

# DLE1205

Leading Edge Dimmer Controller

Wall mount direct dimming for a range of lighting loads

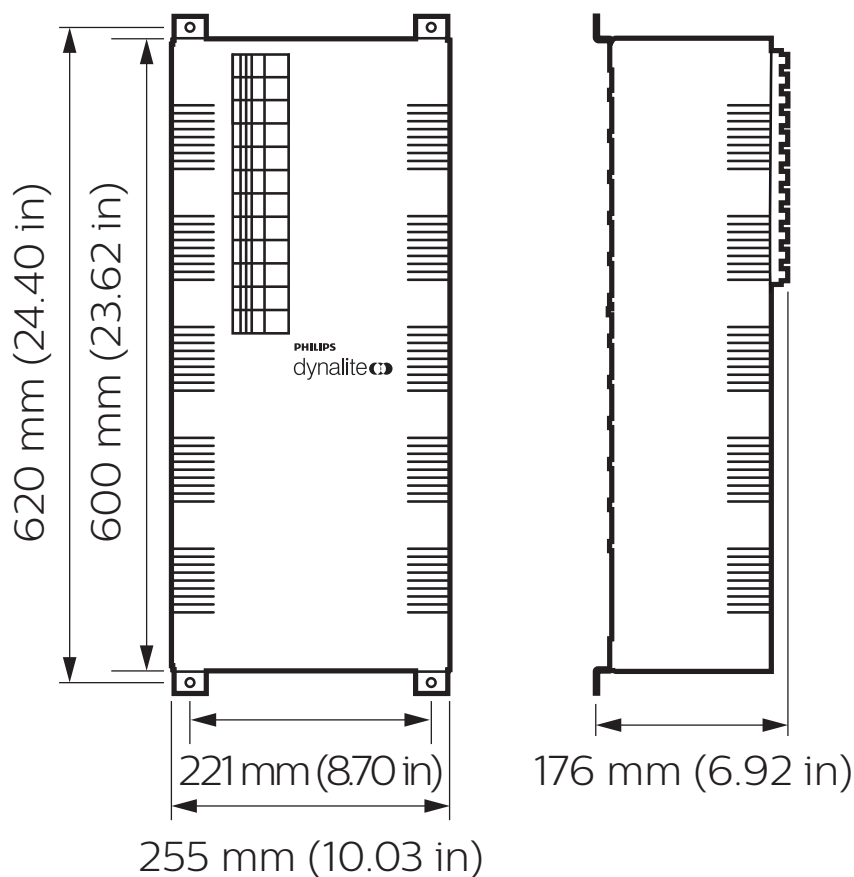
The Philips Dynalite DLE1205 is a 12-channel leading edge dimmer controller with a maximum load per channel of 5 A. It is suitable for use with incandescent and neon light sources, as well as iron core and leading edge electronic transformers.

# DLE1205

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

- **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.
- **Option available** – RCBO earth leakage and overload protection on each channel.

## Dimensions



# Specifications

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



## DLE1205

### Leading Edge Dimmer Controller

#### Electrical

Supply Type	Single-phase Three-phase
Single-Phase Supply	230 VAC (±14%) @ 60 A
Three-Phase Supply	230 / 400 VAC (±14%) $\Delta$ @ 20 A/phase
Backup CPU Supply	12 VDC @ 1 A (SELV / Class 2)
Outputs	12 x Leading edge dimming
Output Channel Rating	≤ 5 A
Total Box Load	≤ 60 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) Active phase angle firing compensation
Electrical Protection	12 x 6 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
IEC Overvoltage Category	III

#### Control

Serial Ports	1 x RS485 1 x DMX
Supported Protocols	DyNet DMX Rx
DMX Rx Channels	12
Dry Contact Inputs	1 (AUX)
Diagnostic Functions	Device online/offline status
User Controls	1 x service switch 12 x output channel override
Indicators	1 x service LED 3 x phase indicator LED

