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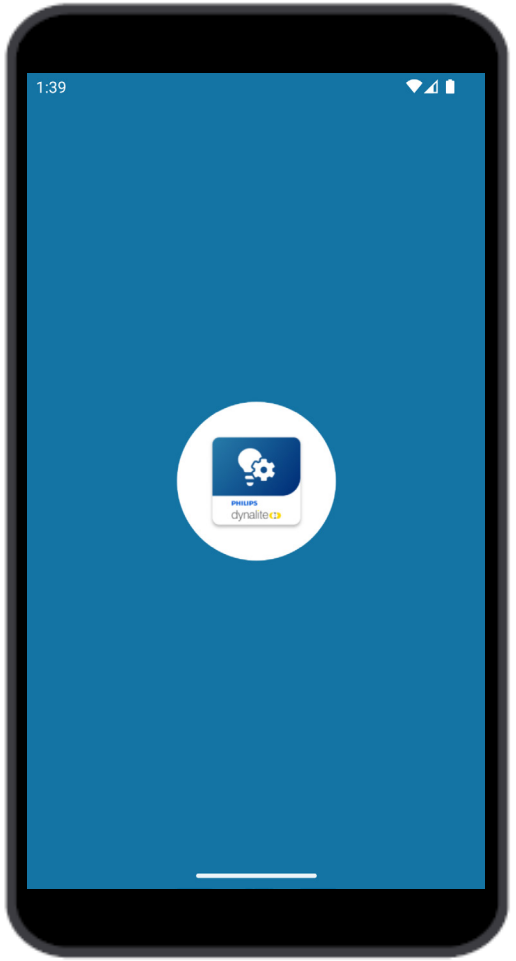
Software & services offer

Architecture FLX - Multisite

Lesson review | System architecture

In this lesson, you will learn:

- What is a store Format.
- Which hardware component is required for enabling a secure cloud connection
- What licenses are required from a software and service perspective.
- DALI compatibility options.



