PHILIPS
dynalite

Emergency controls

Emergency lighting control solutions

A simple, scalable architecture for monitoring and managing DALI emergency lighting installations

Emergency lighting management

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> “Philips Dynalite offers a simple, scalable network architecture designed to provide a complete DALI emergency lighting control solution for a wide variety of building areas.”

Intelligent lighting control that promotes occupant safety

Lighting control is an essential requirement for effective emergency lighting installations.

Through regular testing, and a range of monitoring and maintenance tools, the Philips Dynalite control solution ensures that emergency lights function correctly around the clock so that occupants can evacuate safely in an emergency.

The Dynalite System is:

Innovative:
Our system is advanced and original. We are industry leaders.

Scalable:
Suitable for projects of any size, including multi-campus sites.

Human-centric:
Easy to install, maintain, and use. Our system benefits are felt by all.

Reliable:
Backed by global lighting leader, Signify, we deliver consistent results that you can trust.

Sustainable:
Built to meet the needs of people and the planet for generations to come.

Australian-made:
Designed and manufactured under one roof by our passionate team in Sydney.

Key application areas

Scalable emergency system controls for all building environments

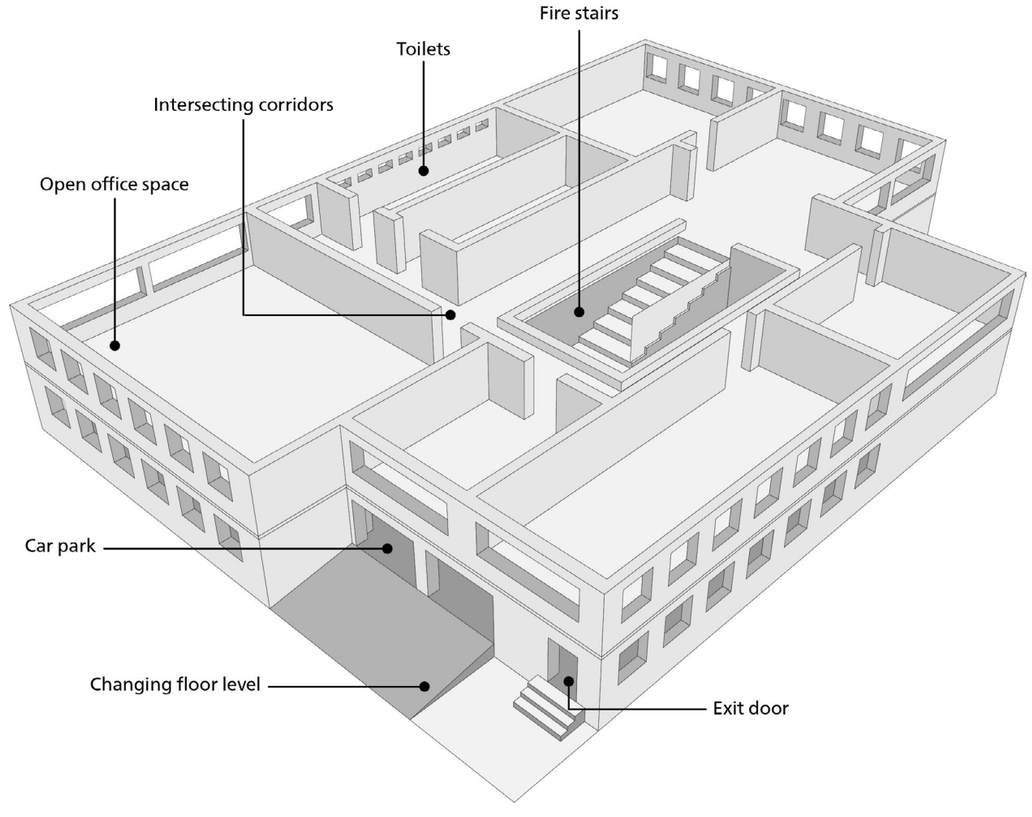
The Philips Dynalite system is a flexible and scalable control platform that connects a range of intelligent network devices to create a complete control solution.

Operational and system status information is passed to all devices over an RS-485 or Ethernet network using the DyNet protocol.

