



Specification Sheet

LCN1860/05 Building Connectivity Bridge

Secure remote connection between the lighting network and the cloud services

The Philips Building Connectivity Bridge (BCB) provides gateway services between the Wireless Gateway Pro (WG-Pro) and the cloud, enabling secure online access to the **Interact** toolbox.

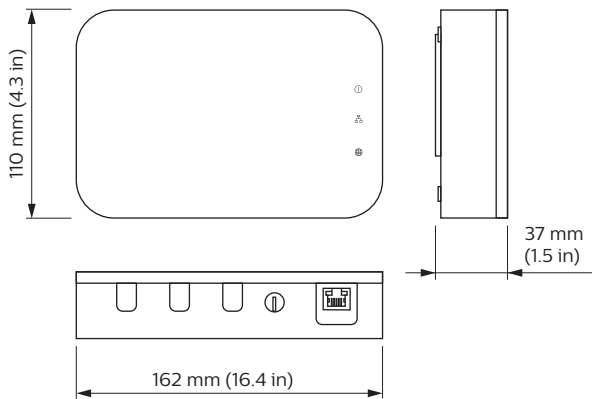
The BCB enables easy access to the online toolbox for commissioning and management of the complete lighting system.

LCN1860/05

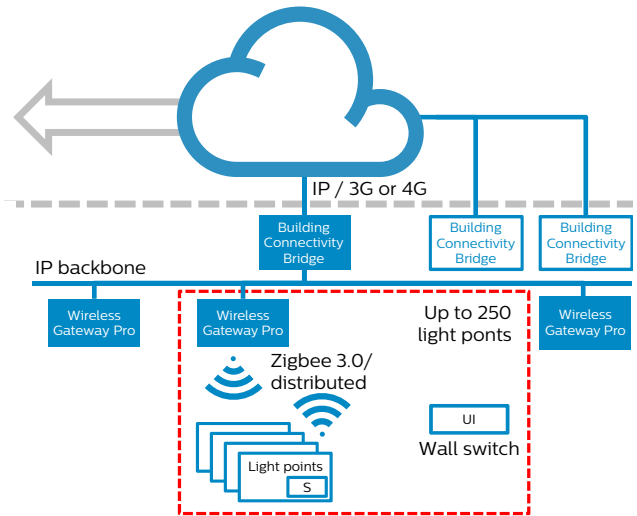
Features and benefits

- 1 BCB per building
- 3 LED indicators for feedback on connectivity
- Wall mountable using screws and mounting plate
- Supports up to 20 WG Pros and 5,000 wireless end points
- Supports port security
- Supports encrypted communication
- Implements trusted device policy
- Supports secure firmware upgrade from the cloud
- Device implements secure firmware upgrade method
- Has unique QR code for identification and commissioning

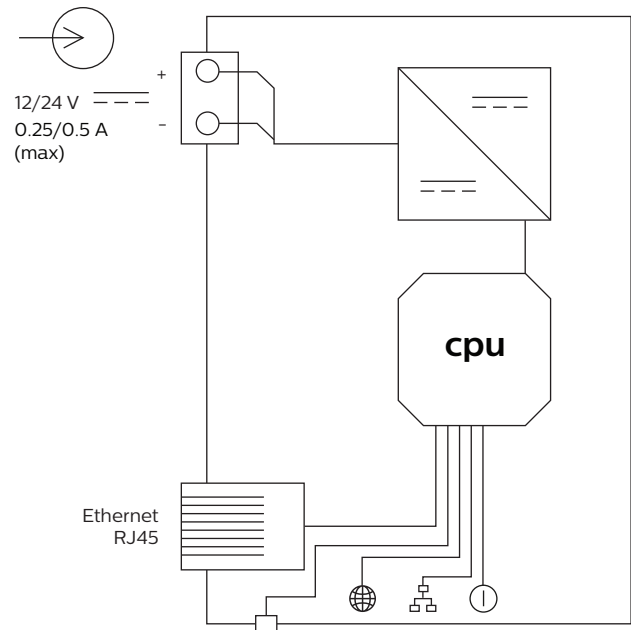
Dimensions



Application area



Electrical diagram



Specifications

Controller LCN1860

General Characteristics

Supply options	
Commercial grade regulated power supply	12/24 VDC Class 2/SELV 0.5/0.25 A
Allowed supply ripple	Max. 0.5 Vpp
Power consumption	Max. 6 W
Communication ports	10/100BaseT Ethernet port
Supported Ethernet protocols	IPv6, TCP, UDP
Environmental conditions operating	
Ambient temperature range	0 to 50 °C (32 to 122 °F)
Relative humidity range	0 to 90%, non-condensing
Environmental conditions storage	
Temperature range	-25 to 70 °C (-13 to 158 °F)
Relative humidity range	0 to 90%, non-condensing
Connector type	
Supply In	1x 2 pole 5 mm (0.2 In) pluggable screw terminal (-,+)
Ethernet	RJ45
Housing	
Material	ABS
Color	Traffic white (RAL9016)
Dimensions (length, width, height)	162 × 110 × 37 mm (6.4 × 4.3 × 1.5 in)
Weight	275 g (0.61 lb)
User Controls	Service Button, Status LEDs (Power, Network, Portal) 10/100BT status LED

Regulatory compliance

Certifications	UL, CE, FCC, IC
Approbation (Europe)	
EMC	EN 55024 EN 55032 EN61000-3-2, 3 FCC Part 15, Subpart B ICES-003
Safety	EN 60950-1 (UL60950-1 & CAN/CSA-C22.2 No. 60950-1-07)



Packing Data

Type	Dimensions	Qty/Box	Material	Weight (net)	Weight (gross)
LCN1860	155 × 220 × 50 mm (6.1 × 8.7 × 2.2 in)	1	Cardboard	0.30 kg (0.66 lb)	0.40 kg (0.88 lb)

Ordering data

EU version

Type	MOQ	Ordering number	EAN code level 1	EAN code level 3	EOC
LCN1860/05 Building Connectivity Bridge	1	9137 003 96403	8718696 689592	8718696 689608	689592 00

US version

Type	MOQ	Ordering number	UPC code level 1	UPC code level 3	Catalog code
LCN1860/05 Building Connectivity Bridge	1	9137 003 96413	046677469511	50046677469516	LCN1860/05

FCC/IC compliance statement

This device complies with part 15 of the FCC rules for the United States and Industry Canada (IC) license - exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by Philips could void the user's authority to operate this equipment. This product is intended for commercial use only.

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IC Compliance Statement

This device complies with Industry Canada license-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Any changes or modifications not expressly approved by Philips could void the user's authority to operate this equipment. This equipment is intended for commercial use only.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

IC Radiation Exposure Statement

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

Open source statement

This product contains open source software. The acknowledgements, license texts and the written offer can be retrieved from the product after installation using a web browser by opening the following web page <https://interact.lighting.com/lightopensource/>. This link allows you to enter the mac address that can be found on the label at the back of the product. This web service will subsequently retrieve the acknowledgments, license texts and written offer from the device with that particular mac address, providing you with the information corresponding to the then current open source software in the device.

