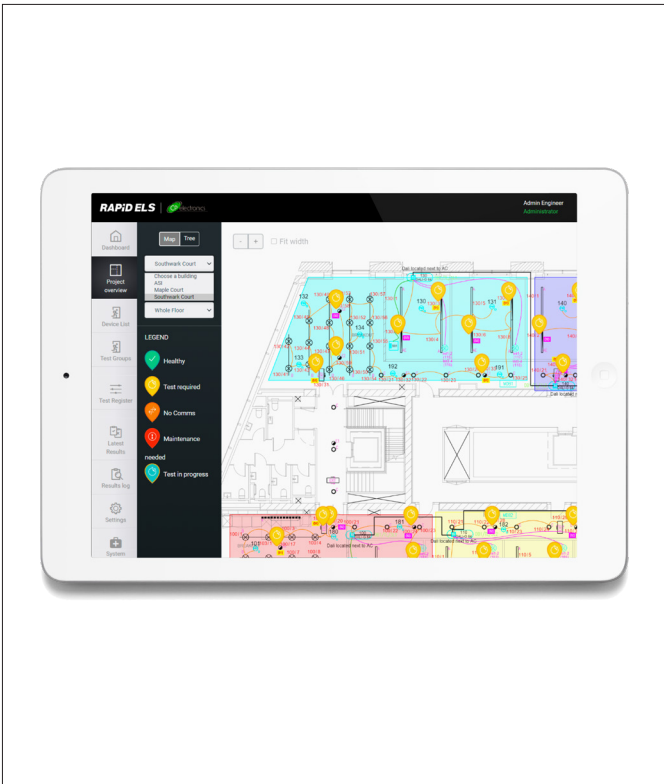


EBR-ELS | RAPID Emergency Lighting Server (ELS)



A server based management package for emergency lighting using the RAPID lighting control system.

RAPID ELS is a web server based system developed to make life easier for those managing emergency lighting in small to large buildings. A tool specifically for the management of emergency lighting, RAPID ELS offers comprehensive functionalities with an excellent user experience, either locally or remotely.

The server can test, log and track, demonstrating the functional status of all DALI compliant emergency light fittings shown on the server database. A full graphical floorplan view as well as device tree view is available.

Schedules can be set up to automatically test the emergency lights and provide the log and report of their test results to aid users in their compliance to the requirements of BS EN 50172:2004.

Reports showing any issues with emergency lights can be generated and filtered to make the workflow easier for the engineers performing the remedial works.

Being a server system, all system diagnostics and test results data are available to multiple users at the same time using a login page via a web browser. The viewing device, such as a desktop, laptop or a mobile tablet, can be chosen by the user as long as it has the necessary network access.

The RAPID ELS system implements standard protocols of a web server, meaning it's friendly to IT professionals in the setup of secure access whether that be local or remote. This standard structure allows users to easily extend their secure connections to as far as they wish, from a different location of the country or even beyond by using the internet.

The unit will normally be provided as a complete set that is configured to the specific site by the CP Electronics engineering team.

