

**PHILIPS**

dynalite 

Networked Solutions

# Philips Dynalite Product Portfolio





Burj Khalifa

# Philips Dynalite – the intelligent choice

**When you choose Philips Dynalite, you are selecting the world's finest lighting control system. Tried and tested in more than 30,000 projects, Philips Dynalite has implemented some of the largest and most extensive control networks around the globe. The same robust technology can be used in any application, on any scale.**

Philips Dynalite is part of the Philips Lighting Professional Systems group. This global group includes several other worldwide leaders in LED lighting and advanced lighting controls – including Philips Color Kinetics, Philips CityTouch, and Philips Large Luminous Surfaces.

Combined, these groups offer years of market knowledge and experience in developing best-in-class lighting solutions and controls. Philips Lighting builds on our extraordinary strengths and depth of expertise to bring the best-in-the-industry connected lighting systems to our valued customers and partners.

Our experience and expertise are unrivaled and our reputation is based on delivering successful outcomes for difficult and challenging projects. So, it is not really a matter of “Why use Philips Dynalite?” but “Why use anything else?”

This Product Portfolio aims to provide a general overview of the Philips Dynalite range of Indoor Networked Controls products and solutions. Further detailed information can be found on each product in their specific Technical Datasheet, available for download at: [www.lighting.philips.com/dynalite](http://www.lighting.philips.com/dynalite)

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# User Interfaces



Mumbai Airport  
Mumbai, India

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## PABPA AntumbraButton American

### Contemporary six-button panel with light-wash effect

The Philips AntumbraButton user interface consists of easy to press mechanical buttons that can be customized with text or icons and incorporates the latest in field effect technology. The contemporary design features a number of button configurations, with each button capable of local or site-wide control functions. The PABPA range is suitable for, but not limited to North American, South American, Australian and New Zealand markets.

**Field effect technology** – The user interface detects an approaching user and 'wakes up', initiating a wall-wash lighting effect to encourage interaction.

**Supplied as two components** – The Application Module contains buttons, rim, base and mounting plate, which can be mixed and matched to suit décor. The Communication Module contains all of the logical and network functions and is pre-programmed off-site, allowing commissioning to commence prior to finish options being finalized.

**Hidden sensory inputs** – An internal light sensor measures ambient light and adjusts lightwash effect accordingly. A built-in temperature sensor automatically adjusts air conditioning when integrated into the system.

**Multiple language and icon labeling** – Button labeling language choices include English, Chinese and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.

**Selection of rim and fascia options** – Allows décor matching to suit any environment. Refer to the User Interface Brochure for further information on color options.

**Dimensions:**  
116 mm x 75 mm x 23 mm (4.6" x 2.9" x 0.9")

**Ordering Code:**  
Please contact your local Philips Lighting representative.



## PABPE AntumbraButton European

### Contemporary six-button panel with light-wash effect

The Philips AntumbraButton user interface consists of easy to press mechanical buttons that can be customized with text or icons and incorporates the latest in field effect technology. The contemporary design features a number of button configurations, with each button capable of local or site-wide control functions. The PABPE range is suitable for, but not limited to, European, Middle Eastern, African and Asian markets.

**Field effect technology** – The user interface detects an approaching user and 'wakes up', initiating a wall-wash lighting effect to encourage interaction.

**Supplied as two components** – The Application Module contains buttons, rim, base and mounting plate, which can be mixed and matched to suit décor. The Communication Module contains all of the logical and network functions and is pre-programmed off-site, allowing commissioning to commence prior to finish options being finalized.

**Hidden sensory inputs** – An internal light sensor measures ambient light and adjusts lightwash effect accordingly. A built-in temperature sensor automatically adjusts air conditioning when integrated into the system.

**Multiple language and icon labeling** – Button labeling language choices include English, Chinese and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.

**Selection of rim and fascia options** – Allows décor matching to suit any environment. Refer to the User Interface Brochure for further information on color options.

**Dimensions:**  
88 mm x 88 mm x 23 mm (3.5" x 3.5" x 0.9")

**Ordering Code:**  
Please contact your local Philips Lighting representative.



## PADPA AntumbraDisplay American

### Contemporary button panel with LCD display

The Philips AntumbraDisplay user interface provides a central LCD display to present multiple pages of functions and system information. It incorporates the latest in field effect technology. The contemporary design features a number of button configurations, with each button capable of local or site-wide control functions. The PADPA range is suitable for, but not limited to, North American, South American, Australian and New Zealand markets.

**Field effect technology** – The user interface detects an approaching user and ‘wakes up’, initiating a wall-wash lighting effect to encourage interaction.

**Supplied as two components** – The Application Module contains buttons, rim, base and mounting plate, which can be mixed and matched to suit décor. The Communication Module contains all of the logical and network functions and is pre-programmed off-site, allowing commissioning to commence prior to finish options being finalized.

**Hidden sensory inputs** – An internal light sensor measures ambient light and adjusts lightwash effect accordingly. A built-in temperature sensor automatically adjusts air conditioning when integrated into the system.

**Multiple language and icon labeling** – Display labeling language choices include English, Chinese and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.

**Central LCD** – Allows for display of system information including temperature, time, channel level and current scene. Button function can change when navigating between up to 16 pages.

**Selection of rim and fascia options** – Allows décor matching to suit any environment. Refer to the User Interface Brochure for further information on color options.



**Dimensions:**  
116 mm x 75 mm x 36 mm (4.6" x 3.0" x 1.4")

**Ordering Code:**  
Please contact your local Philips Lighting representative.

## PADPE AntumbraDisplay European

### Contemporary button panel with LCD display

The Philips AntumbraDisplay user interface provides a central LCD display to present multiple pages of functions and system information. It incorporates the latest in field effect technology. The contemporary design features a number of button configurations, with each button capable of local or site-wide control functions. The PADPE range is suitable for, but not limited to, European, Middle Eastern, African and Asian markets.

**Field effect technology** – The user interface detects an approaching user and ‘wakes up’, initiating a wall-wash lighting effect to encourage interaction.

**Supplied as two components** – The Application Module contains buttons, rim, base and mounting plate, which can be mixed and matched to suit décor. The Communication Module contains all of the logical and network functions and is pre-programmed off-site, allowing commissioning to commence prior to finish options being finalized.

**Hidden sensory inputs** – An internal light sensor measures ambient light and adjusts lightwash effect accordingly. A built-in temperature sensor automatically adjusts air conditioning when integrated into the system.

**Multiple language and icon labeling** – Display labeling language choices include English, Chinese and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.

**Central LCD** – Allows for system information to be shown such as temperature, time, channel level and current scene. Button function can change when navigating between the up to 16 pages.

**Selection of rim and fascia options** – Allows décor matching to suit any environment. Refer to the User Interface Brochure for further information on color options.



**Dimensions:**  
88 mm x 88 mm x 36 mm (3.5" x 3.5" x 1.4")

**Ordering Code:**  
Please contact your local Philips Lighting representative.

## PATPA AntumbraTouch American

### Contemporary smooth glass panels with capacitive touch technology

The Philips AntumbraTouch user interface has a smooth glass finish and uses capacitive touch technology to detect a persons presence. It also incorporates the latest in field effect technology. The contemporary design features a number of button configurations, with each button capable of local or site-wide control functions. The PATPA range is suitable for, but not limited to, North American, South American, Australian and New Zealand markets.

**Field effect technology** – The user interface detects an approaching user and ‘wakes up’, initiating a wall-wash lighting effect to encourage interaction.

**Capacitive touch technology** – Smooth glass finish detects the presence of a finger and triggers a button press action.

**Supplied as two components** – The Application Module contains buttons, rim, base and mounting plate, which can be mixed and matched to suit décor. The Communication Module contains all of the logical and network functions and is pre-programmed off-site, allowing commissioning to commence prior to finish options being finalized.

**Hidden sensory inputs** – An internal light sensor measures ambient light and adjusts lightwash effect accordingly. A built-in temperature sensor automatically adjusts air conditioning when integrated into the system.

**Multiple language and icon labeling** – Button labeling language choices include English, Chinese and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.

**Selection of rim and fascia options** – Allows décor matching to suit any environment. Refer to the User Interface Brochure for further information on color options.



**Dimensions:**  
116 mm x 75 mm x 22 mm (4.6" x 3.0" x 0.9")

**Ordering Code:**  
Please contact your local Philips Lighting representative.

## PATPE AntumbraTouch European

### Contemporary smooth glass panels with capacitive touch technology

The Philips AntumbraTouch user interface has a smooth glass finish and uses capacitive touch technology to detect a persons presence. It also incorporates the latest in field effect technology. The contemporary design features a number of button configurations, with each button capable of local or site-wide control functions. The PATPE range is suitable for, but not limited to, European, Middle Eastern, African and Asian markets.

**Field effect technology** – The user interface detects an approaching user and ‘wakes up’, initiating a wall-wash lighting effect to encourage interaction.

**Capacitive touch technology** – Smooth glass finish detects the presence of a finger and triggers a button press action.

**Supplied as two components** – The Application Module contains buttons, rim, base and mounting plate, which can be mixed and matched to suit décor. The Communication Module contains all of the logical and network functions and is pre-programmed off-site, allowing commissioning to commence prior to finish options being finalized.

**Hidden sensory inputs** – An internal light sensor measures ambient light and adjusts lightwash effect accordingly. A built-in temperature sensor automatically adjusts air conditioning when integrated into the system.

**Multiple language and icon labeling** – Button labeling language choices include English, Chinese and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.

**Selection of rim and fascia options** – Allows décor matching to suit any environment. Refer to the User Interface Brochure for further information on color options.



**Dimensions:**  
88 mm x 88 mm x 22 mm (3.5" x 3.5" x 0.9")

**Ordering Code:**  
Please contact your local Philips Lighting representative.

## DACM-DyNet Antumbra Communication Module

### DyNet network interface for Antumbra user interfaces

The DACM-DyNet is a DyNet communication module that connects any Antumbra user interface to a Philips Dynalite system.

**Powered by DyNet** – Does not require an external power supply.

**Universally compatible** – Works with any AntumbraButton, AntumbraTouch or AntumbraDisplay application module.

**Onboard processor** – Contains all logical and network functions and can be commissioned prior to installation.

**Functions without application module** – Can be installed, wired and tested without application module, avoiding fascia damage during ongoing construction.

**Pre-configuration** – Can store and recall up to 21 configurations using the DIP switch, streamlining the commissioning and installation process.

**Dimensions:**  
45 mm x 43 mm x 25 mm (1.8" x 1.7" x 1.0")

**Ordering Code:**  
12NC - 913703970707



## DR2PA Revolution Series American

### Clip-on cover system provides the ultimate design flexibility

The Philips Dynalite Revolution series of user interfaces provides an elegant and sophisticated connection to the DyNet network. The devices can communicate directly with each other, with lighting load controllers and with other integration devices, offering a simple user interface capable of complex automation system functions. The DR2PA range is suitable for, but not limited to, North American, South American, Australian and New Zealand markets.

**Extensive designer range** – Innovative clip-on cover fastening system provides the ultimate flexibility in décor-matching. Standard finishes include brushed stainless steel and white or black glass.

**A choice of button colors** – To complement the cover color and finish choice, buttons are available in silver, white or charcoal gray.

**Custom engraving options** – Identification of button function is made simple through custom engraving. Buttons can be labeled to identify purpose or area, providing accurate explanation of function. Backlighting assists to locate the UI and provides ease of readability, even in a darkened environment.

**LED status indicators** – Easily discern which mode is in operation via the LED indicator on each button.

**Standard control options** – Each button can be programmed to perform a range of standard control options that are individually configured to perform functions including toggle lighting on/off and ramp lighting up/down.

**Complex functionality in a single action** – A single button press can be used to effect an entire system change, providing a true automation solution.

**Designed to meet any requirement** – Available in one to 24 button configurations, the Revolution series user



interfaces can be designed to perform as many or as few functions as required.

**Dimensions:**  
117 mm x 75 mm x 30 mm (4.6" x 2.9" x 1.2")

**Ordering Code:**  
Please contact your local Philips Lighting representative.

## DR2PE Revolution Series European

### Clip-on cover system provides the ultimate design flexibility

The Philips Dynalite Revolution series of user interfaces provides an elegant and sophisticated connection to the DyNet network. The devices can communicate directly with each other, with lighting load controllers and with other integration devices, offering a simple user interface capable of complex automation system functions. The DR2PE range is suitable for, but not limited to, European, Middle Eastern, African and Asian markets.

