

# interact

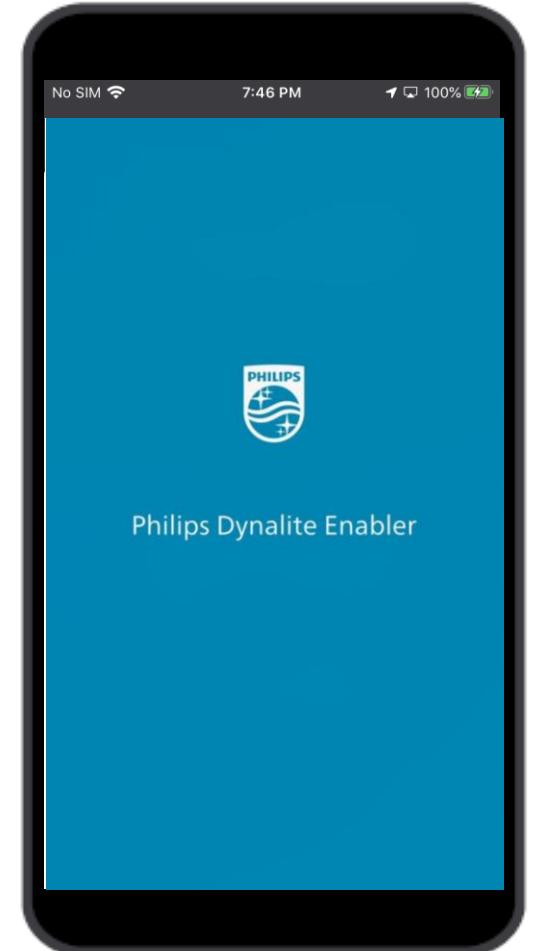
## Software & services offer

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.





## Convenience

Smaller local stores & express formats



## Supermarket

Larger supermarkets & DIY retails

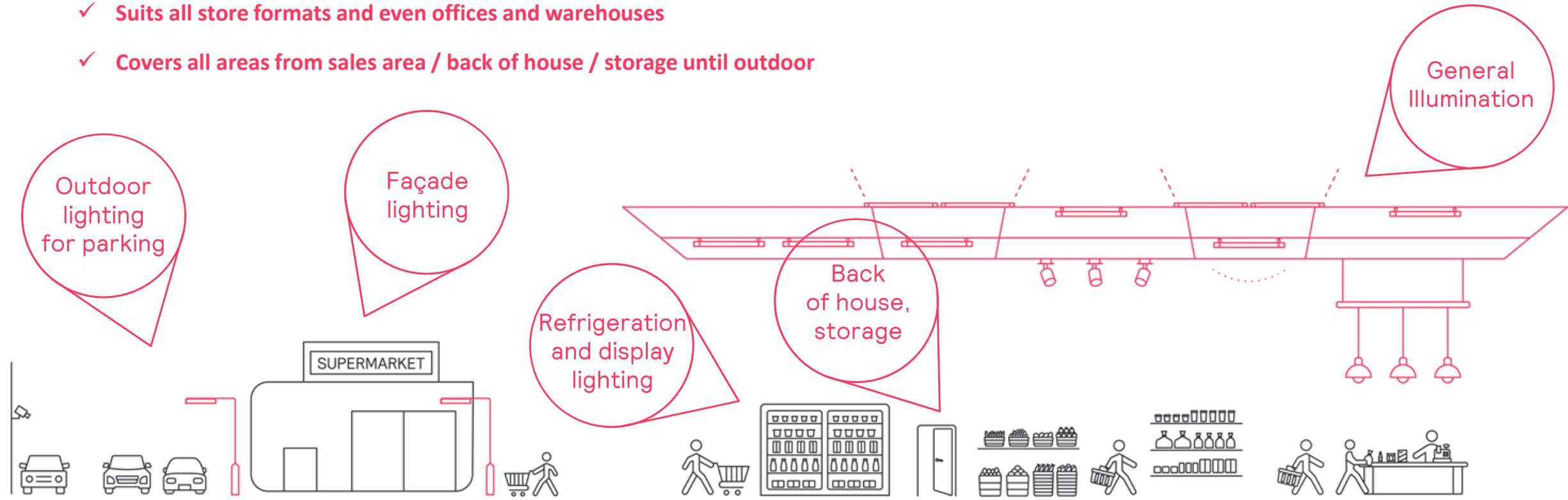


## Hypermarket

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

**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

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 (notional + metered)
- ✓ DALI emergency lighting tests