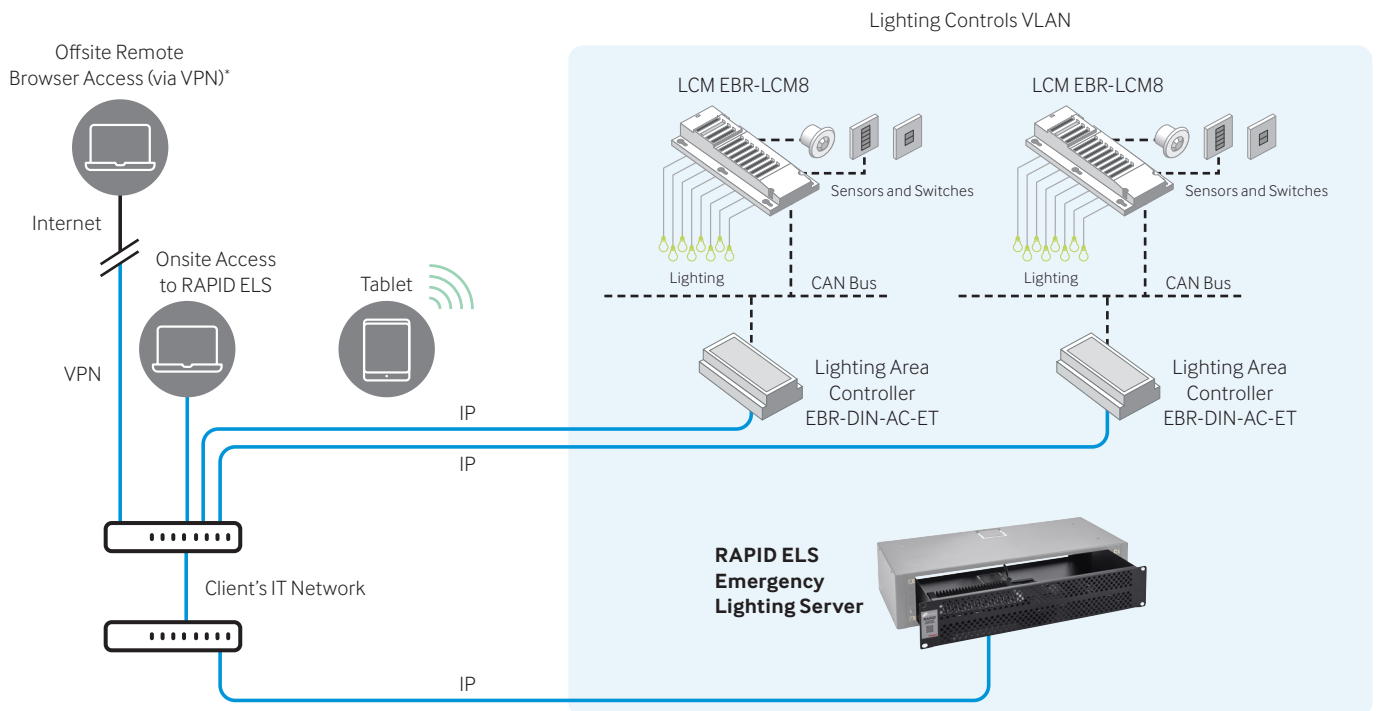
Its rugged design can run autonomously 24/7 in an electrical cupboard or in a server rack in the customer's IT room.

The system is an alternative to the general purpose EBR-CFE front end system and they should not be used together at the same time.

Key Benefits:

- Aid to client's compliance to BS EN 50172 emergency lighting standard
 - Eliminate labour intensive testing processes whilst ensuring BS EN 50172 compliance.
- Automatic testing saves time and resource
 - RAPID ELS provides easy setup of testing regimes through a graphical calendar and test programmes can be named by the user for quick recognition.
- Be mobile where needed
 - RAPID ELS is web browser based giving the flexibility to manage emergency lighting from anywhere*.
- Multi-user remote team
 - RAPID ELS offers a multi-user access platform so members can combine their efforts to solve an issue or organise to share their work from any networked point*.
- Rugged server addition
 - A rugged solution complementing the rugged design of the RAPID lighting control system.
- 3 year warranty

Network Connection Example



*Requires user's data network and secured remote access facilities.

Compatible Product and Versions

Device type	Part number	Version or build	Comments
End Device Nodes	DALI Emergency Lights only	Must comply with IEC 62386-202 as set by the DALI Alliance	Single short address type 1
Lighting Control Modules (LCMs)	EBR-LCM8-8DD	SB 3.00	DALI versions only Devices with no DALI feedback function are not supported
	EBR-LCM10-10DD	SB 3.00	
	EBR-LCM12-12DD	SB 3.00	
	EBR-LCM-DALIG64-B	SB 4.00	
	EBR-DIN-DALIG64	SB 4.00	
Area Controller	EBR-DIN-AC-ET only	SB 2.05	Ethernet connection required to all EBR-AC-ET devices. Bus repeater or CAN Bus only area controllers can NOT be used.

