

# DLE410

Leading Edge Dimmer Controller

Compact wall mount direct dimming for a range of lighting loads

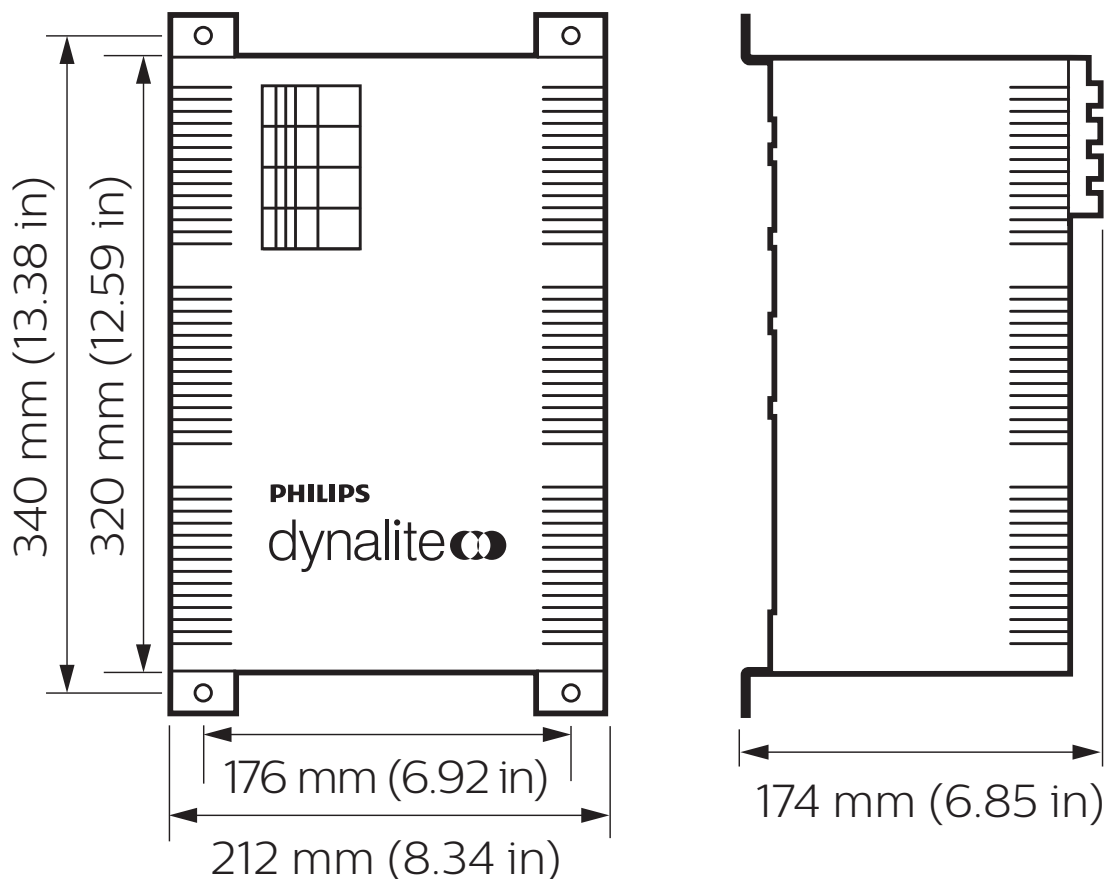
The Philips Dynalite DLE410 is a four-channel leading edge dimmer controller, with a maximum load of 10 A per channel. It is suitable for use with incandescent, neon and selected fluorescent light sources, as well as iron core and leading edge electronic transformers.

# DLE410

Compact wall mount direct dimming for a range of lighting loads

- **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** – Includes an additional RS-485 DyNet/DMX512 port, and earth leakage and overload protection on each channel.

## Dimensions



# Specifications

Due to continuous improvements and innovations, specifications may change without notice.



## DLE410 Leading Edge Dimmer Controller

### Electrical

Supply Type	Single-phase
Supply Voltage	230 VAC (±14%)
Supply Current	40 A
Outputs	4 x Leading edge dimming
Output Channel Current	10 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	200 mA
Power Conditioning	Regulated outputs Overvoltage protection Surge protection Brownout / Sag protection Spike protection Soft start 16 bit fade resolution (65,536 steps)
Electrical Protection	4 x 10 A circuit breakers (single-pole thermal magnetic, 6 kA surge)
Regulating Device	Triac (40 A nom., 600 V, 400 A surge)
Interference Suppression	Iron powder toroidal choke
Rise Time	100 µS
IEC Overvoltage Category	III

### Control

Serial Ports	1 x RS485
Supported Protocols	DyNet DMX Rx
DMX Rx Channels	4
Dry Contact Inputs	1 (AUX)
Diagnostic Functions	Device online/offline status
User Controls	1 x service switch 4 x output channel override
Indicators	1 x service LED

