



DLE1210GL

Leading Edge Dimmer Controller

Control a range of loads in applications requiring reliability and large power handling

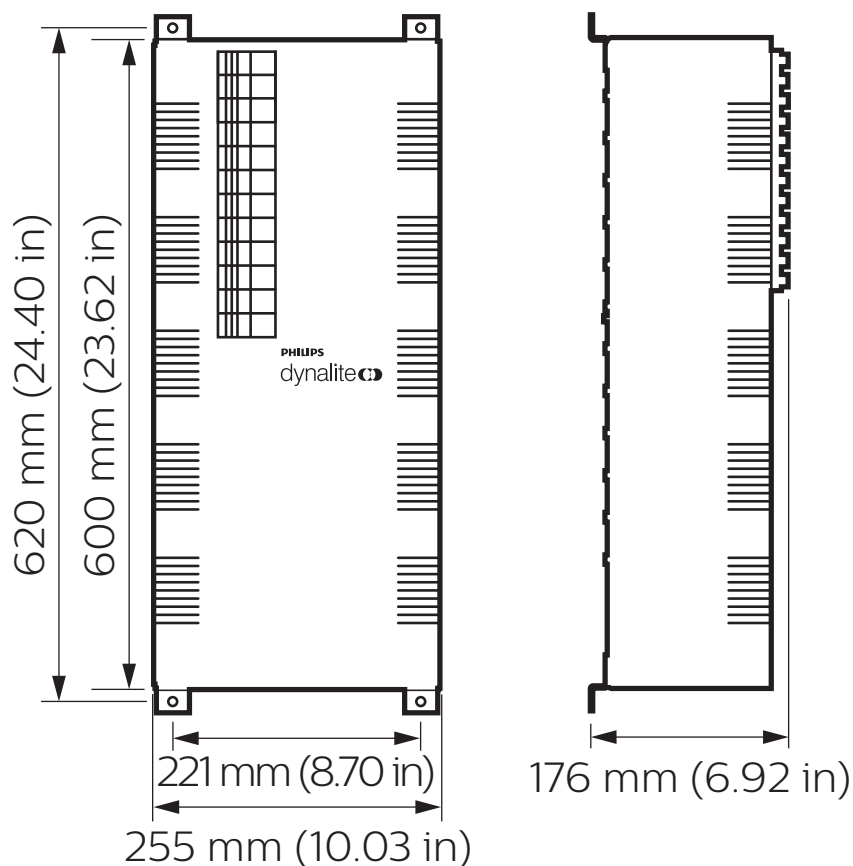
The Philips Dynalite DLE1210GL is a 12-channel leading edge dimmer controller, with a maximum load per channel of 10 A and total device load of 75 A. It is suitable for use with incandescent, neon and selected fluorescent light sources, as well as iron core and leading edge dimmable electronic transformers.

DLE1210GL

Control a range of loads in applications requiring reliability and large power handling

- **Large load capability** – Ideal for applications that require reliability combined with large power handling.
- **DMX512 compatibility** – Perfect for use in theaters, shopping centers and auditoria.
- **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** – Earth leakage and overload protection on each channel.

Dimensions



Specifications

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



DLE1210GL

Leading Edge Dimmer Controller

Electrical

Supply Type	Single-phase Three-phase
Single-Phase Supply	230 VAC (±14%) @ 63 A
Three-Phase Supply	230 / 400 VAC (±14%) Δ @ 25 A/phase
Backup CPU Supply	12 VDC @ 1 A (SELV / Class 2)
Outputs	12 x Leading edge dimming
Output Channel Current	10 A
Maximum Device Load	75 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 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 μ S @ 230 V
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	18.0 kg (39.68 lb)
Construction	Alloy/steel wall mount case Powder coat finish
Mains Cable Entry	6 x \varnothing 25 mm knockout on enclosure 4 x \varnothing 25 mm knockout on 100 x 50 mm removable gland plate
Data Cable Entry	1 x \varnothing 25 mm knockout
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)