DyNet can link multiple DALI networks together seamlessly to reach the required scale of any project. The system is application agnostic and has been proven in over 35,000 projects around the world, including a variety of retail, hospitality, office, industry, and public building projects.

The control system’s compatibility with DALI emergency exit fittings and DALI emergency luminaires enables effective monitoring, maintenance, and management of any emergency lighting system.

Automated testing of all connected emergency and non-emergency fittings can be scheduled using Philips Dynalite’s head-end software, System Manager.



Control system features

System Manager provides a suite of features that ensures the optimum health of any emergency lighting system.

System monitoring and reporting

View system health, energy usage, scheduled events, and recent alerts on the dashboard. Users can also generate reports and/or check historical results for a specific timeframe. These reports can be customized to suit specific needs.

Real-time status alarms and alerts

Get notified via email when lamps and drivers fail or are close to end-of-life. Maximise uptime in mission-critical areas by scheduling proactive maintenance.

Schedule emergency tests

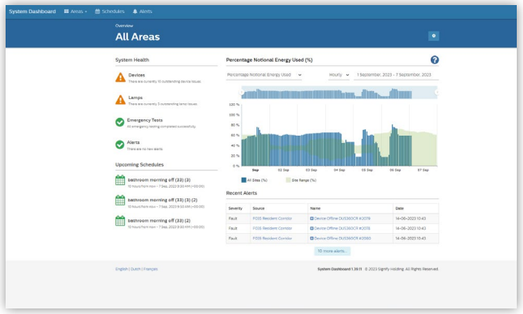
Each of the standard emergency lighting tests are required by law to be carried out at different intervals. Simplify this process and conduct all tests in a timely manner through System Manager's automatic testing feature.

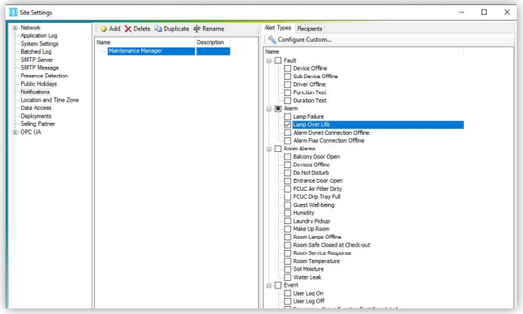
Simple reconfiguration

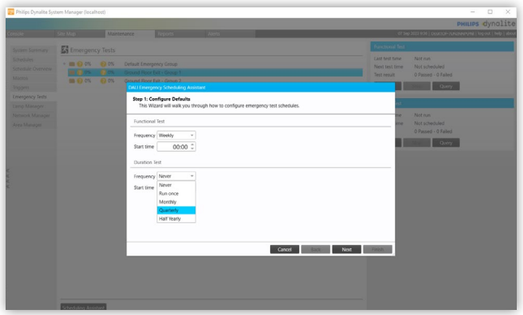
When multiple DALI drivers need to be replaced at once, System Manager's replacement wizard tool will identify the drivers and configure the load controllers, ensuring a seamless transition.

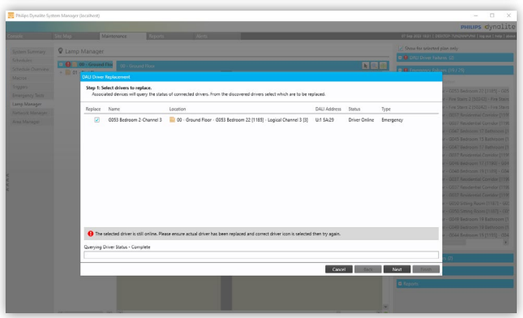
End-of-life notification

System Manager tracks actual lamp usage so that as a lamp approaches its end of life, the software can send a notification to facility managers, informing them of which fixture requires replacing.