**Extensive designer range** – Innovative clip-on cover fastening system provides the ultimate flexibility in décor-matching. Standard finishes include brushed stainless steel and white or black glass.

**A choice of button colors** – To complement the cover color and finish choice, buttons are available in silver, white or charcoal gray.

**Custom engraving options** – Identification of button function is made simple through custom engraving. Buttons can be labeled to identify purpose or area, providing accurate explanation of function. Backlighting assists to locate the panel and provides

ease of readability, even in a darkened environment.

**LED status indicators** – Easily discern which mode is in operation via the LED indicator on each button.

**Standard control options** – Each button can be programmed to perform a range of standard control options that are individually configured to perform functions including toggle lighting on/off and ramp lighting up/down.

**Complex functionality in a single action** – A single button press can be used to effect an entire system change, providing a true automation solution.



**Designed to meet any requirement** – Available in one to 24 button configurations, the Revolution series user interfaces can be designed to perform as many or as few functions as required.

**Dimensions:**  
89 mm x 89 mm x 31 mm (3.5" x 3.5" x 1.2")

**Ordering Code:**  
Please contact your local Philips Lighting representative.

## DPNA-SF Classic Series American

### Brushed stainless steel panel with blue LED indicator

The Philips Dynalite Classic series user interfaces are a popular choice for commercial and residential applications, providing a robust automation solution. The DPNA-SF range features a screwless fascia and is suitable for, but not limited to, North American, South American, Australian and New Zealand markets.

**Screwless fixing fascia** – For use in applications where design aesthetic is a key consideration.

**Available in a range of standard finishes** – Supplied as standard in high quality brushed stainless steel, user interfaces are also available in polished brass, mirrored stainless steel or white powder coat. Custom powder coat colors are available on request.

**LED status indicators on each button** – Provides tactile and visual feedback on system operation.

**Removable button caps** – Allows engraving for easy identification of button function.

**Button color choices** – Supplied in silver as standard, with black bezel and black engraving, button caps are also available in charcoal gray as a standard option.

**Available in 13 standard layouts** – Incorporates the most commonly used control scenarios.

**Custom features available** – Optional devices including faders, displays, key switches, plug sockets and engraving are available for unique control solutions.

**Dimensions:**  
115 mm x 72 mm x 34 mm (4.5" x 2.8" x 1.3")

**Ordering Code:**  
Please contact your local Philips Lighting representative.



## DPNE-SF Classic Series European

### Brushed stainless steel panel with blue LED indicator

The Philips Dynalite Classic series user interfaces are a popular choice for commercial and residential applications, providing a robust automation solution. The DPNE-SF range features a screwless fascia and is suitable for, but not limited to, European, Middle Eastern, African and Asian markets.

**Screwless fixing fascia** – For use in applications where design aesthetic is a key consideration.

**Available in a range of standard finishes** – Supplied as standard in high quality brushed stainless steel, user interfaces are also available in polished brass, mirrored stainless steel or white powder coat. Custom powder coat colors are available on request.

**LED status indicators on each button** – Provides tactile and visual feedback on system operation.

**Removable button caps** – Allows engraving for easy identification of button function.

**Button color choices** – Supplied in silver as standard, with black bezel and black engraving, button caps are also available in charcoal gray as a standard option.

**Available in 13 standard layouts** – Incorporates the most commonly used control scenarios.

**Custom features available** – Optional devices including faders, displays, key switches, plug sockets and engraving are available for unique control solutions.

**Dimensions:**  
88 mm x 88 mm x 34 mm (3.5" x 3.5" x 1.3")

**Ordering Code:**  
Please contact your local Philips Lighting representative.



## DLPE Standard Series European

### Brushed metal panel with LED indicators

The Philips Dynalite Standard series is beautifully formed and highly functional. Built with the full Philips Dynalite feature set, these simple yet elegant interfaces bring the full power of the automation system to the touch of a button. The DLPE range is suitable for, but not limited to, European, Middle Eastern, African and Asian markets.

**Aesthetically pleasing** – Provides an elegant point for integrated automation in commercial buildings and homes.

**Available in two configurations** – Single column, for up to five buttons and a dual column design for up to ten buttons, where more complex control is required.

**Incorporates a miniature DyNet control network socket** – Discreetly located under the snap-on cover, the network socket enables system adjustments and programming from any user interface on the network.

**Smooth action buttons with LED indicators** – Provide tactile and visual feedback and are easily removed for engraving.

**Integrated infrared (IR) receive capability** – Eliminates the need for separate sensors where IR remotes are required.

**Décor matching capability** – Available in a range of fascia, bezel and button cap colors and finishes.

**Dimensions:**  
87 mm x 87 mm x 34 mm (3.4" x 3.4" x 1.4")

**Ordering Code:**  
Please contact your local Philips Lighting representative.



## DL2PA Standard Series American

### Slim-line panel in white with blue LED indicators

The Philips Dynalite Standard series has a minimalist design with full functionality. Built with the full Philips Dynalite feature set, these simple yet elegant interfaces bring the full power of the automation system to the touch of a button. The DL2PA range features a slimline finish and is suitable for, but not limited to, North American, South American, Australian and New Zealand markets.

**Slimline finish** – Ultra-thin profile provides a less intrusive alternative, where aesthetics are a key issue.

**Aesthetically pleasing** – Provides an elegant point for integrated automation in commercial buildings and homes.

**Available in two configurations** – Single column, for up to five buttons and a dual column design for up to ten buttons, where more complex control is required.

**Incorporates a miniature DyNet control network socket** – Discreetly located under the snap-on cover, the network socket enables system adjustments and programming from any user interface on the network.

**Smooth action buttons with blue LED indicators** – Provide tactile and visual feedback and are easily removed for engraving.

**Integrated infrared (IR) receive capability** – Eliminates the need for separate sensors where IR remotes are required.

**Décor matching capability** – Available in a range of fascia, bezel and button cap colors and finishes.

**Dimensions:**  
116 mm x 74 mm x 35 mm (4.6" x 2.9" x 1.4")

**Ordering Code:**  
Please contact your local Philips Lighting representative.



## DTP100 Color Touchscreen

### A feature-rich 4-inch color LCD touchscreen

A Philips Dynalite touchscreen adds a new dimension of control to any automation application. The DTP100 supports a range of features that provide end-users with the ultimate in automation system interaction. The screen can be customized to control all automation elements from one location. The device features a screen size of 56mm x 95mm.

**Vivid graphics and sophisticated onscreen controls** – Objects such as logos, buttons, faders, floor plans and diagnostic icons can be placed on pages to perform simple or complex control functions.

**Simple page creation** – Easy-to-use pages are created using Philips Dynalite's touchscreen editor and JavaScript is fully supported.

**Windows operating system and full Internet connectivity** – Runs Windows CE with audio and video support.

**Décor matching capability** – The innovative clip-on fascia can be matched with Revolution series user interfaces, or customized using practically any flat architectural medium.

**Dimensions:**  
88 mm x 146 mm x 6 mm (3.5" x 5.8" x 0.2")

**Ordering Code:**

Stainless steel fascia	12NC – 913703074509
Black glass fascia	12NC – 913703074609
White glass fascia	12NC – 913703074709
Recess metal wallbox	12NC – 913703075309
Surface mount wallbox	12NC – 913703075909

Custom finishes available – please contact your local Philips Lighting representative.



## DTP170 Color Touchscreen

### A feature-rich 7-inch color LCD touchscreen

A Philips Dynalite touchscreen adds a new dimension of control to any automation application. The DTP170 supports a range of features that provide end-users with the ultimate in automation system interaction. The screen can be customized to control all automation elements from one location. The device features a screen size of 94mm x 155mm.

**Vivid graphics and sophisticated onscreen controls** – Objects such as logos, buttons, faders, floor plans and diagnostic icons can be placed on pages to perform simple or complex control functions.

**Simple page creation** – Easy-to-use pages are created using Philips Dynalite's touchscreen editor and JavaScript is fully supported.

**Windows operating system and full internet connectivity** – Runs Windows CE with audio and video support.

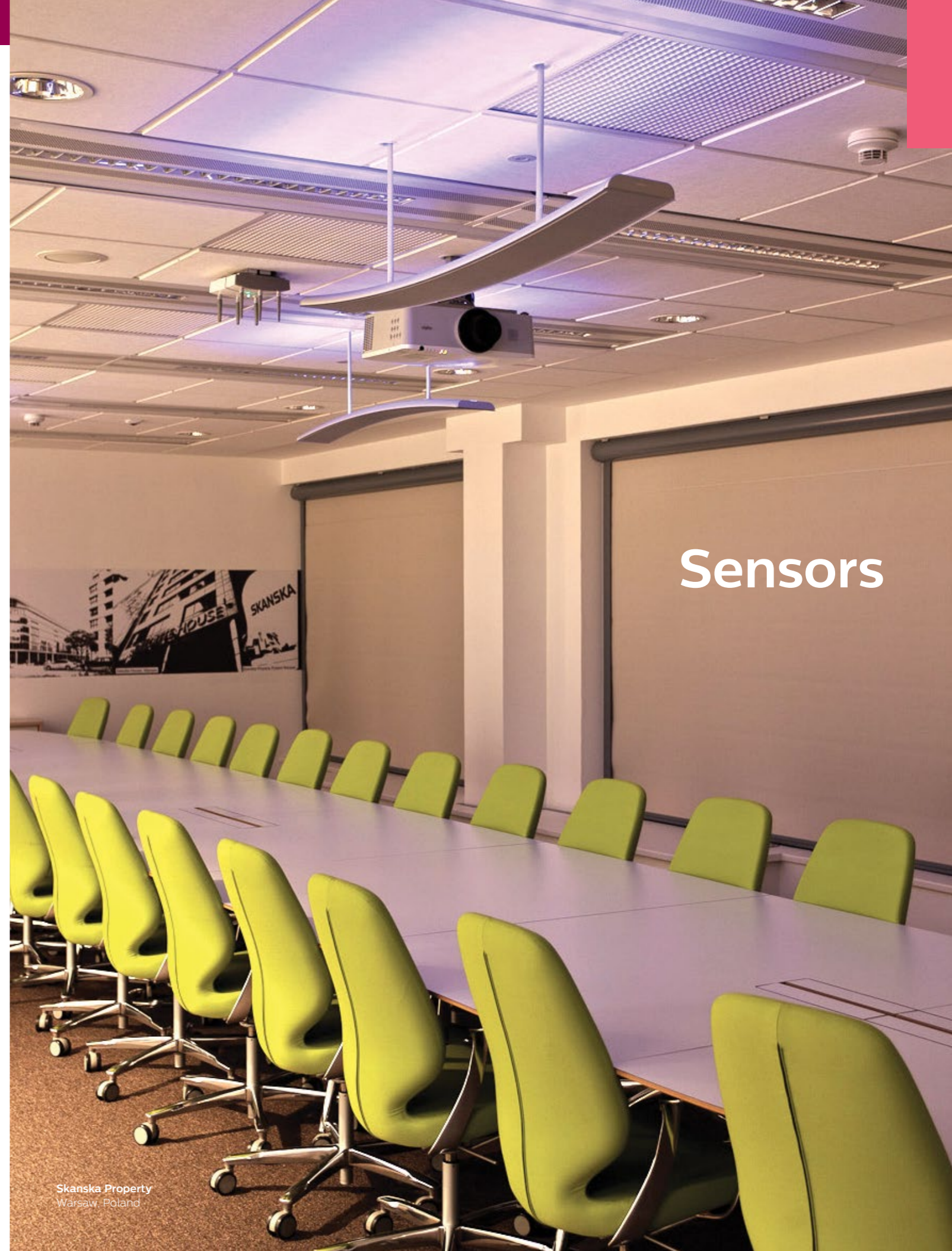
**Décor matching capability** – The innovative clip-on fascia can be matched with Revolution series user interfaces, or customized using practically any flat architectural medium.

**Dimensions:**  
149 mm x 233 mm x 7 mm (5.9" x 9.2" x 0.3")

**Ordering Code:**

Stainless steel fascia without wallbox	12NC – 913703075709
Stainless steel fascia with wallbox	12NC – 913703076109
Black borosilicate glass fascia without wallbox	12NC – 913703076409
White optically clear starfire glass fascia without wallbox	12NC – 913703075409
Wallbox only	12NC – 913703076209

Custom finishes available – please contact your local Philips Lighting representative.



