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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

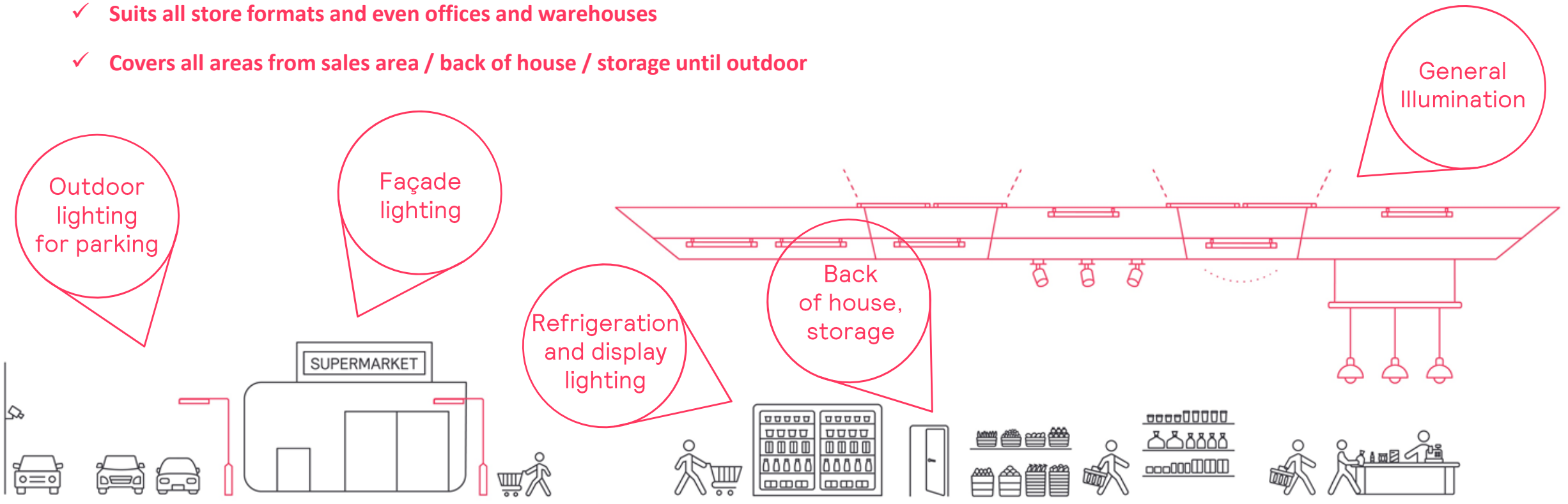


Hypermarket

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





Convenience
Smaller local stores & express formats



Supermarket
Larger supermarkets & DIY retails



Hypermarket
Very large out of town & department stores

For all store formats

Multisite software services

Secure site gateway: PDDEG-S

Robust Dynalite network controls

- ✓ 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

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 (notional + metered)
- ✓ DALI emergency lighting tests

Coming Soon:

- 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

SW913705110001

Recurring SW license per site/year

SW913705110005

Optional Emergency add-on license per site/year

SW913705110006

Value package – 7 year license



Lighting management

4G mobile connectivity service (optional)

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

- ✓ Hassel free installation and commissioning
- ✓ Includes a secure 4G IoT router delivered in partnership with Vodafone
- ✓ Managed data bundle
- ✓ Broad coverage: 3 different preconfigured 4G routers depending on country of project

913701058503

LCN5320/00 INDOOR 4G ROUTER eSIM EU/META

- | | | |
|------------------|---------------|------------------|
| • Austria | • Germany | • Norway |
| • Belgium | • Greece | • Poland |
| • Bulgaria | • Hungary | • Portugal |
| • Croatia | • Ireland | • Romania |
| • Cyprus | • Italy | • Slovakia |
| • Czech Republic | • Latvia | • Slovenia |
| • Denmark | • Lithuania | • Spain |
| • Estonia | • Luxembourg | • Sweden |
| • Finland | • Malta | • Switzerland |
| • France | • Netherlands | • United Kingdom |

SW913705110004

Multisite connectivity EU/US - license

913701058603

LCN5323/00 12V DC PSU INDOOR 4G ROUTER



913701058613

LCN5321/00 INDOOR 4G ROUTER eSIM US/CAN

- United States and Canada
- Bolivia
- Mexico
- Peru

913701058703

LCN5322/00 INDOOR 4G ROUTER eSIM AUS/NZL

- Australia and New Zealand
- Chile
- Colombia
- Ecuador
- Japan

Designed to suit all your store formats



Convenience
Smaller local stores and express formats

Typically:

- 80-450 m², or
- 50-150 light points

450 m²
150 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:


- 5,000-15,000 m², or
- 2000-5000 light points

15,000 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: Interct 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:

Scene & Schedule management



- ☐ Scenes
- ☐ Schedules
- ☐ Flexible zoning over time (independent of wiring)

Energy monitoring



- ☐ Notional
- ☐ Smart meters
- ☐ Metered DALI

Lighting management



- ☐ Store online / uptime monitoring
- ☐ Remote emergency light testing
- ☐ System health (controller / sensors)
- ☐ LightPoint status (failures & burning hours)
- ☐ Preventive maintenance

broadcast

DALI broadcast & relay
e.g. DDBC1200, DDRC1220

- ☒
- ☒
- ☐

- ☒
- ☒
- ☐

- ☒
- ☐
- ☒
- ☐
- ☐
- ☒

Only notional

addressable

DALI addressable
e.g. DDBC120-DALI, DDBC320-DALI

- ☒
- ☒
- ☒

- ☒
- ☒
- ☒

- ☒
- ☒
- ☒
- ☒
- ☒
- ☒

Verified over lifetime

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 Store flex or Sotre kit (previously known as StoreWise) ⇒ to Multisite