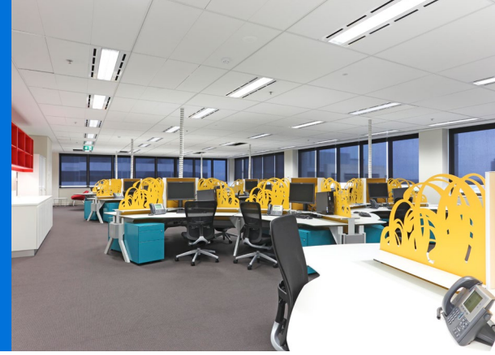








Emergency installation tests



Scheduled system health checks ensure regulatory compliance. The system can run the following checks:

Functional test

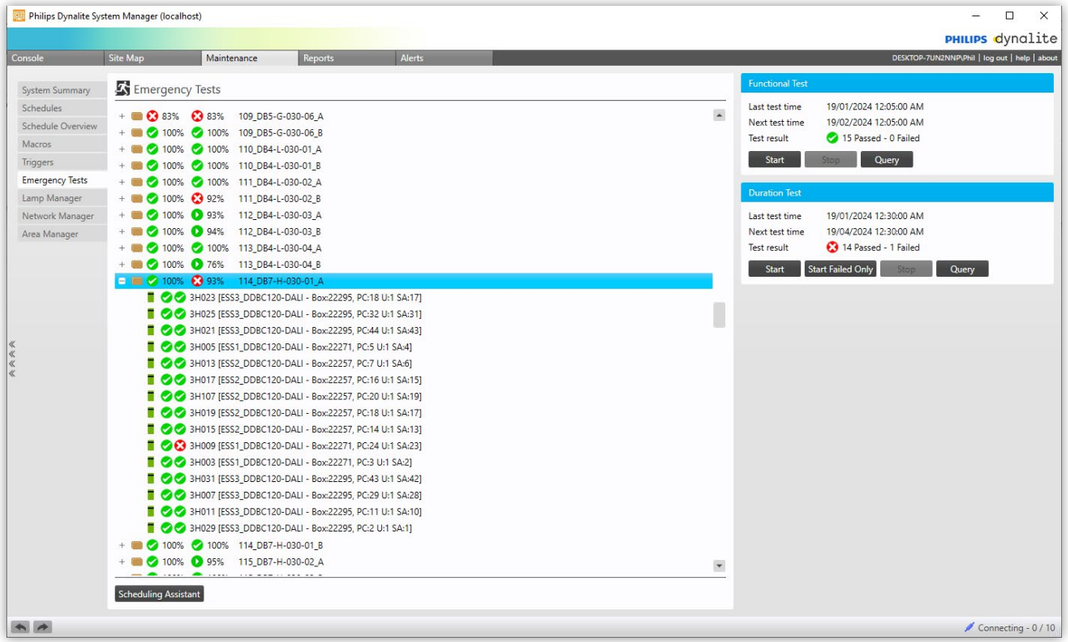
A functional test confirms the integrity of the emergency circuit and the correct operation of a lamp, changeover device, and battery emergency power supply. This test simulates a power failure to see whether the driver correctly switches to battery power. The test is passed if the emergency fixture illuminates. It is recommended to run this test at least once per month.