Sensors



## DUS360CR Multifunction Sensor

### Low profile recessed 360° ceiling sensor

The Philips Dynalite DUS360CR is a recess mountable 360 degree multifunction sensor that combines motion detection (PIR), infrared remote control reception (IR) and ambient light level detection (PE) into one device in applications such as offices, lecture theaters and homes.

**Motion detection feature** – Detects the presence or absence of motion and adjusts lights accordingly.

**Segmented click-up bezel** – Surrounds the motion sensor element and enables a portion of the sensing field to be masked. This prevents nuisance detection from adjacent doorways or corridors.

**Ambient light level regulation** – In applications where it is critical to maintain precise light levels, the PE function reads ambient levels and adjusts artificial light accordingly.

**Infrared receive capability** – Manually adjust light levels using a hand-held remote control, via the inbuilt IR receive sensor of the DUS360CR.

**Daylight harvesting mode** – Delivers automatic energy savings.

**Suitable for plenum use** – UL approved for installation in air-handling plenum spaces.

**Dimensions:**  
72 mm dia. x 41 mm (2.8" dia. x 1.6")

**Ordering Code:**  
12NC - 913703500709



## DUS360CR-DA Multifunction Sensor

### Low profile recessed 360° ceiling sensor

The Philips Dynalite DUS360CR-DA is a recess mountable 360 degree motion sensor that combines motion detection (PIR), infrared remote control reception (IR) and ambient light level detection (PE) into the one device. The Philips Dynalite DUS360CR-DA is a component of the EcoSet system and is a switch-settable sensor with time-out, designed to allow intelligent control of luminaires in combination with the DMRC210DA-RJ12 relay controller.

**Low profile design** – Flush-mounted 360 degree ceiling-mount motion detection (PIR) sensor.

**No software set-up** – All functionality can be achieved with the built-in dialswitches for area addressing, no-motion time-out and other advanced features.

**Rapid configuration** – Up to 31 individual addressing areas of control.

**User-selectable options** – No-motion time-out selectable to 30 seconds, 5 minutes, 15 minutes or 30 minutes.

**Corridor hold** – Links corridor areas with adjacent rooms so they remain lit while occupancy is detected.

**Suitable for plenum use** – UL approved for installation in air-handling plenum spaces.

**Dimensions:**  
72 mm dia. x 41 mm (2.8" dia. x 1.6")

**Ordering Code:**  
12NC - 913703500809



## DUS360CR-DALI Multifunction Sensor

### Low profile recessed 360° ceiling sensor powered by the DALI network

The Philips Dynalite DUS360CR-DALI is a recess mountable 360 degree multifunction sensor that combines motion detection (PIR) and ambient light level detection (PE) in one device. The DUS360CR-DALI is powered and communicates to the networked control system via a DALI bus.

**Powered directly by the DALI network** – Eliminates the need for additional network field wiring.

**Works with DALI master controller** – Requires a DALI MultiMaster controller, such as the DDBC120-DALI, to operate.

**Motion detection feature** – Detection of motion within a scanned area triggers a programmed lighting action.

**Segmented click-up bezel** – Surrounds the motion sensor element and enables a portion of the sensing field to be masked. This prevents nuisance detection from adjacent doorways or corridors.

**Daylight harvesting mode** – Delivers automatic energy savings.

**Ambient light level regulation** – In applications where it is critical to maintain precise light, the PE function reads ambient levels and adjusts artificial light levels accordingly.

**Infrared receive capability** – Enables sign-on identification to the networked system.

**Suitable for plenum use** – UL approved for installation in air-handling plenum spaces.

**Dimensions:**  
72 mm dia. x 41 mm (2.8" dia. x 1.6")

**Ordering Code:**  
12NC - 913703500909



## DUS804CS-UP Multifunction Sensor

### Surface mount ceiling sensor with ultrasonic capability

The Philips Dynalite DUS804CS-UP is a surface mountable 360 degree multifunction sensor that combines ultrasonic (UP), motion detection (PIR), infrared remote control reception (IR) and ambient light level detection (PE) into one device in applications such as offices, lecture theaters and homes.

**Motion detection feature** – Detection of motion within scanned area triggers a programmed lighting action. Ultrasonic technology enables motion detection behind fixed objects.

**Ambient light level regulation** – In applications where it is critical to maintain precise light levels, the PE function reads ambient levels and adjusts artificial light accordingly.

**Infrared receive capability** – Manually adjust light levels using a hand-held remote control, via the inbuilt IR receive sensor of the DUS804CS-UP.

**Daylight harvesting mode** – Delivers automatic energy savings.

**Dimensions:**  
90 mm dia. x 32 mm (3.5" x 1.3")

**Ordering Code:**  
12NC - 913703070409



## DUS704C Multifunction Sensor

### Surface mount 360° ceiling sensor

The Philips Dynalite DUS704C is a surface mountable 360 degree sensor that combines motion detection (PIR), infrared remote control reception (IR) and ambient light level detection (PE) into one device in applications such as offices, lecture theaters and homes.

**Motion detection feature** – Detects the presence or absence of motion and adjusts lights accordingly.

**Ambient light level regulation** – In applications where it is critical to maintain precise light levels, the PE function reads ambient levels and adjusts artificial light accordingly.

**Infrared receive capability** – Manually adjust light levels using a hand-held remote control, via the inbuilt IR receive sensor of the DUS704C.

**Dimensions:**  
102 mm dia. x 33 mm (4.0" dia x 1.3")

**Ordering Code:**  
12NC – 913703070009



## DUS704W Multifunction Sensor

### Wall mount 90° multifunction sensor

The Philips Dynalite DUS704W is a wall mountable 90 degree universal sensor that combines motion detection (PIR), infrared remote control reception (IR) and ambient light level detection (PE) into one device in applications such as offices, lecture theaters and homes.

**Motion detection feature** – Detects the presence or absence of motion and adjusts lights accordingly.

**Ambient light level detection and daylight harvesting** – In applications where it is critical to maintain precise light levels, the PE function reads ambient levels and adjusts artificial light accordingly.

**Infrared receive capability** – Manually adjust light levels using a hand-held remote control, via the inbuilt IR receive sensor of the DUS704W.

**Dimensions:**  
84 mm x 65 mm x 46 mm (3.3" x 2.6" x 1.8")

**Ordering Code:**

Wall mount wide angle	12NC – 913703070209
Wall mount wide angle with mounting bracket	12NC – 913703001909
Wall mount long range	12NC – 913703070309



## DUS90AHB-DALI Multifunction Sensor

### Aisleway high bay DALI network sensor

The Philips Dynalite DUS90AHB-DALI is a 90 degree multifunction sensor that combines motion detection (PIR) and ambient light level detection (PE) in one device. The sensor uses the DALI protocol for power and communications to a network control system, eliminating the need for additional network field wiring. This sensor is ideal for mounting between warehouse shelving.

**MultiMaster compatible** – Fully compatible with a Philips Dynalite DALI MultiMaster controller, such as the DDBC120-DALI.

**Motion detection feature** – Detects the presence or absence of motion and triggers a programmed action.

**Ambient light level detection** – In applications where it is critical to maintain precise lighting levels, the PE function reads ambient levels and adjusts artificial light accordingly.

**Daylight harvesting** – When used in conjunction with networked open loop daylight sensor.

**Infrared receive capability** – Enables sign-on identification to the networked system.

**Additional networking advantages** – Including reporting and monitoring software tools.

**Targeted positioning** – Directional wallmounting block allows sensors to be easily mounted and directed to the required area.

**Dimensions:**  
66 mm x 70 mm x 61 mm (2.6" x 2.75" x 2.4")

**Ordering Code:**  
12NC – 913703015409



## DUS90WHB-DALI Multifunction Sensor

### Wide angle high bay DALI network sensor

The Philips Dynalite DUS90WHB-DALI is a 90 degree multifunction sensor that combines motion detection (PIR) and ambient light level detection (PE) in one device. The sensor uses the DALI protocol for power and communications to a network control system, eliminating the need for additional network field wiring. This is a wide angle, general purpose sensor.

**MultiMaster compatible** – Fully compatible with a Philips Dynalite DALI MultiMaster controller, such as the DDBC120-DALI.

**Motion detection feature** – Detects the presence or absence of motion and triggers a programmed action.

**Ambient light level detection** – In applications where it is critical to maintain precise lighting levels, the PE function reads ambient levels and adjusts artificial light accordingly.

**Daylight harvesting** – When used in conjunction with networked open loop daylight sensor.

**Infrared receive capability** – Enables sign-on identification to the networked system.

**Additional networking advantages** – Including reporting and monitoring software tools.

**Targeted positioning** – Directional wall-mounting block allows sensors to be easily mounted and directed to the required area.

**Dimensions:**  
66 mm x 70 mm x 61 mm (2.6" x 2.75" x 2.4")

**Ordering Code:**  
12NC – 913703015409



## DUS30LHB-DALI Multifunction Sensor

### Long-range high bay DALI network sensor

The Philips Dynalite DUS30LHB-DALI is a 30 degree multifunction sensor that combines motion detection (PIR) and ambient light level detection (PE) in one device. The sensor uses the DALI protocol for power and communications to a network control system, eliminating the need for additional network field wiring. This sensor is useful for long-range detection.



**MultiMaster compatible** – Fully compatible with a Philips Dynalite DALI MultiMaster controller, such as the DDBC120-DALI.

**Motion detection feature** – Detects the presence or absence of motion and triggers a programmed action.

**Ambient light level detection** – In applications where it is critical to maintain precise lighting levels, the PE function reads ambient levels and adjusts artificial light accordingly.

**Daylight harvesting** – When used in conjunction with networked open loop daylight sensor.

**Infrared receive capability** – Enables sign-in identification to the networked system.

**Additional networking advantages** – Including reporting and monitoring software tools.

**Targeted positioning** – Directional wallmounting block allows sensors to be easily mounted and directed to the required area.

**Dimensions:**  
66 mm x 70 mm x 61 mm (2.6" x 2.75" x 2.4")

**Ordering Code:**  
12NC – 913703015609

## Relay Controllers



The Star  
Sydney, Australia

Photograph by Brent  
Winstone Photography

## DDRC420FR Relay Controller

### Robust control of switched loads

The Philips Dynalite DDRC420FR provides control of any type of switched load, including difficult lighting loads. This four channel device supports all types of switched loads up to 20 A inductive.

**Feed-through power circuit design** – Electrically equivalent to a 4 pole contactor, with the added advantage of each pole being separately controllable via the DyNet network.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.

**Inbuilt diagnostic functionality** – Features circuit run time tracking on each channel and Device Online/Offline status indication.

**Multiple wiring schemes supported** – Controls single phase and neutral or three phase and neutral (star) wiring configurations.

**Hardware override** – Service override switch accessible from front panel.

**Dimensions:**  
95 mm x 105 mm x 75 mm (3.8" x 4.1" x 2.9")

**Ordering Code:**

Standard product	12NC – 913703051009
Breaker trip detection	12NC – 913703053109



## DDRC1220FR-GL Relay Controller

### Robust control of switched loads

The Philips Dynalite DDRC1220FR-GL provides control of any type of switched load. This 12 channel device supports all types of switched loads up to 20 A inductive. The maximum load may be limited by 500 A inrush rating.

**Feed-through power circuit design** – Electrically equivalent to a 12 pole contactor, with the added advantage of each pole being separately controllable via the DyNet network.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.

**Inbuilt diagnostic functionality** – Features circuit run time tracking on each channel and Device Online/Offline status indication.

**Multiple wiring schemes supported** – Controls single phase and neutral or three phase and neutral (star) wiring configurations.

**Hardware override** – Service override switch accessible from front panel.

**Dimensions:**  
93 mm x 215 mm x 64 mm (3.6" x 8.5" x 2.5")

**Ordering Code:**

12NC – 913703052309



## DDRC810DT-GL Relay Controller

### Designed to operate any type of switched load

The Philips Dynalite DDRC810DT-GL is ideal for controlling bi-directional motors, such as curtain and blind motors. It is an eight channel device suitable for any switched load up to 10 A per channel, with a maximum box load of 40 A.

**Voltage free changeover SPDT output relays** – Perfect for controlling bi-directional motors.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.

**Inbuilt diagnostic functionality** – Features circuit run time tracking on each channel.

**Standalone or networked operation** – Can operate as a discrete standalone unit, or as part of an integrated control system when connected to the DyNet network.