### Physical

Dimensions (H x W x D)	340 x 212 x 174 mm (13.38 x 12.59 x 6.85 in)
Packed Weight	8.8 kg (19.4 lb)
Construction	Alloy/steel wall mount case Powder coat finish
Mains Cable Entry	7 x Ø 25 mm knockout
Data Cable Entry	1 x Ø 25 mm knockout
Serial Ports	1 x RJ12 1 x 6-way screw terminal
Serial Port Conductor Size	2.5 mm <sup>2</sup> (#12 AWG) (max)
Supply Terminals	2 x screw terminal (Line, Neutral)
Supply Terminal Conductor Size	10 mm <sup>2</sup> (#6 AWG) (max)
Load Terminals	4 x screw terminal
Load Terminal Conductor Size	5 mm <sup>2</sup> (#10 AWG) (max)
Earth Bar Terminals	5 x screw terminal
Earth Bar Terminal Conductor Size	1 x 16 mm <sup>2</sup> (#6 AWG) (max) 4 x 5mm <sup>2</sup> (#10 AWG) (max)

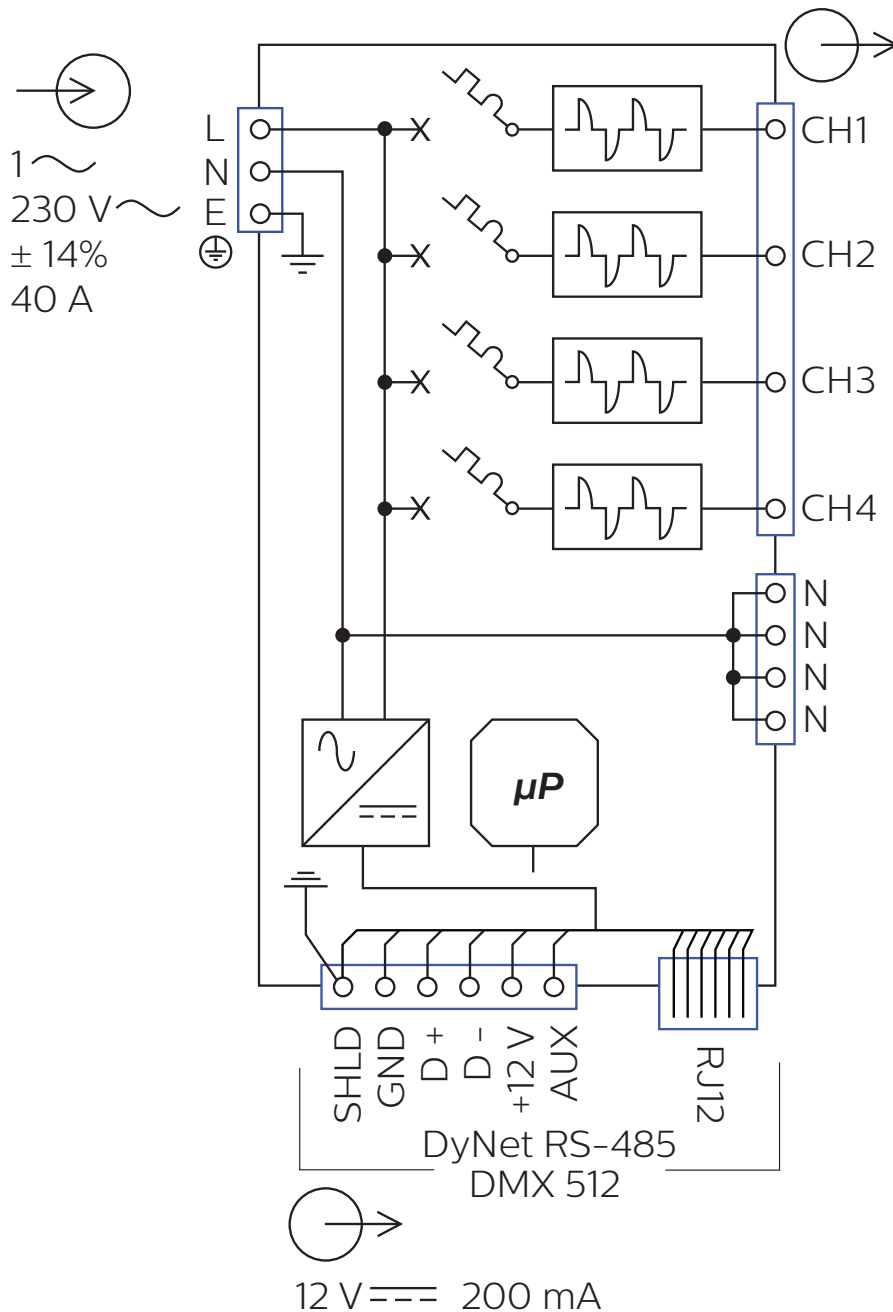
### Environment

Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

### Compliance

Certification	CE, RCM, RoHS
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## Electrical



## Ordering Code

Product	Philips 12NC
DLE410 (Standard)	913703006009
DLE410-A (Additional RS-485 DyNet/DMX512 port)	913703006109
DLE410-RCBO (Earth leakage/overload protection)	913703006709
DLE410-A-RCBO (Dual port & RCBO)	913703006909