Offer should comprise (minimum):
only upgrade to remote connected:

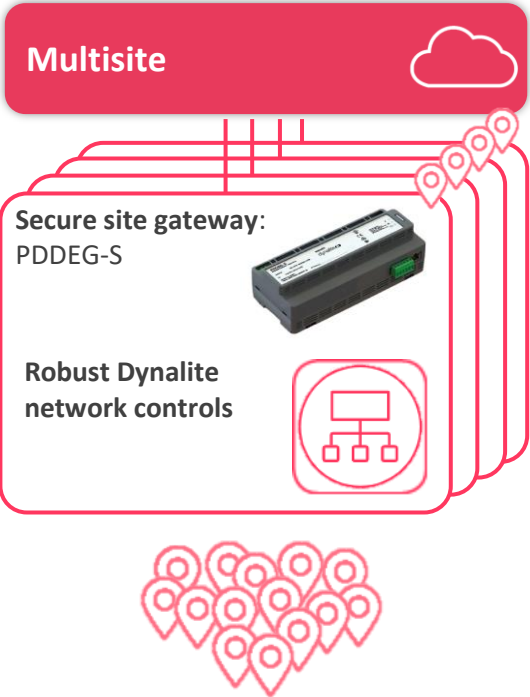
- ✓ Multisite SW service
- ✓ Replace PDEG by PDDEG-S (keep broadcast controller)
- ✓ Add wall switch / Antumbra
- ✓ Controls design review
- ✓ Commissioning

broadcast

It's possible to additionally
upgrade to addressable:

- + replace DDBC1200 by DDBC120-DALI / 320-DALI
- + Controls design
- + Commissioning

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

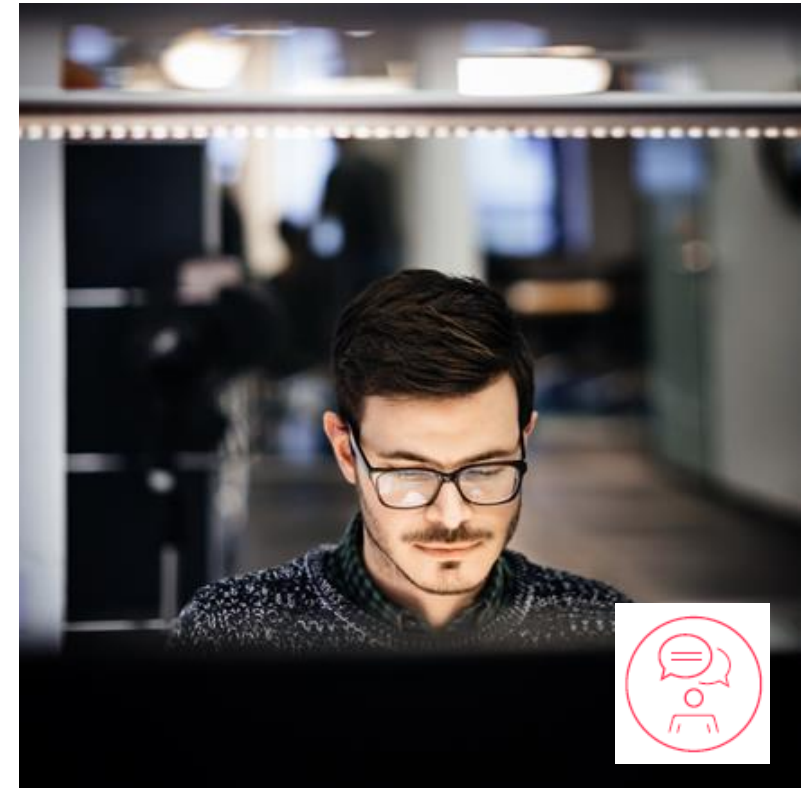


Execution excellence

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

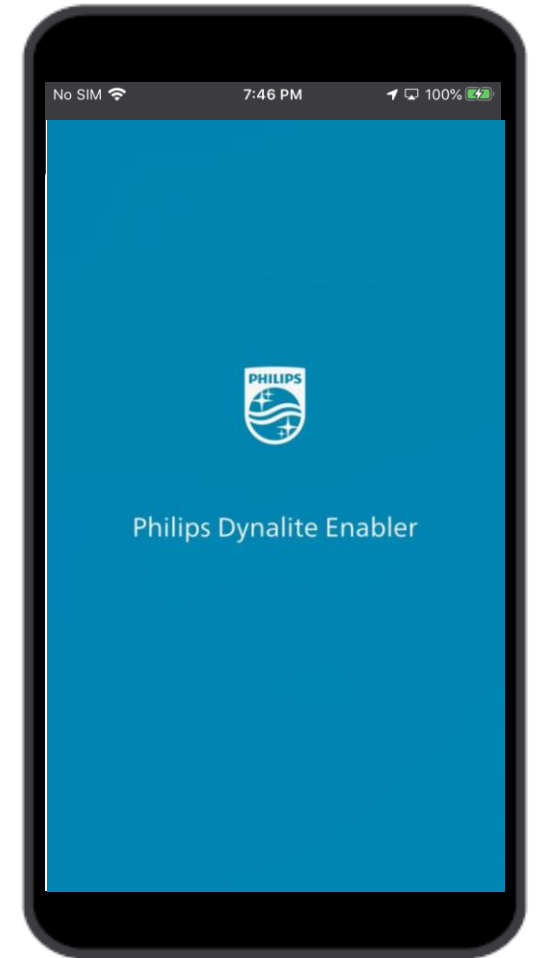


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Lesson review | System architecture

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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