**Dry contact inputs** – The unit receives instructions from voltage-free button presses.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**

12NC – 913703035209



## DDRC-GRMS Switching Room Controller

### Compact switching controller for single room solutions

The Philips Dynalite DDRC-GRMS controller is a general room automation and energy management solution. This controller is completely self-contained and requires no external power supply, relays or processor.

**Dry contact inputs** – The unit receives instructions from button presses or a key card switch.

**Pre-programmed** – No programming required as the unit is supplied with complex functions such as 'master on/off', 'room unoccupied', 'do not disturb' or 'make up room' already configured.

**Built-in directional motor relays** – Provides control of motorized blinds for a full automation solution.

**Two 16 A power relays** – Enables a total energy management solution, reducing standby power consumption by switching off power outlets and air conditioning systems when not required.

**Single box solution** – Provides an economical total energy management solution for hotel guest rooms and suites.

**Dimensions:**  
95 mm x 216 mm x 74 mm (3.7" x 8.5" x 2.9")

**Ordering code:**

12NC – 913703667709



## DRC-GRMS-UL Switching Room Controller

### Wall mount switching controller for single room solutions

The Philips Dynalite DRC-GRMS-UL controller is a general room automation and energy management solution. This controller is completely self-contained and requires no external power supply, relays or processor. This model is suitable for use in UL markets.

**Dry contact inputs** – The unit receives instructions from button presses or a key card switch.

**Pre-programmed** – No programming required as the unit is supplied with complex functions such as 'master on/off', 'room unoccupied', 'do not disturb' or 'make up room' already configured.

**Built-in directional motor relays** – Provides control of motorized blinds for a full automation solution.

**Two 16 A power relays** – Enables a total energy management solution, reducing standby power consumption by switching off power outlets and air conditioning systems when not required.

**Optional HVAC control module** – Enables integration with local or centralized HVAC system.

**UL924 input** – Suitable for use with emergency lighting circuits.

**Single box solution** – Provides an economical total energy management solution.

**Built-in sequential logic functionality** – Allows intelligent responses to programmed triggers.

**Dimensions:**  
330 mm x 322 mm x 107 mm (13" x 12.7" x 4.2")

**Ordering Code:**  
12NC – 913703331109  
To be released soon, please contact your local Philips representative.



## DMRC210 Relay Controller

### Luminaire mount control of switched loads

The Philips Dynalite DMRC210 is a two channel device that provides intelligent networked control of individual lighting fixtures. The compact design enables mounting directly within the gear enclosure of many lighting fixtures.

**Incorporates two relay outputs** – Used to control mains supply to the fixture.

**Gear enclosure mounting** – Compact design allows the device to be mounted directly within the gear enclosure of many light fittings.

**Fully rated device** – Robust relays provide reliable control of difficult lighting loads.

**Inbuilt diagnostic functionality** – Features Device Online/Offline status indication.

**Dimensions:**  
240 mm x 45 mm x 38 mm (9.4" x 1.8" x 1.5")

**Ordering Code:**  
12NC – 913703050009



## DMRC210DA-RJ12 Relay Controller

### Luminaire mount control of switched loads

The Philips Dynalite DMRC210DA-RJ12 relay controller is part of the EcoSet System and is designed to allow intelligent, sub-networked control of luminaires, when used in combination with the DUS360CR-DA occupancy sensor.

**Incorporates two relay outputs** – Two independently controlled relay outputs switching lighting loads.

**Gear enclosure mounting** – Compact design allows the device to be mounted directly within the gear enclosure of many light fittings.

**Fully rated device** – Suitable for large in-rush lighting loads.

**Dipswitch configuration** – Allows rapid set area configuration and provides out-of-the-box functionality without the need for a PC and software on-site.

**Standalone or networked operation** – The device can be connected to a fully networked Philips Dynalite system when extra functionality is required.

**Inbuilt diagnostic functionality** – Features Device Online/Offline status indication.

**Dimensions:**  
240 mm x 45 mm x 38 mm (9.4" x 1.8" x 1.5")

**Ordering Code:**  
12NC – 913703050109



# Phase-cut Dimmer Controllers



Park Hyatt Hotel  
Sydney, Australia

Image courtesy of  
Park Hyatt Sydney

## DDLE801 Leading Edge Dimmer Controller

### Superior LED dimming technology

The Philips Dynalite DDLE801 supports eight channels of leading edge dimming at 1 A per channel. It is suitable for use with incandescent lighting, as well as leading edge compatible magnetic and electronic transformers. Advanced LED dimming technology makes the unit particularly suited to residential, retail and hospitality applications.

**Active Load technology on each channel** – Dramatically improves LED dimming stability through detection of supply fluctuations and application of control compensation.

**Soft start and voltage regulation technologies** – Protects lamps from over voltage and dramatically improves lamp life, reducing maintenance costs.

**Superior internal drive componentry tuning** – Removes issues of ‘clipping’ that are normally associated with leading edge dimmers controlling LED lamps.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.

**Dimensions:**  
93 mm x 215 mm x 64 mm (3.6" x 8.5" x 2.5")

**Ordering Code:**  
12NC – 913703061509



## DDLE802 Leading Edge Dimmer Controller

### Direct dimming for a range of lighting loads

The Philips Dynalite DDLE802 is an eight channel leading edge dimmer controller with a maximum load per channel of 2 A. It is suitable for use with incandescent, low voltage, neon and selected fluorescent fixtures.

**Optional manual override LED illuminated service switch** – Provides diagnostic and local override capability.

**Soft start and voltage regulation technologies** – Protects lamps from over voltage and dramatically improves lamp life, reducing maintenance costs.

**Naturally ventilated** – No forced cooling required, no maintenance required.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**  
Standard product 12NC – 913703000009  
Manual override 12NC – 913703000109



## DLE410 Leading Edge Dimmer Controller

### Compact wall mount direct dimming for a range of lighting loads

The Philips Dynalite DLE410 is a four channel leading edge dimmer controller, with a maximum load per channel of 10 A. It is suitable for use with incandescent, neon and selected fluorescent light sources, as well as iron core and leading edge electronic transformers.

**Ideal for applications where multiple user settings are required** – Provides robust control in situations where a small number of lighting circuits require control.

**Interference suppression** – Iron powder core toroidal choke lessens effects of interference from other equipment, such as transformers.

**Naturally ventilated** – Requires no forced cooling or maintenance.

**Soft start and voltage regulation technologies** – Protects lamps from over voltage and dramatically improves lamp life, reducing maintenance costs.

**Diagnostic functionality** – Device Online/Offline status reporting.

**User controls** – Incorporates service override switch – all channels to 100%, a diagnostic LED and hardware bypass switches for each channel.

**Options available** – Including an additional RS-485 DyNet/DMX512 port, circuit breaker trip reporting, double pole circuit breakers or earth leakage and overload protection on each channel.

**Dimensions:**  
340 mm x 212 mm x 174 mm (13.4" x 8.3" x 6.9")

Ordering Code:	
Standard product	12NC – 913703006009
Extra DyNet/DMX512 port	12NC – 913703006109
Double pole breakers	12NC – 913703006409
Earth leakage/overload protection (RCBO)	12NC – 913703006709
Dual port & RCBO	12NC – 913703006909



## DLE1205 Leading Edge Dimmer Controller

### Wall mount direct dimming for a range of lighting loads

The Philips Dynalite DLE1205 is a 12 channel leading edge dimmer controller with a maximum load per channel of 5 A. It is suitable for use with incandescent and neon light sources, as well as iron core and leading edge electronic transformers.

**Fully rated device** – The combination of load capacity and sub-circuit protection delivers a superior solution for small scale commercial applications.

**Interference suppression** – Iron powder core toroidal choke lessens effects of interference from other equipment, such as transformers.

**Naturally ventilated** – Requires no forced cooling or maintenance.

**Soft start and voltage regulation technologies** – Protects lamps from over voltage and dramatically improves lamp life, reducing maintenance costs.

**Diagnostic functionality** – Device Online/Offline status reporting.

**User controls** – Incorporates service override switch and three phase indicator LED. Hardware bypass switches are provided for each channel.

**Options available** – Including circuit breaker trip reporting, earth leakage and overload protection on each channel, provision of two or three pole circuit breakers, or neutral disconnect circuit breakers.

**Dimensions:**  
620 mm x 255 mm x 176 mm (24.4" x 10.0" x 6.9")

Ordering Code:	
Standard product	12NC – 913703010009
Double pole breakers	12NC – 913703003309
Three pole breakers	12NC – 913703010109
Neutral disconnect breakers	12NC – 913703010409
Earth leakage/overload protection (RCBO)	12NC – 913703010509



## DLE1203 Leading Edge Dimmer Controller

### Economical direct dimming for a range of lighting loads

The Philips Dynalite DLE1203 is a 12 channel leading edge dimmer controller, with a maximum load of 3 A per channel and a total device load of 32 A. It is suitable for use with incandescent, neon and selected fluorescent lighting, as well as iron core and leading edge electronic transformers.

**Interference suppression** – Iron powder core toroidal choke lessens effects of interference from other equipment, such as transformers.

**Naturally ventilated** – Requires no forced cooling or maintenance.

**Soft start and voltage regulation technologies** – Protects lamps from over voltage and dramatically improves lamp life, reducing maintenance costs.

**Diagnostic functionality** – Device Online/Offline status reporting.

**Options available** – Including an additional RS-485 DyNet/DMX512 port and circuit breaker trip reporting.

**Dimensions:**  
450 mm x 224 mm x 92 mm (17.7" x 8.8" x 3.6")

Ordering Code:	
Standard product	12NC – 913703008009
Extra DyNet/DMX512 port	12NC – 913703008109
Neutral disconnect breakers	12NC – 913703008409



## DLE1210GL Leading Edge Dimmer Controller

### Control a range of loads in applications requiring reliability and large power handling

The Philips Dynalite DLE1210GL is a 12 channel leading edge dimmer controller, with a maximum load per channel of 10 A and total device load of 75 A. It is suitable for use with incandescent, neon and selected fluorescent light sources, as well as iron core and leading edge dimmable electronic transformers.

**Large load capability** – Ideal for applications that require reliability combined with large power handling.

**DMX512 compatibility** – Perfect for use in theaters, shopping centers and auditoria.

**Interference suppression** – Iron powder core toroidal choke lessens effects of interference from other equipment, such as transformers.

**Naturally ventilated** – Requires no forced cooling or maintenance.

**Soft start and voltage regulation technologies** – Protects lamps from over voltage and dramatically improves lamp life, reducing maintenance costs.

**Diagnostic functionality** – Device Online/Offline status reporting.

**User controls** – Incorporates service override switch and three phase indicator LED. Hardware bypass switches are provided for each channel.

**Option available** – Earth leakage and overload protection on each channel.

**Dimensions:**  
620 mm x 255 mm x 176 mm (24.4" x 10.0" x 6.9")

Ordering Code:	
Standard product	12NC – 913703014009
Earth leakage/overload protection (RCBO)	12NC – 913703014409



## DLE220 Leading Edge Dimmer Controller

### Designed for applications where lamp life is critical

The Philips Dynalite DLE220 is a two channel leading edge dimmer controller, with a maximum load of 20 A per channel. It is suitable for use with incandescent, neon and selected fluorescent light sources, as well as iron core and leading edge dimmable electronic transformers.

**Large load capability** – Complements multichannel dimmers by providing extra channels where additional capacity is required.

**Reliable control** – Suitable for applications where lamp life is critical, such as where lamp replacement is difficult or expensive.

**Interference suppression** – Iron powder core toroidal choke lessens effects of interference from other equipment, such as transformers.

**Naturally ventilated** – Requires no forced cooling or maintenance.

**Soft start and voltage regulation technologies** – Protects lamps from over voltage and dramatically improves lamp life, reducing maintenance costs.

**Diagnostic functionality** – Device Online/ Offline status reporting.

**User controls** – Incorporates service override switch – all channels to 100% and a diagnostic LED.

**Options available** – Including an additional RS-485 DyNet/DMX512 port, circuit breaker trip reporting or neutral disconnect breakers.

**Dimensions:**  
325 mm x 212 mm x 178 mm (12.8" x 8.3" x 7.0")

**Ordering Code:**

Standard product	12NC – 913703002009
Extra DyNet/DMX512 port	12NC – 913703002109



## DTE1210 Trailing Edge Dimmer Controller

### Controls a wide range of dimmable electronic transformers

The Philips Dynalite DTE1210 trailing edge dimmer controller features 12 channels, with a maximum load per channel of 10 A and a total box load of 120 A. The trailing edge output makes the device suitable for control of both trailing and leading edge electronic transformers, as well as incandescent lamps and track lighting.