Duration test

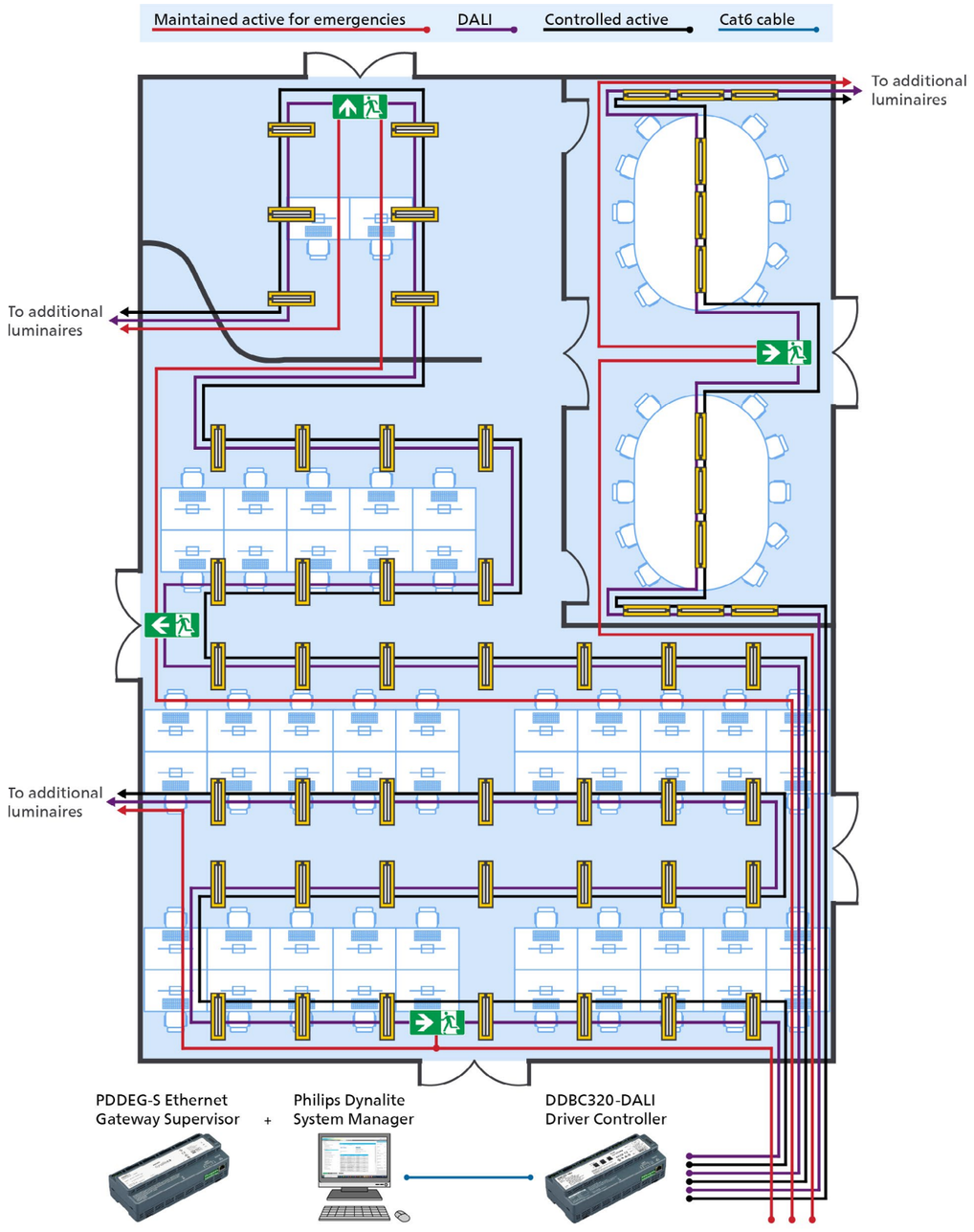
The duration test verifies whether the battery has sufficient capacity to illuminate the emergency fixtures for the rated duration. Generally run for a minimum of 90-minutes, as regulated by the local authority, this test ensures the emergency lighting remains on long enough for people to safely exit the building. This test must be executed as part of the commissioning process, and then repeated at least once per year.

DALI lamp test

DALI's two-way communication enables System Manager to poll all DALI luminaires, including emergency fixtures, to see whether the luminaire is currently working. This test can identify premature lamp failures that do not fit within System Manager's predictive lamp failure feature. This test is usually conducted daily, after business hours.



Typical system architecture



Works perfectly with Pierlite

DALI emergency luminaires

The Dynalite system is compatible with a wide variety of DALI emergency luminaire brands, including Pierlite, another brand within Signify's portfolio.

Pierlite offers an extensive range of DALI-2 emergency and non-emergency luminaires. Continuity of design ensures that the emergency fittings blend in seamlessly with the remaining installation to achieve the building's desired aesthetic.

Highlights from the Pierlite range include:

DALI Emergency Exit Signs

- Weatherlux DALI-2 Exit Light
- Blade DALI-2 Exit Light
- Stingray DALI-2 Exit Light

DALI Emergency Lights

- Pathfinder DALI-2 Emergency Light
- Guardian DALI-2 Emergency Floodlight

DALI Emergency Linear Luminaires

- BWP Pro DALI-2 Emergency Weatherproof Batten
- SDW DALI-2 Emergency Weatherproof Batten
- Vandalux DALI-2 Emergency Weatherproof Batten

DALI Emergency Post Top/ Bulkheads

- Nexus DALI-2 Emergency Bulkhead Gen2
- Mine Master DALI-2 Emergency Post Top Gen2
- Alien DALI-2 Emergency Post Top Gen2

Two leading brands within Signify's portfolio, working in harmony to deliver a complete solution:

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PIERLITE®

www.dynalite.com