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Convenience

Smaller local stores & express formats

Supermarket

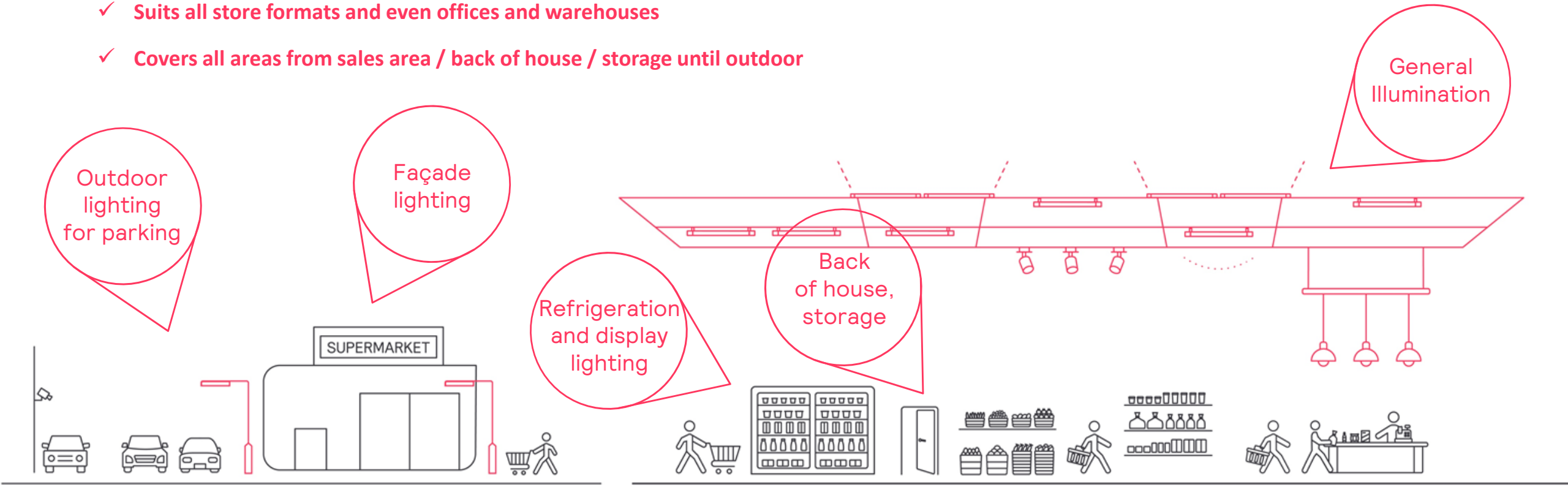
Larger supermarkets & DIY retails

Hypermarket

Very large out of town & department stores

With Multisite you can manage lighting across your estate

- ✓ **Suits all store formats and even offices and warehouses**
- ✓ **Covers all areas from sales area / back of house / storage until outdoor**



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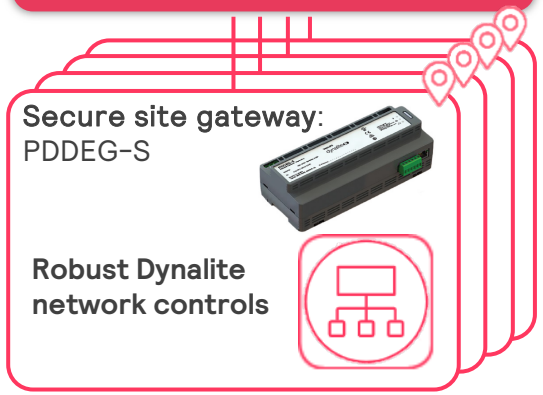
Multisite software services



- ✓ Scene control with dimming & zoning with addressable DALI support
- ✓ Support for switched lighting, plus optional phase, PWM, DMX & 0-10V dimming
- ✓ Daylight & occupancy sensing to dynamically adjust lighting to local conditions
- ✓ Local manual override, plus integrations with alarm systems
- ✓ Site gateway for secure cloud connection

For all store formats

Multisite standard
software service & support

Software features

Single unified dashboard for your estate:

- ✓ Remote scene & schedule management – easily update all your stores in bulk
- ✓ Zoom in to view individual stores: current status & pending deployments
- ✓ Secure user authentication, profile-based management and multi language support
- ✓ Energy dashboard shows the performance of all your stores

Coming Soon:

- DALI emergency lighting tests
- Device & luminaire health statues & alerts

Remote services and support

Remote monitoring package:

- ✓ Helpdesk and service ticketing
- ✓ Regular software and firmware updates via cloud
- ✓ Remote uptime monitoring of all your sites
- ✓ Quarterly performance report, including Energy reporting and historical compliance with centrally deployed scenes and schedules
- ✓ Access to your customer portal for all documentation

SW913705110003	SW913705110001	SRV3371 / SRV3372
Site enablement license	Recurring SW license per site/year	Recurring service per site/year

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For all store formats

Connectivity service

Where fixed line connectivity is not possible, we can offer powerful wireless connectivity from the day of commissioning

- ✓ 1GB / month data
- ✓ Broad EU coverage: 30 countries
- ✓ Delivered in partnership with Vodafone
- ✓ Includes a secure 4G IoT router
- ✓ Managed SIM card / data bundle

913701058503
hardware 4G-router

SW913705110004
Recurring service per site/year

For all store formats

Remote operations service

Maintain the high performance of your connected system over th full lifetime through our comprehensive remote service package

- ✓ We adjust your light upon your needs
- ✓ Light levels & schedules bulk updates of all your stores of one format in one go
- ✓ Remote system optimization
- ✓ Remote post install site tuning service
- ✓ Remote emergency lighting testing service

Coming soon:

- Remote commissioning of replaced defects
- Remote diagnostics and fault finding (on customer request)

