PHILIPS
dynalite

Phase-Cut Dimmers

DLE1205

Leading Edge Dimmer Controller

Wall mount direct dimming for a range of lighting loads

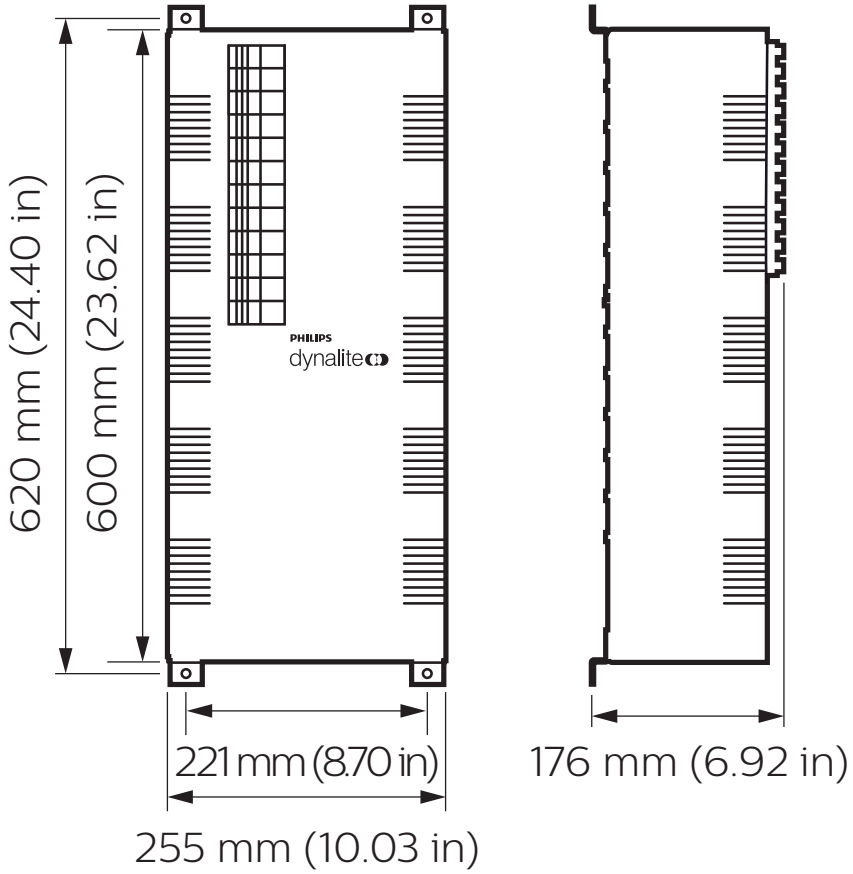
The Philips Dynalite DLE1205 is a 12-channel leading edge dimmer controller with a maximum load per channel of 5 A. It is suitable for use with incandescent and neon light sources, as well as iron core and leading edge electronic transformers.

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%) ⅄ @ 20 A/phase
Backup CPU Supply	12 VDC @ 1 A (SELV / Class 2)
Outputs	12 x Leading edge dimming
Output Channel Current	5 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^2 (#12 AWG) (max)
Supply Terminals	3 x screw terminal (Line 1, Line 2, Line 3)
Supply Terminal Conductor Size	10 mm^2 (#6 AWG) (max)
Load Terminals	12 x screw terminal
Load Terminal Conductor Size	5 mm^2 (#10 AWG) (max)
Earth Bar Terminals	14 x screw terminal
Earth Bar Terminal Conductor Size	2 x 16 mm^2 (#6 AWG) (max) 12 x 5mm^2 (#10 AWG) (max)
Neutral Bar Terminals	14 x screw terminal
Neutral Bar Terminal Conductor Size	1 x 16 mm^2 (#6 AWG) (max) 13 x 5mm^2 (#10 AWG) (max)

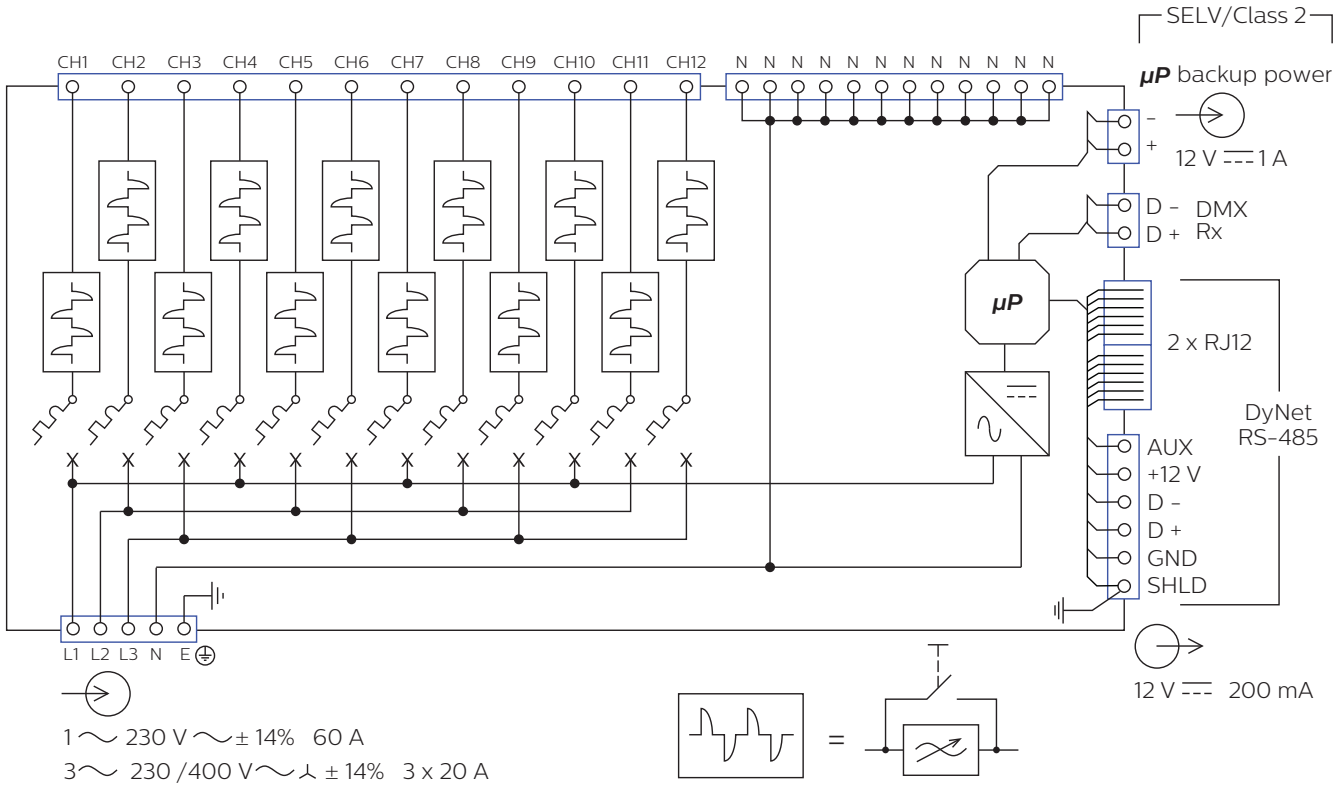
Environment

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

Electrical



Ordering Code

Product	Philips 12NC
DLE1205 (Standard)	913703010009
DLE1205-RCBO (Earth leakage and overload protection)	913703010509

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