Functionalities

General	Floorplan view and device tree view
	Multiple building campus structure
	Dashboard diagnostic summary for each building
	Online status summary for zone controllers
	Simultaneous user operation
	Viewer, Maintainer and Admin user assigned levels of security
	Floorplan graphics diagnostics as well as device tree view
	Intuitive pan and zoom operation and mouse over messages
Operations	Schedule emergency lighting tests in calendar
	Function and duration tests to user's specified duration period
	On-demand immediate testing
	Device blink identify
	Full history of results log of all tests and to be recalled
	Print to PDF or export to spreadsheet of device status from test results
	Multiple filter capability by location or date or device status to select devices of interest
Security	Username and password security login
	HTTPS encrypted messaging
	Password protected system backup files
Management	User creation, amend and deletion
	Secure Access Zones to assign access of each user to specific set of chosen zones (for example for specific tenants for their areas)
	All zones and buildings can be renamed by the user with admin rights
	Date and time adjustments
	System backup and restore

Installation

The server is provided with 19" rack tray mount or surface mount install options.

19" IT Rack Mount EBR-ELS

A 19" pull out tray construction offers easy install to standard rack with front loading and bolt fixings.



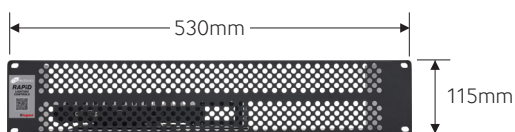
Surface Mount EBR-ELS-SM

Wall hang eyelet holes at the back. Suitable for vertical mount.

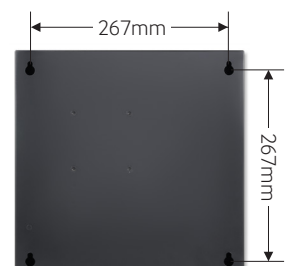
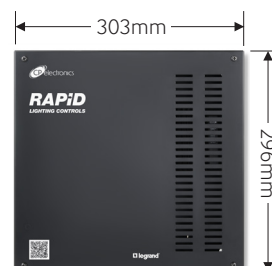


Mounting and Install Dimensions

2U 19" rack tray depth 190mm




303 x 296 x 88mm



Technical Data

The RAPID ELS processor operates on an industrial grade autonomous processor providing a reliable and long-lasting service.

Electrical	Input voltage	100- 240V AC +/- 10%
	Input frequency	50/60 Hz
	Circuit protection	≤10A MCB type B
	Power consumption	≤65W
	Power connection	UK 3 pin plug on 0.5m lead or IEC C5 socket
Functional	User memory	128GB solid state drive (SSD)
	Ports	Gigabit Ethernet x 1 HD graphics display port x 1 USB 3 ports x 3
Environment	Operating temperature	10 to 40 °C
	Storage temperature	-10 to 60 °C
	Humidity	20% to 80% non-condensing
Mechanical	Colour	Black
	Material	Processor – Metal heatsink construction Mounting enclosure – Steel
	Dimensions	Rack mount kit: 2U height 19" rack standard 530 x 115 x 190mm (W x H x D) Surface mount kit: 303 x 296 x 88 mm (W x H x D)
	Weight	3.0kg with rack mount kit 4.0kg with surface mount kit
Compliance		

Due to the fast changing nature of IT technology, the specifications of the actual delivered product are subject to change without notice but will be similar or of a higher specification.

Network Environment Specifications	Network	Ethernet up to 1 Gigabit (RJ45 connection)	
	Protocols and Ports used	TCP	443, 30307
		UDP	30304
		SSH	22
	Messaging Protocol	Secure HTTPS over TLS v1.3	

Example Suitable Viewer Web Browsers

Desktop or Laptop	Microsoft Windows 10 platform browsers: Microsoft Edge, Google Chrome, Firefox
	Apple Mac Safari browser
Mobile Device	Apple iPhone or iPad running iOS 10 Safari browser
	Android phone or tablet running Android version 10 Chrome, Firefox, Microsoft Edge
Recommended Screen Resolution	1920 x 1080 pixels



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