The Antumbra series introduces multiple new features that brings Philips Dynalite to the forefront of user interface development. A single panel can be configured to have many different button combinations allowing for a consistent look thoughout an install. Each button is completely configurable through the Envision commissioning software to perform a vast range of functions, from simple local lighting control to site-wide functions that can affect all network devices. The contemporary design incorporates multiple hidden sensory inputs to automatically control the local environment. Utilizing the latest in field effect technology, when a user approaches the device, the panel will light up resulting in a wall-wash effect, welcoming the user to interact with the device. An internal light level sensor will ensure the wall light wash effect is adjusted to the appropriate level. The indicators are also hidden into each button and light up when a user approaches. When the user moves away all the wall-wash lighting effect and indicating lighting will fade away. A built-in temperature sensor automatically measures the local area and adjusts the air conditioning when integrated into the network system.

technical data 》》

Supply
12-24Vdc, SELV/Class 2, max. 40mA from the DyNet network

Control Inputs
RS 485 DyNet serial port

Firmare Update
Over the network upgradable

Termination
1 x 5 way removable screw terminal

Button Finishes
White, Silver & Magnesium

Rim finishes
White, Magnesium, Chrome & Aluminum

Number of button options
1,2,3,4 & 6

Compliance
CE, C-Tick, FCC, ICES

LED Indicators
Buttons indicator - White
Light wash - White

Temperature sensing
5^0C-40^0C +/- 1.5^0C

Field effect detection range
~ 15cm

Operating Environment
-5 - 50ºC ambient temperature
0% to 90% RH non-condensing

Storage and Transport
-25 - 60ºC ambient temperature
0% to 90% RH non-condensing

IP rating
IP22

Weight
Packed weight 0.2kg

button & rim finish options 》》

Each of the different options can be mixed and matched to suit an area's décor.
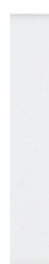

White

Magnesium

Silver

White   Magnesium   Chrome   Aluminum

ultimate in flexibility 〉〉〉

The Antumbra panel series is the most flexible user interface solution available. The advanced flexibility is from the panel being divided into two components, Application Module and Communication Module. The two components come together to form the complete solution.

The Communication Module is common across all of the user interfaces in the Antumbra series and is a self-contained unit with all the logical and network functions required for any Dynet project. This device can be pre-programed off-site without the Application Module, allowing the commissioning process to begin before the final panel finishes options have been chosen. Large scale project commissioning has been made simple with the use of selector dipswitches. For hotel room projects where there is going to be a known number

of different panel configurations, the same configuration settings can be programed into all Communication Modules in the same project and the installer can then simply set the Communication Module to which configuration is required for a particular physical location.
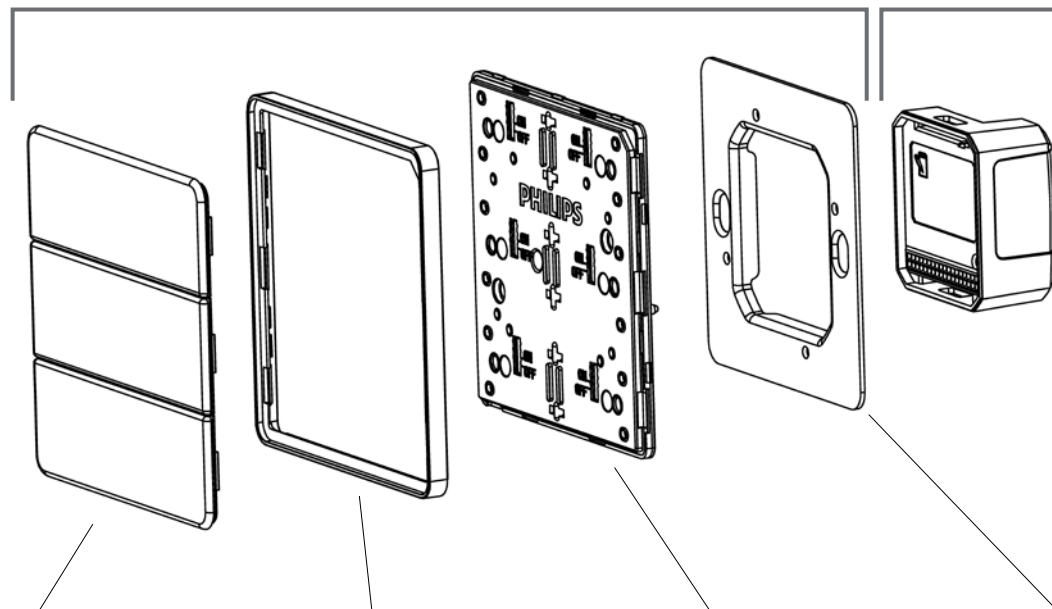
The Application Module contains the buttons, rim, base and mounting plate for the Antumbra panel. The two visible components of the module (buttons & rim) are available in a range of different finishes which can be mixed and matched to suite a project's décor. The mechanical component contains all the sensors and indicators which are enclosed by a rubber membrane to give an IP22 rating. A metal mounting plate supports the whole panel structure so that it operates perfectly every time.

bringing the options together 〉〉〉

The Antumbra panel is made up of different components to allow for selecting different combinations of finishes.

Application module

All components are supplied
pre-assembled together.

Communication Module

The Communication Module is supplied separately from the Application Module. The Communications Module stores all the settings of the panel and manages all communication requirements to the Dynet network.