Coming Soon:

- Device & luminaire health statuses & alerts

**SW913705110001**  
Recurring SW license per site/year

**SW913705110005**  
Optional Emergency add-on license per site/year

**SW913705110006**  
Value package – 7 year license

**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



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

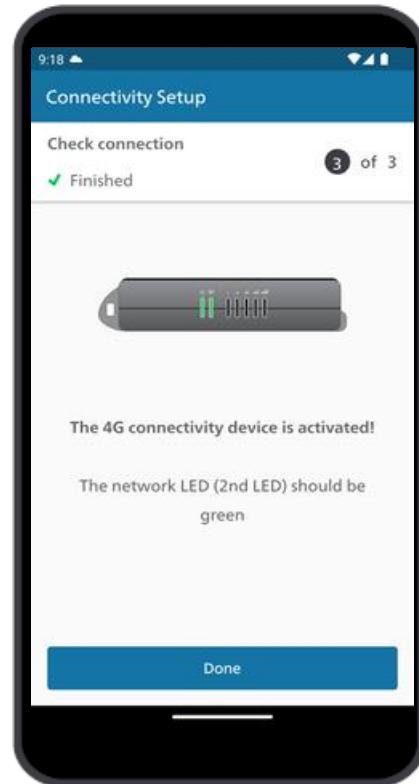
- Austria
- Belgium
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Latvia
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Norway
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland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

Interact

### Designed to suit all your store formats



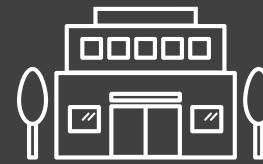
#### Convenience

Smaller local stores and express formats

Typically:  

- 80-450 m<sup>2</sup>, or
- 50-150 light points

**450 m<sup>2</sup>**  
**150 LPs**



#### Supermarket

Larger supermarkets, fashion and DIY retails

Typically:  

- 500-3,000 m<sup>2</sup>, or
- 200-1,000 light points

**3,000 m<sup>2</sup>**  
**1,000 LPs**



#### Hypermarket

Very large out of town and department stores

Typically:  

- 5,000-15,000 m<sup>2</sup>, or
- 2000-5000 light points

**15,000 m<sup>2</sup>**  
**5,000 LPs**

### Multisite standard

#### Controls (example)

Site gateway: 1x **PDDEGS**  
 DALI control: 3x DDBC120-DALI → 1x DDBC320-DALI  
 Relay control: 1x DDRC420



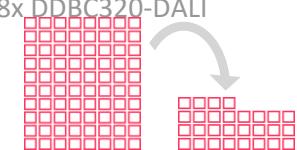
#### Controls (example)

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 DDBC120-DALI → 28x DDBC320-DALI  
 Relay control: 3x DDRC1220  
 Dry contact input: 1x DDMIDC8  
 Multi-sensor: 15x DUS360CR



### Reference: Interct store flex

#### 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	
	<u>Scene &amp; Schedule management</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Scenes				
	Schedules				
	Flexible zoning over time (independent of wiring)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>Energy monitoring</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Notional				
	Smart meters				
	Metered DALI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>Lighting management</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Store online / uptime monitoring				
	Remote emergency light testing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	System health (controller / sensors)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	LightPoint status (failures & burning hours)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Preventive maintenance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

With minimum additional cost you can use all benefits of Multisite

### “Roll out” scenario:

For new sites & deep renovations



### “Upgrade” scenario:

Upgrading of existing sites from  
Store flex or Sotre kit (previously known as  
StoreWise)  $\Rightarrow$  to Multisite



#### Offer should comprise:

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

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

addressable

broadcast

addressable

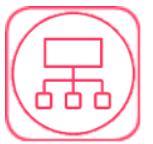
Multisite



Secure site gateway:  
PDDEG-S



Robust Dynalite  
network controls



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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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