**Operates from three phase supply** – Using a three phase supply when connected to a three circuit track permits the track to be loaded to maximum rating.

**Voltage regulation and soft start technologies** – Protects lamps and extends life dramatically, minimizing re-lamping and ongoing maintenance requirements.

**Naturally ventilated** – Integral ventilation in the housing of the unit means that no forced cooling is required, thereby reducing maintenance.

**Interface to other devices** – Incorporates multipurpose programmable dry contact and analog inputs for interfacing to other devices.

**Internal controls** – Programmable logic controller capable of comprehensive conditional and sequential logic and arithmetic function processing.

**Options available** – Including earth leakage and overload protection on each channel, or three pole circuit breakers.

**Dimensions:**  
600 mm x 286 mm x 202 mm (23.6" x 11.3" x 7.9")

**Ordering Code:**

Standard product	12NC – 913703022009
Earth leakage/overload protection (RCBO)	12NC – 913703022609
RCBO & 3 pole breakers	12NC – 913703021609



## DLE1220GL Leading Edge Dimmer Controller

### Control large loads in applications requiring large power handling

The Philips Dynalite DLE1220GL is a 12 channel leading edge dimmer controller, with a maximum load per channel of 20 A and total device load of 180 A. It is suitable for use with incandescent, neon and selected fluorescent light sources, as well as iron core and leading edge dimmable electronic transformers.

**Large load capability** – Ideal for applications that require reliability combined with large power handling.

**DMX512 compatibility** – Perfect for use in theaters, shopping centers and auditoria.

**Interference suppression** – Iron powder core toroidal choke lessens effects of interference from other equipment, such as transformers.

**Naturally ventilated** – Requires no forced cooling or maintenance.

**Soft start and voltage regulation technologies** – Protects lamps from over voltage and dramatically improves lamp life, reducing maintenance costs.

**Diagnostic functionality** – Device Online/Offline status reporting and channel override switches.

**User controls** – Incorporates service override switch and three phase indicator LED. Hardware bypass switches are provided for each channel.

**Options available** – Including circuit breaker trip reporting, earth leakage and overload protection on each channel, or three pole circuit breakers.

**Dimensions:**  
596 mm x 346 mm x 202 mm (23.5" x 13.6" x 7.9")

**Ordering Code:**

Standard Product	12NC – 913703016009
Earth leakage/overload protection (RCBO)	12NC – 913703016609
RCBO & 3 pole breakers	12NC – 913703016609





# Signal Dimmer Controllers



## DDBC120-DALI MultiMaster DALI Driver Controller

### Enabling a full DALI universe including tunable white drivers, DALI sensors and user interfaces

The Philips Dynalite DDBC120-DALI delivers cost-effective control of DALI drivers through provision of a full universe of 64 DALI drivers. The device communicates seamlessly with Philips Dynalite DALI sensors and user interfaces.

**DALI MultiMaster solution** – Compatible with a range of DALI fittings and devices including; DALI fluorescent drivers, DALI electronic low voltage transformers, DALI LED fixtures, DALI emergency lighting fixtures and Philips Dynalite DALI sensors and user interfaces.

**Compatible with DALI 209 drivers** – Provides control of tunable white luminaires.

**DALI auto-enumeration** – Provides automatic enumeration of DALI ballasts when powered on and enables self-repair of the network system if a DALI driver fails.

**Fully scalable network solution** – Direct mapping from DALI to the DyNet network protocol eliminates DALI imposed limits, such as maximum group sizes.

**Dual functionality** – Leverage advantages of a true DALI network solution, whilst still allowing full function set of DyNet network control.

**Built-in energy savings** – Control signals can be programmed to operate in tandem with the internal relay, which will automatically isolate the power circuit when all associated channels are at 0%.

**Integral DALI bus power supply** – Removes the need for provision of a separate external power supply and reduces distribution board wiring complexity.

**Inbuilt diagnostic functionality** – Features lamp and driver failure reporting, driver run time tracking for each driver, emergency test reporting and Device Online/Offline status indication.



**Dimensions:**  
96 mm x 105 mm x 75 mm (3.8" x 4.1" x 2.9")

**Ordering Code:**  
12NC - 913703685109

## DDBC300-DALI DALI Driver Controller

### Cost-effective DALI control solution

The Philips Dynalite DDBC300-DALI delivers cost-effective control of DALI drivers through provision of three full universes totaling 192 DALI addresses.

**Compatible with a range of DALI fittings and devices** – Including DALI drivers, DALI electronic low voltage transformers and DALI LED fixtures.

**Fully scalable network solution** – Direct mapping from DALI to the DyNet network protocol eliminates DALI imposed limits, such as maximum group sizes.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled lighting circuit.

**Integral DALI bus power supply** – Removes the need for provision of a separate external power supply and reduces distribution board wiring complexity.

**Inbuilt diagnostic functionality** – Features lamp and driver failure reporting, driver run time tracking for each driver and Device Online/Offline status indication.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**  
12NC - 913703031109



## DDBC320-DALI DALI Driver Controller

### Power saving DALI control solution

The Philips Dynalite DDBC320-DALI features three DALI outputs, allowing control of up to 192 DALI devices. It also features 3 x 20 A feed-through switched circuits for DALI driver mains supply.

**Compatible with a range of DALI fittings and devices** – Including DALI drivers, DALI electronic low voltage transformers and DALI LED fixtures.

**Built-in energy savings** – Control signals can be programmed to operate in tandem with three internal switched outputs, which will automatically isolate the power circuit when all associated channels are at 0%. This is a useful feature as DALI drivers still draw significant power when lamps are turned off via a DALI command.

**Fully scalable network solution** – Direct mapping from DALI to the Philips Dynalite DyNet network protocol eliminates DALI imposed limits, such as maximum group sizes.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled lighting circuit.

**Integral DALI bus power supply** – Removes the need for provision of a separate external power supply and reduces distribution board wiring complexity.

**Inbuilt diagnostic functionality** – Features lamp and driver failure reporting, driver run time tracking for each driver and Device Online/Offline status indication.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**  
12NC – 913703031209



## DDBC516FR Signal Dimmer Controller

### Flexible control of 1-10 V and DALI drivers

The Philips Dynalite DDBC516FR is a five channel device for controlling DALI drivers. Each control output is selectable to DALI broadcast, DALI addressed, 1-10 V or DSI.

**Multiple protocols supported** – Each of the five control outputs supports DALI broadcast (maximum ten DALI loads/channel), DALI addressed (maximum ten DALI loads/channel), 1-10 V (maximum 10 mA sink or source/channel) or DSI (maximum five DSI loads/channel).

**Built-in energy savings** – Control signals can be programmed to operate in tandem with five internal switched outputs, which will automatically isolate the power circuit when all associated channels are at 0%. This is a useful feature as DALI drivers still draw significant power when lamps are turned off via a DALI command.

**Integral DALI bus power supply** – Removes the need for an additional external device.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.

**Inbuilt diagnostic functionality** – Features lamp and driver failure reporting, driver run time tracking for each driver and the switched output, as well as Device Online/Offline status indication.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**  
12NC – 913703031509



## DDBC1200 Signal Dimmer Controller

### Multi-protocol control solution

The Philips Dynalite DDBC1200 features 12 independent output channels, each selectable to DALI Broadcast, 1-10 V or DSI. The device can also be linked to a separate relay module for control of 1-10 V drivers.

**Multiple protocols supported** – Compatible with a range of fittings and devices including: DSI drivers, DSI electronic low voltage transformers, DALI drivers (broadcast mode only), DALI electronic low voltage transformers (broadcast mode only), 1-10 V drivers and devices that require 0-10 V analog control signals.

**LED status indicators** – Instant visual feedback on channel status of all 12 outputs.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled lighting circuit.

**Inbuilt diagnostic functionality** – Features Device Online/Offline status indication.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**  
12NC – 913703035109



## DBC1210 Signal Dimmer Controller

### Wall mount multi-protocol control solution

The Philips Dynalite DBC1210 is a 12 channel signal dimmer controller, featuring a maximum of load of 10 A per channel. It is designed for use with DALI, 1-10 V and DSI dimmable drivers and transformers.

**Multiple protocols supported** – Compatible with a range of fittings and devices including: DSI drivers, DSI electronic low voltage transformers, DALI drivers (broadcast mode only), DALI electronic low voltage transformers (broadcast mode only), 1-10 V drivers and other switched loads.

**Service override switch** – Incorporated as standard, forces all channels to 100%.

**Inbuilt diagnostic functionality** – Features Device Online/Offline status indication.

**Options available** – Including an additional RS-485 DyNet/DMX512 port, circuit breaker trip reporting or earth leakage and overload protection on each channel.

**Dimensions:**  
Standard:  
458 mm x 253 mm x 140 mm (18.0" x 10.0" x 5.5")  
-RCBO:  
585 mm x 252 mm x 126 mm (23.0" x 9.9" x 5.0")

**Ordering Code:**

Standard product	12NC – 913703036009
Extra DyNet/DMX512 Port	12NC – 913703036109
Earth leakage/overload protection (RCBO)	12NC – 913703036509
Dual Port & RCBO	12NC – 913703033009



## DBC1220GL Signal Dimmer Controller

### Wall mount multi-protocol control solution for large lighting loads

The Philips Dynalite DBC1220GL is a 12 channel signal dimmer controller, featuring a maximum of load of 20 A per channel and a total device load of 180 A. It is designed for use with DALI, 1-10 V and DSI dimmable drivers and transformers.

**Multiple protocols supported** – Compatible with a range of fittings and devices including DSI drivers, DSI electronic low voltage transformers, DALI drivers (broadcast mode only), DALI electronic low voltage transformers (broadcast mode only), 1-10 V drivers and other switched loads.

**Service override switch** – Incorporated as standard, forces all channels to 100%.

**Inbuilt diagnostic functionality** – Features Device Online/Offline status indication.

**Options available** – Including an additional RS-485 DyNet/DMX512 port or earth leakage and overload protection on each channel.

**Dimensions:**

Standard:  
458 mm x 253 mm x 140 mm (18.0" x 10.0" x 5.5")  
-RCBO:  
585 mm x 252 mm x 126 mm (23.0" x 9.9" x 5.0")

**Ordering Code:**

Standard product	12NC – 913703038009
Extra DyNet/DMX512 Port	12NC – 913703038109
Earth leakage/overload protection (RCBO)	12NC – 913703038509
Dual Port & RCBO	12NC – 913703032809



## DMBC110 Signal Dimmer Controller

### Luminaire mount multi-protocol control solution

The Philips Dynalite DMBC110 provides intelligent networked control of individual lighting fixtures. The compact design enables mounting directly within the gear enclosure of many lighting fixtures.

**Incorporates one relay output and one signal dimmer output** – Provides dimming control of DALI, 1-10 V and DSI compatible drivers and transformers.

**Gear enclosure mounting** – Compact design allows the device to be mounted directly within the gear enclosure of many light fittings.

**Fully rated device** – Robust relay provides reliable control of difficult lighting loads.

**Inbuilt diagnostic functionality** – Features Device Online/Offline status indication.

**Dimensions:**

240 mm x 45 mm x 38 mm (9.4" x 1.8" x 1.5")

**Ordering Code:**

12NC – 913703030009



## DBC905 Signal Dimmer Controller

### Easy to install controller with flexible mounting options

The Philips Dynalite DBC905 is a nine channel signal dimmer controller, designed for direct installation within ceiling cavities. The device incorporates structured wiring connectors, to enable ready connection without the use of tools.

**Multiple protocols supported** – Each control output supports DALI broadcast, DALI addressed, 1-10 V and DSI protocols.

**Integration ease** – The DBC905 integrates easily with a Building Management System (BMS) via the DyNet control network, making it ideally suited to commercial office installations.

**No tools required** – The device is available with connectors suited to three major modular wiring brands – CMS Electracom, Wieland and Wago.

**Inbuilt diagnostic functionality** – Includes lamp and driver failure, circuit run time tracking/lamp life, automated battery tests and Device Online/Offline status indication.

**High capacity option available**

– Offers increased capacity, 200 A surge switched outputs and seven DALI loads or ten 1-10 V loads per channel.