SRV2374 / SRV2375
Recurring service per site/year

Multisite

Controls BoM examples for all your formats

Designed to suit all your store formats

Convenience

Smaller local stores and express formats

Typically:
- **80–450 m², or**
- **50–150 light points**

≤ 500 m²
≤ 200 LPs

Supermarket

Larger supermarkets, fashion and DIY retails

Typically:
- **500–3,000 m², or**
- **200–1,000 light points**

3,000 m²
1,000 LPs

Hypermarket

Very large out of town and department stores

Typically:
- **3,000–10,000+ m², or**
- **1,000–5,000+ light points**

10,000 m²
5,000 LPs

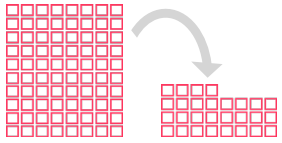
Multisite standard

addressable

Controls (example)
Site gateway: 1x **PDDEGS**
DALI control: 3x DDBC120-DALI
➔ 1x DDBC320-DALI
Relay control: 1x DDRC420

Controls (example)
Site gateway: 1x **PDDEGS**
DALI control:16x DDBC120-DALI
➔ 6x DDBC320-DALI
Relay control: 1x DDRC1220
Dry contact input: 1x DDMIDC8
Multi-sensor: 3x DUS360CR

Controls (example)
Site gateway: 1x **PDDEGS**
DALI control:80x DDBC120DALI
➔ 28x DDBC320-DALI
Relay control: 3x DDRC1220
Dry contact input: 1x DDMIDC8
Multi-sensor: 15x DUS360CR



Reference: Store flex

broadcast

Controls
Site gateway: 1x PDEG
DALI control: 1x DDBC1200
Relay control: 1x DDRC420

Controls
Site gateway: 1x PDEG
DALI control: 1x DDBC1200
Relay control: 1x DDRC1220
Dry contact input: 1x DDMIDC8
Multi-sensor: 3x DUS360CR

Controls
Site gateway: 1x PDEG
DALI control: 25x DDBC1200
Relay control: 3x DDRC1220
Dry contact input: 1x DDMIDC8
Multi-sensor: 15x DUS360CR

Multisite | connected

Control infrastructure options:

	broadcast	addressable
	DALI broadcast & relay e.g. DDBC1200, DDRC1220	DALI addressable e.g. DDBC120-DALI, DDBC320-DALI
Scene & Schedule management		
❑ Scenes	☑	☑
❑ Schedules	☑	☑
❑ Flexible zoning (independent of wiring), Store Refresh	☒	☑
Energy monitoring		
❑ Notional	☑	☑ Verified over lifetime
❑ Smart meters	☑	☑
❑ Metered DALI	☒	☑
Lighting management		
❑ Store online / uptime monitoring	☑	☑
❑ System health (controller / sensors)	☑	☑
❑ LightPoint status (failure / burning hours)	☒	☑
❑ Preventive maintenance	☑ Only notional	☑

With minimum additional cost you can use all benefits of Multisite

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“Roll out” scenario:

For new sites & deep renovations

Offer should comprise:

- ✓ Multisite software services
- ✓ Philips Dynalite Controls: addressable DALI + PDDEG-S
- ✓ Philips LED lighting

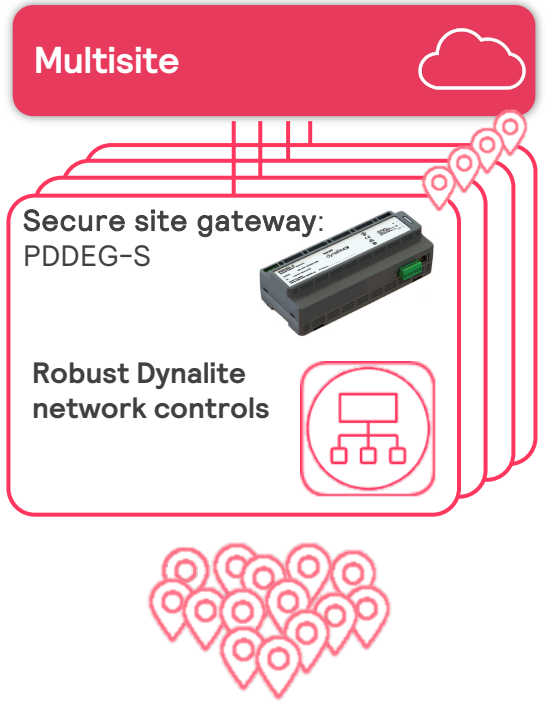
- ✓ Project management
- ✓ Lighting design
- ✓ Controls design
- ✓ Commissioning