#### Physical

Dimensions (H x W x D)	620 x 255 x 176 mm (24.41 x 10.04 x 6.93 in)
Packed Weight	14.0 kg (30.86 lb)
Construction	Alloy/steel wall mount case Powder coat finish
Mains Cable Entry	6 x Ø 25 mm knockout on enclosure 4 x Ø 25 mm knockout on 100 x 50 mm removable gland plate
Data Cable Entry	1 x knockout (25 mm)
Serial Ports	2 x RJ12 1 x 6-way screw terminal 1 x 2-way screw terminal
Serial Port Conductor Size	2.5 mm <sup>2</sup> (#12 AWG) (max)
Supply Terminals	3 x screw terminal (Line 1, Line 2, Line 3)
Supply Terminal Conductor Size	10 mm <sup>2</sup> (#6 AWG) (max)
Load Terminals	12 x screw terminal
Load Terminal Conductor Size	5 mm <sup>2</sup> (#10 AWG) (max)
Earth Bar Terminals	14 x screw terminal
Earth Bar Terminal Conductor Size	2 x 16 mm <sup>2</sup> (#6 AWG) (max) 12 x 5mm <sup>2</sup> (#10 AWG) (max)
Neutral Bar Terminals	14 x screw terminal
Neutral Bar Terminal Conductor Size	1 x 16 mm <sup>2</sup> (#6 AWG) (max) 13 x 5mm <sup>2</sup> (#10 AWG) (max)

#### Environment\*

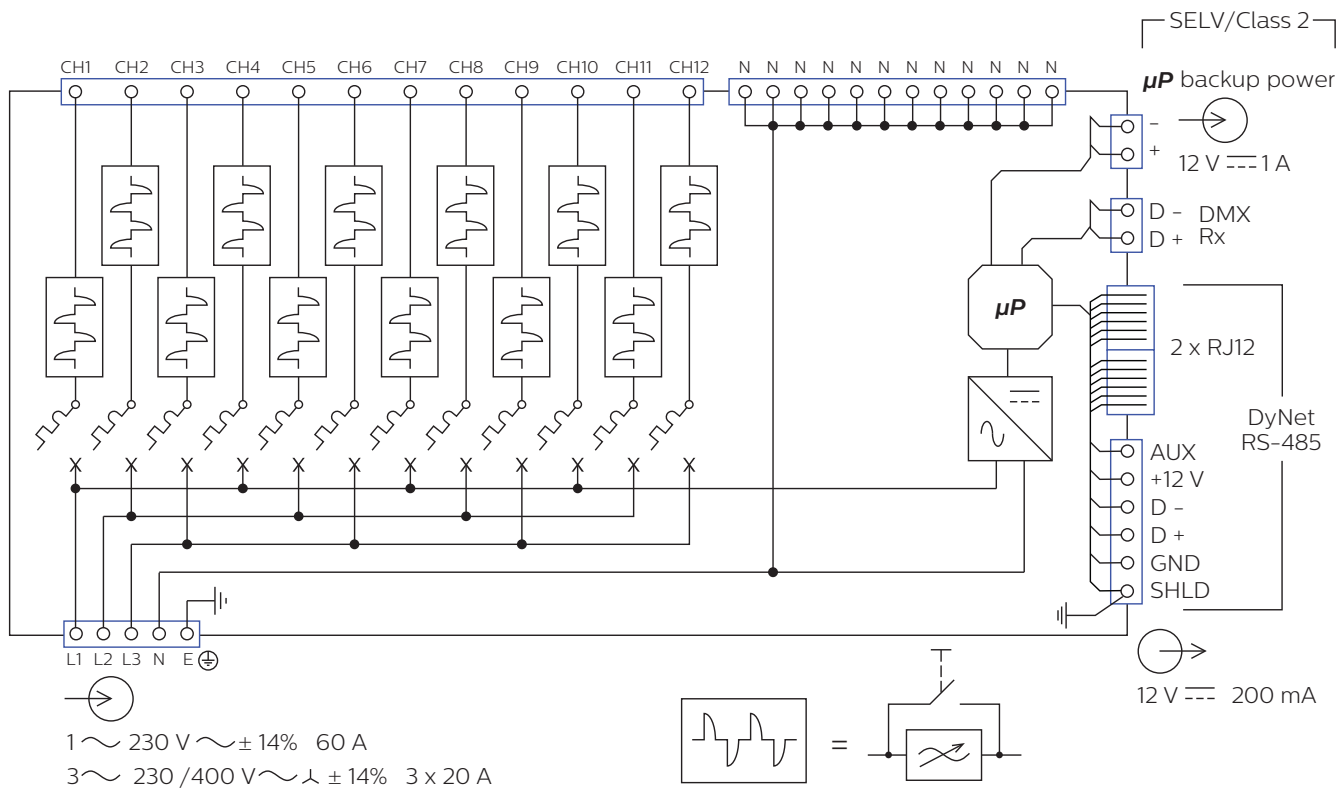
Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

#### Compliance

Certification	CE, RCM, UKCA, RoHS
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\* For indoor installation only

# Electrical



## Ordering Code

### Product

### Philips 12NC

DLE1205 (Standard)

913703010009

DLE1205-RCBO (Earth leakage and overload protection)

913703010509



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