**Dimensions:**

189 mm x 416 mm x 35 mm (7.4" x 16.4" x 1.4")

**Ordering Code:**

CMS connectors	12NC – 913703040509
Wieland connectors	12NC – 913703040009
Wago - high capacity	12NC – 913703040209
CMS - high capacity	12NC – 913703040609
Wieland - high capacity	12NC – 913703040109



# LED PWM Controllers

## DDLEDC60035 PWM Controller

### Directly drive LED fittings with PWM current-mode outputs

The Philips Dynalite DDLEDC60035 is designed to control LED loads in decorative architectural lighting applications where creative color mixing and sequencing is required. The controller provides six pulse width modulated common anode current mode outputs suitable for directly driving current rated high intensity LED sources.

**Internal current regulation** – The controller is designed to directly operate series connected LED arrays without the need for any additional circuit devices.

**DMX512 compatible** – Capable of receiving native DMX512, allowing use in color mixing or chase sequence applications, such as those found in display lighting.

**Diagnostic functionality** – Device Online/Offline status reporting.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into a distribution board or other electrical enclosure.

**Naturally ventilated** – Requires no forced cooling or maintenance.

**Dimensions:**  
86 mm x 210 mm x 68 mm (3.4" x 8.3" x 2.7")

**Ordering Code:**  
12NC – 913703061309



## DDLEDC605GL PWM Controller

### Directly drive LED fittings with PWM voltage-mode outputs

The Philips Dynalite DDLEDC605GL is designed to control LED loads in decorative architectural lighting applications where creative color mixing and sequencing is required. The controller provides six pulse width modulated common anode voltage mode outputs, suitable for directly driving high intensity LED sources. The controller is designed for connection to an external DC power supply, enabling the unit to deliver a range of nominal output voltages. The Philips Dynalite DDLEDC605GL is DMX512 compatible and is suitable for the high chase speeds commonly found in display lighting.

**Designed for connection to external power supply** – The device is connected to an external DC power supply, enabling the unit to deliver a range of nominal output voltages.

**DMX512 compatible** – Capable of receiving native DMX512, allowing use in color mixing or chase sequence applications, such as those found in display lighting.

**Diagnostic functionality** – Device Online/Offline status reporting.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into a distribution board or other electrical enclosure.

**Naturally ventilated** – Requires no forced cooling or maintenance.

**Dimensions:**  
95 mm x 105 mm x 75 mm (3.8" x 4.1" x 2.9")

**Ordering Code:**  
12NC – 913703061209





# Multipurpose Controllers

## DDMC802GL Multipurpose Modular Controller

### Control different load types with one device

The Philips Dynalite DDMC802GL provides eight control channels, with a maximum load per channel of 2 A. The device is available with a variety of output modules to provide control of differing load types. The Philips Dynalite DDMC802GL can generally be loaded to a total of 10 A.

**Single controller solution** – Control a multitude of load types from one device.

**Trailing edge phase control dimmer module** – Suitable for use with most types of dimmable electronic transformers.

**Leading edge phase control dimmer module** – Suitable for use with incandescent lamps and some types of dimmable electronic transformers.

**Signal dimming module** – Suitable for controlling 1–10 V and digital drivers and transformers.

**Relay control module** – Suitable for controlling most types of switched loads.

**Fan control module** – 400 VA fan control module.

**Curtain control module** – Provides control of curtains, blinds and other window treatments.

**Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**  
12NC – 913703026009  
For modules, please refer to datasheet.



## DDMC-GRMS Multipurpose Modular Room Controller

### Compact controller for single room solutions

The Philips Dynalite DDMC-GRMS is a general room automation and energy management system. Allowing for a range of output modules, the compact unit delivers the ultimate in room comfort through seamless control of lighting, curtains and blinds, as well as limiting standby current consumption from electronic devices connected to power outlets.

**Modular controller** – Leading and trailing edge dimming modules, signal dimming modules and relay control modules available.

**Built-in motor directional relays** – Provides control of motorized blinds for a full automation solution.

**Pre-programmed** – No programming required as the unit is supplied with complex functions such as 'master on/off', 'room unoccupied', 'do not disturb' or 'make up room' already configured. The device can be reconfigured to meet any project requirements.

**Three switching channels** – Provide additional on/off control of other lighting fixture types.

**One 16 A power relay** – Enables a total energy management solution, reducing standby power consumption by switching power outlets.

**Single box solution** – Provides an economical total energy management solution.

**Built-in sequential logic functionality** – Allows intelligent responses to programmed triggers.

**Dimensions:**  
95 mm x 211 mm x 75 mm (3.8" x 8.3" x 2.9")

**Ordering Code:**  
12NC – 913703212509



## DMC2 Multipurpose Modular Controller

### Choice of modules to control a wide range of loads

The Philips Dynalite DMC2 provides multichannel control via two interchangeable modules. The device is available with a variety of control modules to handle various load types and capacities.

**Single controller solution** – Control a multitude of load types from one device, suited to any segment requiring lighting or relay control.

**Phase-cut dimmer module** – Selectable per channel for leading or trailing edge output. Compatible with most dimming loads.

**Signal dimming module** – Suitable for controlling 1-10 V, DSI and DALI broadcast drivers. Built-in relays remove power when channel level is at 0%.

**Relay control module** – Suitable for controlling most types of switched loads.

**Flexible mounting solution** – Surface or recess mountable enclosure.

**Passive cooling** – Fanless design reduces noise, power consumption and maintenance costs.

**Dimensions:**  
540 mm x 380 mm x 103 mm (21.3" x 15" x 4.1")

**Ordering Code:**

CE model	12NC – 913703666109
UL model	12NC – 913703666009

For modules, please refer to datasheet.



## DMC4 Multipurpose Modular Controller

### Control different load types with one device

The Philips Dynalite DMC4 provides multichannel control via four interchangeable output modules. The device is available with a variety of control modules to handle various load types and capacities.

**Single controller solution** – Control a multitude of load types from one device, suited to any segment requiring lighting or relay control.

**Phase-cut dimming module** – Selectable per channel for leading or trailing edge output. Compatible with most dimming loads.

**Signal dimming module** – Suitable for controlling 1-10 V, DSI and DALI broadcast drivers. Built-in relays remove power when channel level is at 0%.

**Relay control module** – Suitable for controlling most types of switched loads.

**Flexible mounting solution** – Surface or recess mountable enclosure.

**Passive cooling** – Fanless design reduces noise, power consumption and maintenance costs.

**Dimensions:**  
830 mm x 455 mm x 106 mm (32.7" x 17.5" x 4.2")

**Ordering Code:**

CE model	12NC – 913703667909
UL model	12NC – 913703667809

For modules, please refer to datasheet.



## DMC-GRMS-UL Multipurpose Modular Room Controller

### Wall mount controller for single room solutions

The Philips Dynalite DMC-GRMS-UL controller is a general room automation and energy management solution. This controller is completely self-contained and requires no external power supply, relays or processor.

**Modular controller** – Leading and trailing edge dimming modules, signal dimming modules and relay control modules available.

**Pre-programmed** – No programming required as the unit is supplied with complex functions such as 'master on/off', 'room unoccupied', 'do not disturb' or 'make up room' already configured. The device can be reconfigured to meet any project requirements.

**Built-in directional motor relays** – Provides control of motorized blinds for a full automation solution.

**Dry contact inputs** – The unit receives instructions from button presses or a key card switch.

**Six switching channels** – Provide additional on/off control of other lighting fixture types.

**One 16 A power relay** – Enables a total energy management solution, reducing standby power consumption by switching power outlets.

**Optional HVAC control module** – Enables integration with local or centralized HVAC system.

**UL924 input** – Suitable for use with emergency lighting circuits.

**Single box solution** – Provides an economical total energy management solution.

**Built-in sequential logic functionality** – Allows intelligent responses to programmed triggers.

**Dimensions:**  
450 mm x 287 mm x 107 mm (17.7" x 11.3" x 4.2")

**Ordering Code:**  
12NC – 913703331209  
To be released soon, please contact your local Philips representative.



## DMC810GL Multipurpose Controller

### Combining leading edge and signal dimming control

The Philips Dynalite DMC810GL is an 8 channel controller that provides a combination of control technologies. The ability to control mixed load types from one device provides savings in initial capital costs, installation costs and a reduction in ongoing maintenance.

**Four channels for control of dimmable loads** – Leading edge phase control for use with incandescent, neon, leading edge electronic and iron core transformers.

**Four signal control outputs** – Selectable to 1-10 VDC, DSI and DALI broadcast for control of lamp drivers.

**Four switched outputs** – Signal control outputs can operate in tandem with, or separately from, switched outputs.

**Interference suppression** – Iron powder core toroidal choke lessens effects of interference from other equipment, such as transformers.

**Naturally ventilated** – Requires no forced cooling or maintenance.

**Diagnostic functionality** – Device Online/Offline status reporting.

**User controls** – Incorporates service override switch – all channels to 100% and a diagnostic LED.

**Options available** – Including an additional RS-485 DyNet/DMX512 port or earth leakage and overload protection on each channel.

**Dimensions:**  
366 mm x 212 mm x 179 mm (14.4" x 8.3" x 7.1")

**Ordering Code:**

Standard product	12NC – 913703028009
Extra DyNet/DMX512 port	12NC – 913703028709
Earth leakage/overload protection (RCBO)	12NC – 913703028509
Dual Port & RCBO	12NC – 913703028909



# Integration Devices

## PDEG Ethernet Gateway

### Flexible Ethernet integration

The Philips Dynalite PDEG provides a multipurpose Ethernet connection to a Philips lighting control system. It supports access to the lighting system via a dedicated Philips app as well as providing a web interface delivering access to the inbuilt timeclock and schedule editor functions. It provides bridging functionality between Ethernet backbone and the DyNet fieldbus devices.



**Large storage capacity** – The device stores large project files internally, which apps use to automatically configure their settings. This saves configuration time and ensures accuracy for phone and tablet control.

**Advanced interoperability** – Supports management of Philips Dynalite and Philips PoE fittings on a single system.

**Dimensions:**  
97 mm x 110 mm x 38 mm (3.8" x 4.3" x 1.5")

**Ordering Code:**  
12NC – 913703013809

**Built-in web server** – Allows the user to edit and check system settings via the Network Hardware Checker and System Roll Call tools.

**No technical skills needed** – Inbuilt timeclock and schedule manager allow the user to manage operation and task scheduling without advanced technical knowledge.

**Powerful custom task engine** – Allows users or third-party systems to run macros, such as 'After Hours', 'Shut Down', 'Welcome' and more.

## DDNG232 RS-232 Network Gateway

### DIN-rail serial port integration

The Philips Dynalite DDNG232 network gateway provides cost-effective serial port integration between a DyNet network and third-party systems.

**Seamless integration with third-party systems** – Including AV systems, lighting desks, data projectors, HVAC, BMS and security systems.

**Flexible mounting solution** – DIN-rail mountable, designed to be installed into a distribution board or other electrical enclosure.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**  
12NC – 913703081809

**Internal controls** – Programmable logic controller capable of comprehensive conditional and sequential logic and arithmetic function processing.

**Predefined data format library or create your own** – A library of data formats is available for systems integrators, or can be created using the onboard conditional logic engine to assemble and transmit user-defined data strings.

**Macro functions available** – To simplify the control of multiple devices.



## DMNG232 RS-232 Network Gateway

### Cost-effective serial port integration

The Philips Dynalite DMG232 network gateway provides cost-effective serial port integration between a DyNet network and third-party systems.

**Seamless integration with third-party systems** – Including AV systems, lighting desks, data projectors, HVAC, BMS and security systems.

**Internal controls** – Programmable logic controller capable of comprehensive conditional and sequential logic and arithmetic function processing.

**Predefined data format library or create your own** – A library of data formats is available for systems integrators, or can be created using the onboard conditional logic engine to assemble and transmit user-defined data strings.

**Macro functions available** – To simplify the control of multiple devices.

**Powered from the DyNet network** – Requires no mains voltage supply.

**Dimensions:**  
37 mm x 79 mm x 149 mm (1.4" x 3.1" x 5.9")

**Ordering Code:**  
12NC – 913703080309



## DDNI485 Passive Gateway

### Cost-effective optical isolation

The Philips Dynalite DDNI485 is a passive network gateway designed to provide a cost-effective optical isolation solution.

**Electrical fault isolation** – Two opto-isolated RS-485 ports enable the DDNI485 to implement network segmentation, electrically isolating each spur and containing network faults.

**Passive device** – Does not require programming.

**Flexible mounting solution** – DIN-rail mountable, designed to be installed into a distribution board or other electrical enclosure.