addressable

“Upgrade” scenario:

Upgrading of existing sites from IAR store (flex or kit) or StoreWise
⇨ to Multisite

Offer should comprise (minimum): only upgrade to remote connected:	or additionally upgrade to addressable:
✓ Multisite SW service	
✓ Replace PDEG by PDDEG-S (keep broadcast controller)	+ replace DDBC1200 by DDBC120-DALI / 320-DALI
✓ Add wall switch / Antumbra	
✓ Controls design review	+ Controls design
✓ Commissioning	+ Commissioning
broadcast	addressable



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Lighting management

Remote emergency lighting testing service

Store safety is key, and regular health checks of emergency lighting is mandatory. Save precious time by triggering emergency light tests remotely via our system experts.

- ✓ Trigger functional test and duration tests
- ✓ Query emergency test results
- ✓ Historical test results
- ✓ Get confirmation that your emergency lighting operates correctly on battery

Execution excellence

Remote post install tuning service

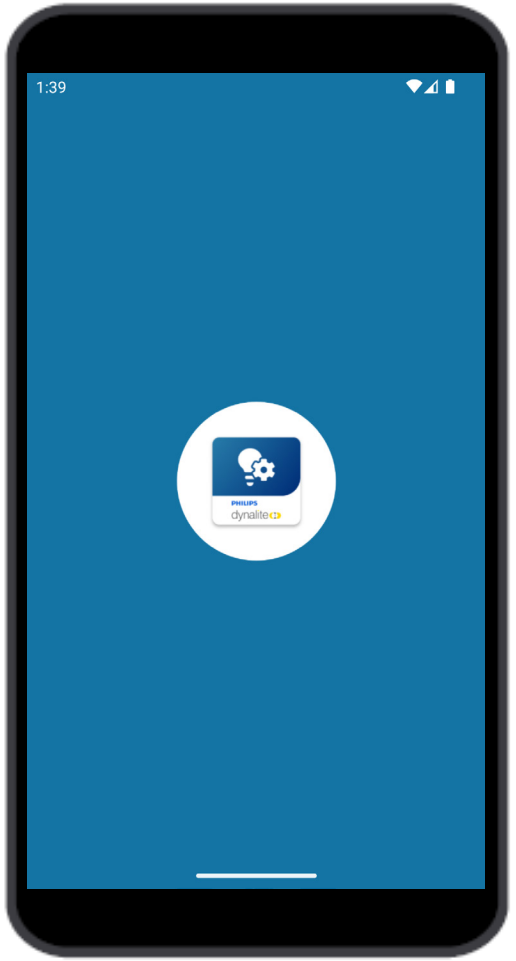
Remote expert support to facilitate post install fine tuning and configuration adjustments

- ✓ Supports fast and more reliable project execution
- ✓ Robust commissioning process to safeguard delivery on time
- ✓ No need for additional onsite visits after project handover

Lesson review | System architecture

In this lesson, you learnt:

- A PDDEG-S is mandatory for a secure cloud connection.
- Software and services are independent of store formats.
- There are three software and service licenses which are required for any Multisite store
  - Site enablement license
  - Recurring license per site and year
  - Recurring service per site and per year.
- Multisite supports both DALI broadcast and DALI addressable.



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