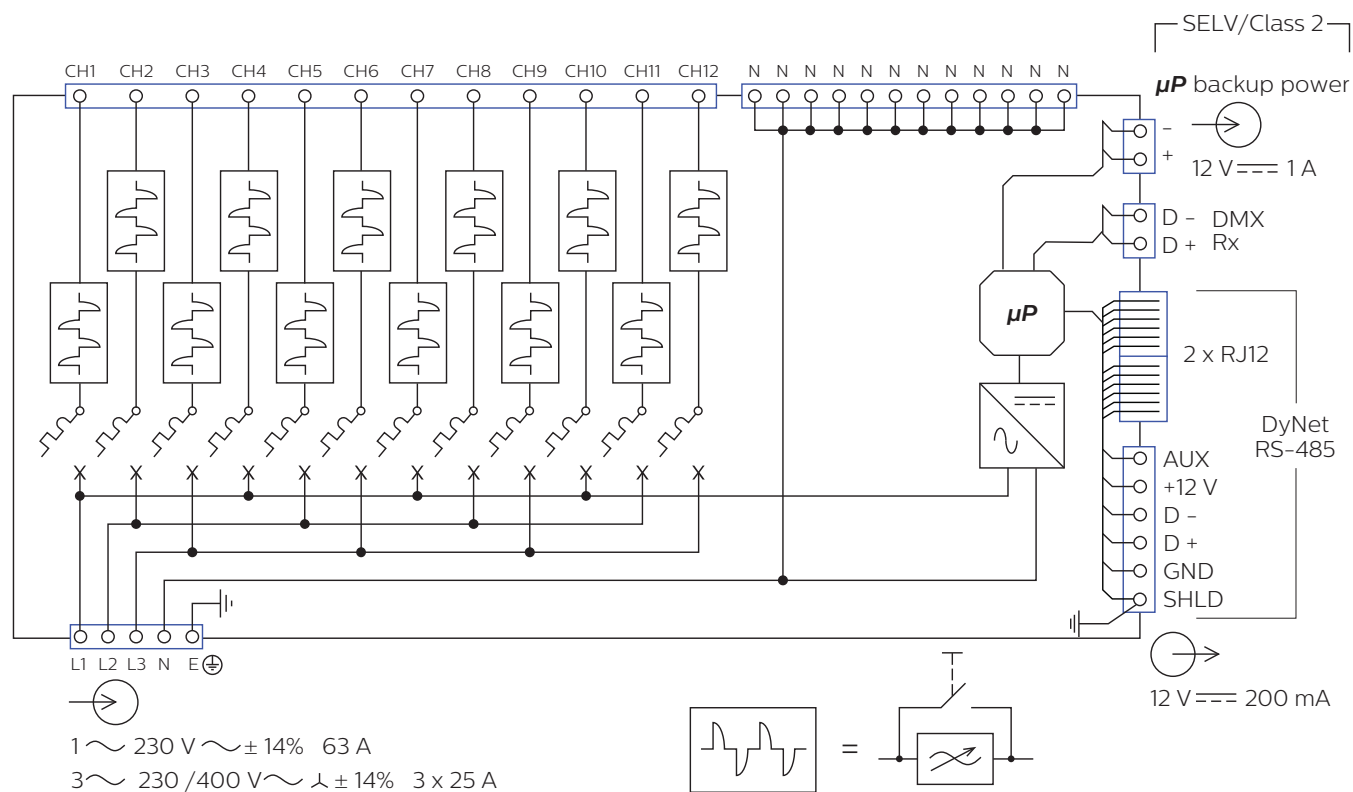
Environment

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

DLE1210GL (Standard)

913703014009

DLE1210GL-RCBO (Earth leakage and overload protection)

913703014409



© 2018 Signify Holding. All rights reserved. Specifications are subject to change without notice. No representation or warranty as to the accuracy or completeness of the information included herein is given and any liability for any action in reliance thereon is disclaimed. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.