoT	SLX-E270 LTE
		PRELIMINARY		PRELIMINARY
MECHANICAL / ELECTRICAL				
Certification/Compliance	UL773, FCC, IC, PTCRB		CE, GCF	
Network Type	LTE-M[1]	LTE[2 3]	LTE-M/NB-IoT[1]	LTE[2 3]
Voltage	120 - 480V		220 - 240V	
Power Consumption	~1W @120V		~1W @230V	
Dimensions	90mm (dia) x 68mm (h)	90mm (dia) x 108mm (h)	90mm (dia) x 68mm (h)	90mm (dia) x 108mm (h)
Weight	0.26 lb (0.12kg)	0.44 lb (0.2 kg)	0.26 lb (0.12kg)	0.44 lb (0.2 kg)
Material	Polycarbonate			
Temperature Rating	-40°C to + 60°C (-40°F + 140°F)			
Max Load	10A[4]			
Toolless Sensor Platform	No			

	SLX-B870 LTE-M	SLX-B870 LTE	SLX-B671 LTE-M/NB-IoT	SLX-B671 LTE	A670 LTE-M
		PRELIMINARY	PRELIMINARY	PRELIMINARY	
MECHANICAL / ELECTRICAL					
Certification/Compliance	UL, PTCRB, FCC IC		CE, GCF		UL, PTCRB, FCC IC
Network Type	LTE-M[1]	LTE[2 3]	LTE-M/NB-IoT[1]	LTE[2 3]	LTE-M[1]
Voltage	120 - 480V		220 - 240V		120-277V
Power Consumption	~1W @120V		~1W @230V		~1W @120V
Peak Power Available	10W				5W
Dimensions	88mm (dia) x 112mm (h)				
Weight	0.80 lb (0.40kg)				
Material	Polycarbonate				
Temperature Rating	-40°C to + 60°C (-40°F + 140°F)				
Max Load	10A[4]				
Toolless Sensor Platform	Yes				

[1]Radio: HL-7800 [2]Radio: EG800Q-EU [3]3G is not supported.

[4]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: +1.902.450.2222
F: +1.902.450.0675

liveablecities.com
info@liveablecities.com

CONTROLS / DIMMING	
Compatibility	LED, HPS, induction and other load types. (must be equipped with ANSI C136.10 or ANSI C136.41 receptacle)
Dimming Protocol(s)	Complies with 0-10V (IEC 60929) and DALI (IEC 62386), over the air (OTA) configurable. Customers using DALI 2.0 or D4i power supplies (such as Philips/Signify Xitanium Sensor Ready [SR]) with optional DALI bus power recommended to have DALI bus power disabled for minimum power consumption.
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 an event, in 1 minute increments with 1% resolution.
Offline Storage	Maintains day light savings, schedule, configuration parameters, accumulated energy and lamp on-time indefinitely if power is lost.
Network Autonomous	Will sync to GPS 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.
Supply Loss Messaging	On board technology for supply loss messaging.
GPS	Onboard GPS to support automatic discovery of controllers.
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.

ENERGY MEASUREMENT	
Accuracy	Load side power measurement. 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%

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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 #			
Quantity			
Customer Name			
Project Name			
Approved By			
Date			
Comments			
Internal:			
Network Type	LTE-M	NB-IoT	LTE
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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