**Dimensions:**  
95 mm x 105 mm x 75 mm (3.8" x 4.1" x 2.9")

**Ordering Code:**  
12NC – 913703081309



## DNG232 RS-232 Network Gateway

### Wall mount serial port integration

The Philips Dynalite DNG232 network gateway provides cost-effective serial port integration between a DyNet network and third-party systems.

**Seamless integration with third-party systems** – Including AV systems, lighting desks, data projectors, HVAC, BMS and security systems.

**Internal controls** – Programmable logic controller capable of comprehensive conditional and sequential logic and arithmetic function processing.

**Predefined data format library or create your own** – A library of data formats is available for systems integrators, or can be created using the onboard conditional logic engine to assemble and transmit user-defined data strings.

**Macro functions available** – To simplify the control of multiple devices.

**Dimensions:**  
224 mm x 164 mm x 58 mm (8.8" x 6.4" x 2.3")

**Ordering Code:**  
12NC – 913703082109



## DDNG485 RS-485/DMX512 Gateway

### Flexible network communications gateway

The Philips Dynalite DDNG485 is a flexible network communications bridge designed for RS-485 networks. The two opto-isolated RS-485 ports enable the DDNG485 to implement a trunk and spur topology on large project sites, with the bridge providing a high-speed backbone opto-coupled to many lower speed spurs.

**Route DyNet to third-party systems** – Such as audio-visual, Somfy blind controllers, Modbus meters and building automation systems, providing an integrated approach to total building control and energy management.

**DMX512 mode** – Transmit or receive up to 64 channels of DMX512, with automatic DyNet conversion and task triggering. Provides temporary control of house lights from the DMX512 console in an auditorium scenario.

**Electrical fault isolation** – Faults can be isolated to individual network spurs.

**Internal controls** – Programmable logic controller capable of comprehensive conditional and sequential logic and arithmetic function processing, packet filtering and DyNet to DyNet 2 translation.

**Flexible mounting solution** – DIN-rail mountable, designed to be installed into a distribution board or other electrical enclosure.

**Dimensions:**  
95 mm x 105 mm x 75 mm (3.8" x 4.1" x 2.9")

**Ordering Code:**  
12NC – 913703081209





## DNG485 RS-485/DMX512 Gateway

### Wall mount flexible network communications gateway

The Philips Dynalite DNG485 is a flexible network communications bridge designed for RS-485 networks. The two opto-isolated RS-485 ports enable the DNG485 to implement a trunk and spur topology on large project sites, with the bridge providing a high-speed backbone opto-coupled to many lower speed spurs.

**Increased network security** – Definition of packet filtering rules for each direction provides augmented security and robustness.

**Route DyNet to third-party systems** – Such as audio-visual, Somfy blind controllers, Modbus meters and building automation systems, providing an integrated approach to total building control and energy management.

**DMX512 mode** – Transmit or receive up to 64 channels of DMX512, with automatic DyNet conversion and task triggering.

**Electrical fault isolation** – Faults can be isolated to individual network spurs.

**Internal controls** – Programmable logic controller capable of comprehensive conditional and sequential logic and arithmetic function processing, packet filtering and DyNet to DyNet 2 translation.

**Dimensions:**  
320 mm x 225 mm x 79 mm (12.6" x 8.9" x 3.1")

**Ordering Code:**  
12NC – 913703082209



## DDNG-BACnet BACnet Network Gateway

### High level BACnet network integration

The Philips Dynalite DDNG-BACnet enables high level integration between a Philips Dynalite system and any building management system (BMS) that uses the BACnet protocol.

**Direct control of lighting system** – Permits direct control of the lighting system via the building's BMS network.

**Interrogation ability** – Allows interrogation of any area within the network for feedback of current lighting status.

**A range of options** – Provides solutions suitable for both small and large scale installations.

**Dimensions:**  
101 mm x 170 mm x 75 mm (4.0" x 6.7" x 2.9")

**Ordering Code:**  
12NC – 913703003809



## DDNG-KNX KNX Network Gateway

### High level KNX integration

The Philips Dynalite DDNG-KNX allows for high level integration between a Philips Dynalite system and BMS using the KNX protocol.

**Directly trigger tasks** – Use the building management system (BMS) to directly control DyNet functions.

**Status request** – Interrogate a Philips Dynalite system to request current status information.

**User controls included** – DyNet/KNX service switches and DyNet/KNX diagnostic LEDs.

**Dimensions:**  
95 mm x 105 mm x 75 mm (3.8" x 4.1" x 2.9")

**Ordering Code:**  
12NC – 913703080509



## DDNI-LON LON Gateway

### Single point LON interface

The Philips Dynalite DDNI-LON is designed to provide a single point LON interface to a Philips Dynalite system. It is configured to operate on the LON network with Echelon Corporation's LonMaker.

**Based on Echelon Corporation's Neuron 3120 chip** – Supports 63 SNVTs and will support preset control of 100 presets per area for 30 areas.

**Suitable for larger networks** – Multiple DDNI-LON devices can be cascaded together to accommodate larger or more complex DyNet networks.

**User controls incorporated** – Including DyNet service switch, DyNet diagnostic LED, LON service switch and LON diagnostic LED.

**Dimensions:**  
95 mm x 105 mm x 75 mm (3.8" x 4.1" x 2.9")

**Ordering Code:**  
12NC – 913703081409



## DLLI8I80 Dry Contact Interface

### Eight-way dry contact interface

The Philips Dynalite DLLI8I80 is an eight-way dry contact interface with LED indicator outputs, that allows mechanical and electronic switches to communicate directly to the DyNet network.

**Compact size** – Allows installation in electrical wall boxes for easy integration with third-party user interfaces.

**Eight dry contact inputs** – Each dry contact trigger is individually programmable for a range of tasks.

**Eight indicator outputs** – Each output is individually programmable to drive an external LED indicator sharing a common cathode, communicating current system status or settings.

**Allows up to 20 m cable runs** – Enables convenient connection to dry contact interfaces in multiple rooms.

**Dimensions:**  
53 mm x 30 mm x 15 mm (2.1" x 1.2" x 0.6")

**Ordering Code:**  
12NC – 913703023009



## DDMIDC8 Low Level Input Integrator

### Flexible input integration

The Philips Dynalite DDMIDC8 is designed to enable cost-effective input integration to the Philips Dynalite control system from third-party systems such as security, HVAC and BMS.

**Eight digital inputs** – Each can be individually configured as a dry contact or 0-24V AC/DC input.

**LED indicator on each input** – Provides visual status indication.

**Optical isolation** – All inputs isolated for high noise immunity.

**Four 0-5/0-10 V analogue inputs** – Software selectable.

**Programmable Logic Controller** – Processes comprehensive conditional and sequential logic and arithmetic functions.

**Dimensions:**  
95 mm x 105 mm x 75 mm (3.8" x 4.1" x 2.9")

**Ordering Code:**  
12NC – 913703081109



## DPMI940-DALI Dry Contact Interface

### Four-way DALI dry contact interface

The Philips Dynalite DPMI940-DALI is a four-channel input dry contact interface, designed to allow mechanical and electronic switches to interface directly with a DALI network and a Philips Dynalite system.

**Fully programmable** – Each individual input is fully software programmable over the DALI network, allowing for multiple functions to be performed such as select lighting scene, room join or toggle lighting on/off.

**Powered from the DALI network** – Eliminates the need for any additional network field wiring.

**Compact size** – Inputs are presented on flyleads, making the device suitable for installation behind multi-gang switch grids.

**Simple dry contact interface** – Can be used for low level integration to third-party systems such as security and air conditioning so that the lighting can be coordinated together with other services found within a project.

**Dimensions:**  
Housing: 18 mm x 34 mm x 53 mm (0.7" x 1.4" x 2.1")  
Flyleads: 165 mm (6.5") long with bootlace

**Ordering Code:**  
12NC – 913703080609



## DIR-TX8 Infrared Transmitter

### Cost-effective infrared output integration

The Philips Dynalite DIR-TX8 is designed to provide cost-effective control of all types of infrared controllable devices, such as AV equipment.

**Easy set-up** – PC editor software accepts codes downloaded from the Internet.

**Macro functionality** – Multiple IR codes can be arranged into macros and played back at any time with a single DyNet command.

**Intelligent operation** – The device includes an internal Programmable Logic Controller and supports all Philips Dynalite script commands.

**Dimensions:**  
37 mm x 79 mm x 149 mm (1.4" x 3.1" x 5.9")

**Ordering Code:**  
Standard product 12NC – 913703080009  
Infrared emitter 12NC – 913703080109



## DDFCUC010 Fan Coil Unit Controller

### Direct control of air conditioning

The Philips Dynalite DDFCUC010 is a fan coil unit controller designed for direct connection to components commonly found in air conditioning systems.

**0-10 V outputs** – Provided for controlling hot and cold water valves.

**Relay outputs** – Provided for driving fan motors.

**High capacity relay** – Provided for use with electrical heaters or power outlet switching.

**Inputs for resistive temperature sensors** – Allows the device to use data from a local temperature sensor or a networked temperature sensor, such as an Antumbra user interface.

**Programmable auxiliary inputs** – Provided for use with peripheral devices including smoke detectors, motion detectors, window open/close sensors, airflow detectors, drip trays, dirty air filters and hot water on cold valve.

**Networkable** – Can be networked with other equipment including Philips Dynalite user interfaces, via an on-board RS-485 DyNet port.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**  
12NC – 913703081909



## DDFCUC024 Fan Coil Unit Controller

### Direct control of air conditioning

The Philips Dynalite DDFCUC024 is a fan coil unit controller designed for direct connection to components commonly found in air conditioning systems. Triac outputs are provided for controlling hot and cold water valves, relay outputs are provided for driving fan motors and a high capacity relay output is available for electrical heaters.

**0-24 V outputs** – Provided for controlling hot and cold water valves.

**Relay outputs** – Provided for driving fan motors.

**High capacity relay** – Provided for use with electrical heaters or power outlet switching.

**Inputs for resistive temperature sensors** – Allows the device to use data from a local temperature sensor or a networked temperature sensor, such as an Antumbra user interface.

**Programmable auxiliary inputs** – Provided for use with peripheral devices including smoke detectors, motion detectors, window open/close sensors, airflow detectors, drip trays, dirty air filters and hot water on cold valve.

**Networkable** – Can be networked with other equipment including Philips Dynalite user interfaces, via an on-board RS-485 DyNet port.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**  
12NC – 913703081009



The Scarlet Hotel  
Cornwall, UK



Network  
Devices

## DDTC001 Timeclock

### Astronomical 365 day timeclock

The Philips Dynalite DDTC001 timeclock provides a tamper resistant solution for time-based event control on a DyNet network.

**Remote programming** – The device is programmed via a PC and there are no external controls available, providing a tamper resistant solution.

**Advanced clock controls** – Features sunrise/sunset tracking and automatic adjustment for daylight saving.

**Performs as an energy management controller** – Uses powerful macro and conditional logic functions to provide full automation of large commercial projects, where automatic lighting events are required at predetermined times.

**Flexible mounting solution** – DIN-rail mounted device, designed to be installed into a distribution board.

**Dimensions:**  
86 mm x 35 mm x 58 mm (3.4" x 1.4" x 2.3")

**Ordering Code:**  
12NC – 913703074009



## DDPB22-RJ12 Network Junction Box

### Providing installers with flexible networking options onsite

The Philips Dynalite DDPB22-RJ12 facilitates termination of 22 DyNet flat cables in one location. Flat data cable is specifically designed for high reliability localized network wiring.

**Acts as a junction box** – Provides flexible networking options.

**Facilitates faster installation** – The device takes advantage of the RJ12 connection system, allowing for a quick install and simple implementation of a star network topology.

**Complements DyNet flat cable** – Cable is available in 200 m roll or pre-terminated leads of 3, 5 or 10 m.

**Dimensions:**  
94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")

**Ordering Code:**  
12NC – 913703097809



## DDNP1501 Network Power Supply

### Supplements DyNet network DC supply

The Philips Dynalite DDNP1501 is a 15 V DC 1.5 A regulated power supply designed to supplement the DyNet network DC supply.

**No manual selection required** – The switch-mode design allows the device to be used with a range of input voltages.

**Used when high consumption devices are employed** – The DyNet network is self-powered via built-in DC supplies integrated within all mains powered devices. Use of high consumption devices, such as edge-lit touchscreens, can necessitate a requirement for additional power.