Buttons

Three separate pieces make up the buttons. The buttons are available in three different colors – White, Magnesium & Silver. The buttons contain a hidden window for the indicator and light level sensor, giving a smooth and flawless finish.

Rim

The rim is made of a single piece which is available in White, Magnesium, Chrome & Aluminum. The rim has built-in ventilation openings to allow for a fast acting response from the temperature sensor.

Base

The base contains all the sensory input devices, indicating LED's & produces the light wash effect. The devices are enclosed in a rubber membrane that protect the internal electronics from the enviroment. All components of the Antumbra panel mount together onto the base unit.

Mounting plate

A metal mounting plate allows for installing in standard wall boxes and gives the whole panel strength to prevent the panel from flexing during installation. The mounting plate also provides the correct spacing for the unique light wash effect.
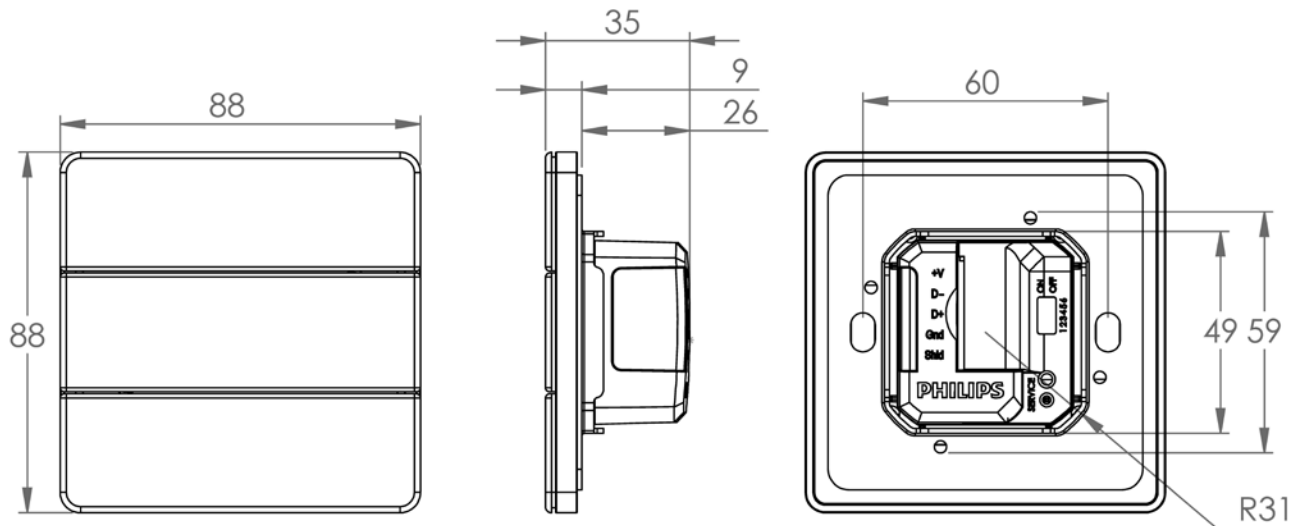
functionality 》》》

The Philips Dynalite network automation system utilizes a dedicated network protocol called Dynet to communicate with all other network devices. Dynet utilizes an industry standard RS485 method of communicating which provides native noise filtering, as well as reliable operation. The Dynet network architecture is not dependent on a central processor, power supply or special cabling allowing for one of the most robust and simple network systems available. All Philips Dynalite devices are remotely configurable using Dynet with the Envision commissioning software. The Dynet protocol is not encrypted allowing for third-party RS485 devices to be directly integrated into the Dynet network. A list of

Dynet messages is detailed on the Philips Dynalite website, describing the structure of useful commands which can be used for third-party integration.

Every Philips Dynalite user interface is capable of performing a wide range of functions from simple local lighting control to advanced functions that can affect all network devices. Each button of the panel has a range of standard control options that can be individually configured to perform features such as toggle lighting on/off, ramp of lighting up/down, changing a local area lighting scene. By using these built-in functions end-users can take full control of their site.

dimensions 》》》

button labeling 》》》

Each button can be individually labeled to indicate functionality. A combination of text and icons can be used on the buttons. A wide range of icons have been developed to indicate powerful system functions. Additional languages fonts are available for simplified Chinese and Arabic.

مثــال علــى الخــط العــربي

中国字体的例子

panel ordering information 〉〉〉

The full panel needs to be ordered in two parts as the Application Module and Communication Module are separately ordered. An online configuration tool is available on the Philips Dynalite website that allows for selecting the different finishes of the buttons and rim. The online configuration tool also allows for the detailing of button labeling. Once a panel has been configured a full preview of the panel will be available and details of the part numbers required for ordering. Click *here* to be directed to the online configurator.

application module ordering information 〉〉〉

Detailed below are the PABPE configuration option product codes. Use these codes to specify your requirements.

PABPE-WW-X

Philips Antumbra Button Panel	**European**	**Button finish**	**Rim Finish**	**Button Labeling**
The base product naming	The panel is also availble in North American / Australian style	**W** = White **M** = Magnesium **S** = Silver	**W** = White **M** = Magnesium **C** = Chrome **A** = Aluminum	**X** = No Labeling **L** = Labeling

communication module ordering information 〉〉〉

The **D**ynalite **A**ntumbra **C**ommunication **M**odule does not come with any additional options or variations. Each Antumbra panel must have its own Communication Module to function correctly in the Dynalite network system.

DACM
Dynalite **A**ntumbra **C**ommunication **M**odule

Examples of how the Antumbra panel responds with the wall wash-effect to different levels of local lighting conditions.

PHILIPS

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