**Flexible mounting solution** – A DIN-rail mountable device, with a circuit breaker profile designed to be installed into all types of distribution board enclosures, including those with cover apertures specifically designed for circuit breakers.

**Dimensions:**  
95 mm x 105 mm x 75 mm (3.8" x 4.1" x 2.9")

**Ordering Code:**  
12NC – 913703090309



## DMAL120F Active Load

### Reduces lamp flicker and improves dimming performance

The Philips Dynalite DMAL120F provides correct load conditions for leading edge dimmers, delivering improved dimming performance and reduced lamp flicker in LED and CFL light sources. It achieves this by connecting across the line and neutral wires at any point along a lighting circuit.

**Reduces capital outlay** – Allows continued use of leading edge dimming methodology when lamps have been updated to more efficient LED and CFL technologies.

**Equally suitable for trailing edge dimming** – Delivers a better dimming range on LED and CFL light sources.

**Compact design** – Enables the unit to be mounted directly within the same enclosure as the load controller, or in the field with LED & CFL lamps.

**Note** – This device is not suitable for elimination of LED flicker resulting from mains supply instability.

**Dimensions:**  
240 mm x 45 mm x 38 mm (9.4" x 1.8" x 1.5")

**Ordering Code:**  
12NC – 913703061409



## DTK622-USB PC Node

### PC connection node

The Philips Dynalite DTK622-USB is a PC node that provides a connection to a PC using a USB connection.

**Useful interface for any PC** – Complete access to all network messages present on the DyNet network.

**Commissioning and maintenance tool** – To be used in conjunction with any of the Philips Dynalite software, this PC node can be used to commission, diagnose or repair with Philips Dynalite System Builder.

**Permanent PC connection** – Can be used as a permanent gateway to the system for the Philips Dynalite System Manager head-end software.

**Complete solution** – Includes USB flash drive with the required drivers.

**Dimensions:**  
24 mm x 51 mm x 91 mm (0.9" x 2.0" x 3.6")

**Ordering Code:**  
12NC - 913703090209



## DTK622-232 Serial Port Node

### Serial port connection node

The Philips Dynalite DTK622 is a network gateway that provides passive integration to a PC or RS-232 system.

**Full duplex integration** – Useful for linking a Philips Dynalite system with an AV or air conditioning system that supports RS-232.

**Dimensions:**  
24 mm x 51 mm x 91 mm (0.9" x 2.0" x 3.6")

**Ordering Code:**  
12NC - 913703090209



## DyNet-STP-CABLE-LSZH Cat5 Cable

### 100MHz 100Ω STP 4 pair Cat5e

DyNet data cable is specifically designed for high reliability RS-485 network wiring. In addition to a twisted pair for RS-485 data, conductors are provided to supply DC power to network powered devices.

**Overall shield for maximum data integrity** – The data cable is flexible and all conductors are stranded.

**Fast termination** – Designed for robust termination into pressure-plate style terminals.

**Extra thick outer jacket** – Mains rated for use in distribution boards.

**Supplied in 305 meter roll.**

**Dimensions:**  
Cable length: 305 m (1000.6 ft)

**Ordering Code:**  
12NC - 913703041409



## DyNet-SFLAT6-CABLE Flat Cable

### Cable roll and cable kits for faster installation

Flat data cable is specifically designed for high reliability localized network wiring. In addition to a conductor pair for data, conductors are provided to supply DC power to network powered devices.

**Overall shield for maximum data integrity** – The data cable is flexible and all conductors are stranded.

**Fast termination** – Designed for rapid crimp termination into RJ12 plugs for use with Philips Dynalite products supporting RJ12 sockets.

**Supply options** – Available in 200 m rolls or in pre-terminated leads of 3, 5 and 10 m lengths.

**Utilize DDPB22-RJ12 network junction box for faster installation** – Facilitates termination of 22 DyNet flat cables in one location.

**Ordering Code:**

200 m roll	12NC - 913703095009
10 m lead	12NC - 913703041109
5 m lead	12NC - 913703041209
3 m lead	12NC - 913703041309





# Software and Apps

## Philips Dynalite System Manager

### System control, monitoring and management

Philips Dynalite System Manager is a multi-user control system management and monitoring software tool. It provides users with full visibility of the lighting and energy management system status and performance, while enabling simple local or global system adjustments.

**Complete control** – Initiate system changes, from a single lamp to the lighting state of an entire multi-story building, with a single mouse click.

**Simple scheduling** – Intuitive tools enable the user to schedule and manage events such as 'office space to day mode' or 'car parks to after-hours security mode' with ease.

**Easy integration** – Integration tools allow the user to manage more than just lighting. HVAC, motorized window shades and other systems are accessible through System Manager.

**Manage routine maintenance** – Full support of maintenance functions means that routine tasks can be undertaken without the involvement of a system specialist. Faults are automatically flagged for attention, ensuring that the facility continues to function and operational downtime is minimized.

**Strike the balance** – Alternate energy management schemes can be initiated automatically or manually, as required. This allows facility managers to balance energy efficiency with the needs of the occupants and can be initiated on either a tenancy or building-wide basis.

**Identify energy-saving initiatives based on current use** – The energy dashboard presents live data as simple visual displays. It mines raw data for analysis, to both establish a benchmark for future improvements and pinpoint exactly where energy is being used.

**Tailored control of individual light fittings** – The optional desktop app resides in the task bar of a user's computer and allows task lighting to be tailored to the user's individual preferences. Linking PC usage to the lighting control system ensures lights are not left on unnecessarily.



**Ordering Code:**  
12NC – SW913703089909

## Philips Dynalite System Builder

### Fast and efficient lighting control system set-up

Designed with the system installer and integrator in mind, System Builder is a comprehensive platform from Philips Dynalite. This user-friendly and intuitive application sets a new benchmark for efficient lighting control system set-up.

**New and improved set-up templates** – Provides a simple and intuitive interface for access to advanced system functionality, allowing flexibility to modify, customize or create specific tasks if required.

**Faster commissioning times** – Includes a series of common device settings based on typical lighting control scenarios. Tailor to your project, save and replicate across other sites as required.

**Virtual panel** – Control any area of the system directly, run sequences and test final operations.

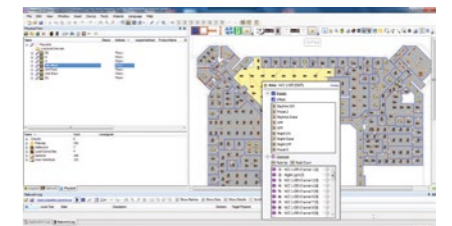
**Complex functionality made simple** – Manage logical grouping of lamps and other system hardware elements using simple graphical representations.

**Maintenance made easy** – Print out project floor plans with fixture details, including DALI addresses, to facilitate maintenance planning.

**Live data details** – The status of each lamp is visually represented using icons, which change color to reflect current lighting levels.

**Monitor the whole system** – Inbuilt network monitor details and logs all Philips Dynalite network traffic, as well as DALI network traffic.

**Ordering Code:**  
Please contact your local Philips representative



## Philips Dynalite Self-configuring Mobile App

### Intuitive and effortless control

The Philips Dynalite Self-configuring Mobile App provides intelligent system control via an iOS or Android hand-held device. Suited to both residential and commercial control applications, multiple integrated systems can be easily controlled with single preset scenarios such as 'Welcome Home' or 'After Hours'.

**Self-configuring application** – Standardized templates and functionality reduce commissioning and installation time.

**Effortless control** – Users can view current system status and make adjustments to lighting, HVAC, blinds and other equipment connected to the Philips Dynalite control network.

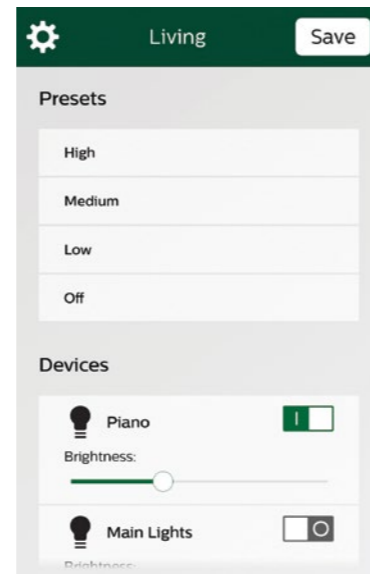
**Control individual lighting channels** – Adjust standard light sources via sliders, with an option to control tunable white fixtures and RGB color settings.

**Single-click control** – Recall predefined user preferences for lighting, blinds, heating and entertainment systems.

**Available for iOS and Android** – Works on iPhone, iPad, iPad Mini, iPod Touch and a range of Android phones and tablet devices.

**Simple Ethernet connection** – Requires a PDEG and a WiFi router to connect to a Philips Dynalite System.

**Ordering Code:**  
Search the iOS App Store or Google Play Store for 'Philips Dynalite'.



## Philips Dynalite Customizable Mobile App

### Fully tailored to customer needs

The Philips Dynalite Customizable Mobile App provides intelligent system control, via an iOS hand-held device. Suited to both residential and commercial control applications, multiple integrated systems can be easily controlled with single preset scenarios. It is fully customizable, providing the user with the ability to fine-tune both the system and the appearance of the interface itself.

**Fully customizable** – The page layout and graphical design of this app can be customized by the installer to meet the exact requirements of the end-user. It is the ideal choice in applications such as boardrooms, where high levels of control are required for multiple systems through a single app.

**Effortless control** – Users can view current system status and make adjustments to lighting, HVAC, blinds and other equipment connected to the Philips Dynalite control network.

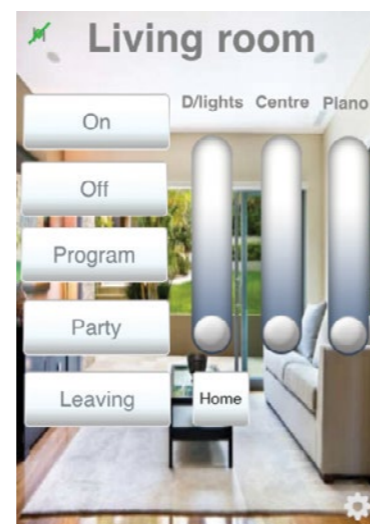
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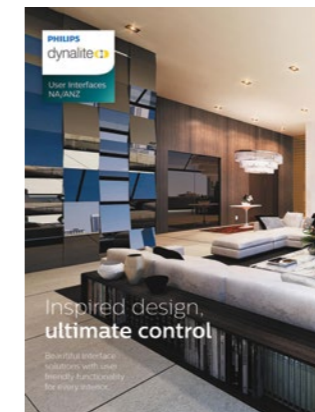
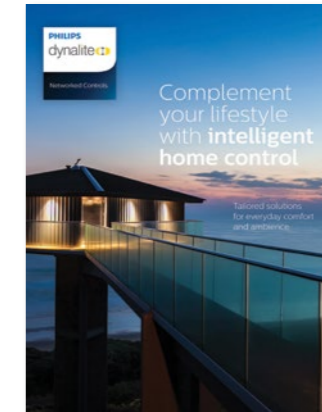
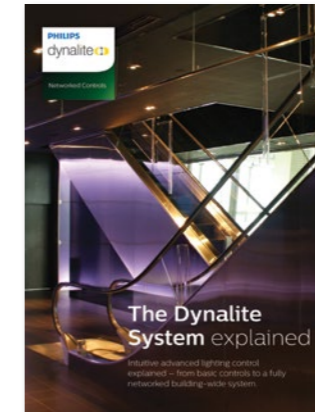
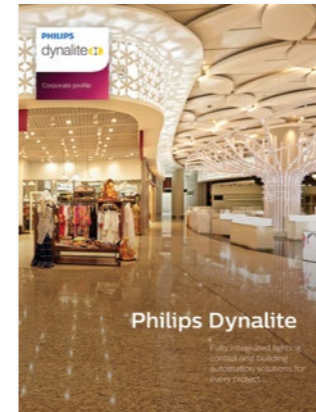
**Available for Apple iOS devices only** – Works on iPhone, iPad, iPad Mini and iPod Touch.

**Simple Ethernet connection** – Requires a PDEG and a WiFi router to connect to a Philips Dynalite system.

**Ordering Code:**  
Search the iOS App Store for 'Philips Dynalite'.



## Further Reading



Visit [www.lighting.philips.com/dynalite](http://www.lighting.philips.com/dynalite) to download your copy of our brochures or contact your local Philips representative.







[www.lighting.philips.com/dynalite](http://www.lighting.philips.com/dynalite)

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