PHILIPS

dynalite

DDLEDC60035

PWM Controller

The DDLEDC60035 is designed to control LED loads in decorative architectural lighting applications where creative colour mixing and sequencing is required. The controller provides six pulse width modulated common anode current mode outputs suitable for directly driving 350mA nominal current rated high intensity LED sources. Incorporating internal current regulation the controller is designed to directly operate series connected LED arrays without the need for any additional circuit devices. The device is supplied with a DIN rail mountable housing, designed for installation within a switchboard or suitable electrical enclosure. The DDLEDC60035 is DMX512 compatible and is suitable for the high chase speeds found in display lighting.

technical data

Supply
Regulated 18-32VDC 2.5A

LED Outputs
6 x 350mA current mode, common anode
Minimum internal voltage drop 0.5V
Outputs are short circuit protected
Integral self resetting thermal overload protection

Maximum Power Dissipation
6 Watts combined total for consecutive pairs of channels (Ch 1&2, Ch 3&4, Ch 5&6). 4 Watts per individual channel.
18 Watts Box Total
Pd = (Vs - (Vdf x n)) x 0.35
Pd = Power dissipation per channel
Vs = Supply voltage
Vdf = Diode forward voltage
n = Number of diodes in series per channel

Maximum Supply Voltage
Vs max = 8.5 + (n x Vled) or 32VDC, whichever is the lesser
Vs max = Maximum supply voltage
n = Number of diodes in series per channel
Vled = LED forward voltage

Minimum Supply Voltage
Vs min = 4 + (n x Vled) or 18VDC, whichever is the greater
Vs min = Minimum supply voltage
n = Number of diodes in series per channel
Vled = LED forward voltage

Control IO
1 x RS485 DyNet/DMX512 serial port

User Controls
Service switch
Diagnostic LED

DyNet DC Supply
12V @ 120mA (supply for approx. 6 panels)

Preset Scenes
170

Supply Terminals
Positive, Negative, Earth
1 x 2.5mm^2 max conductor size

Output Terminals
CH, COM for each channel
1 x 2.5mm^2 max conductor size

Diagnostic Functions
Device Online/Offline status

Compliance
CE, C-Tick

Operating Environment
0º to 40ºC ambient temperature
0% to 95% RH non condensing

Construction
ABS DIN Rail enclosure (12 unit)

Dimensions
H 86mm x W 209mm x D 66mm

Weight
Packed weight 1.0kg

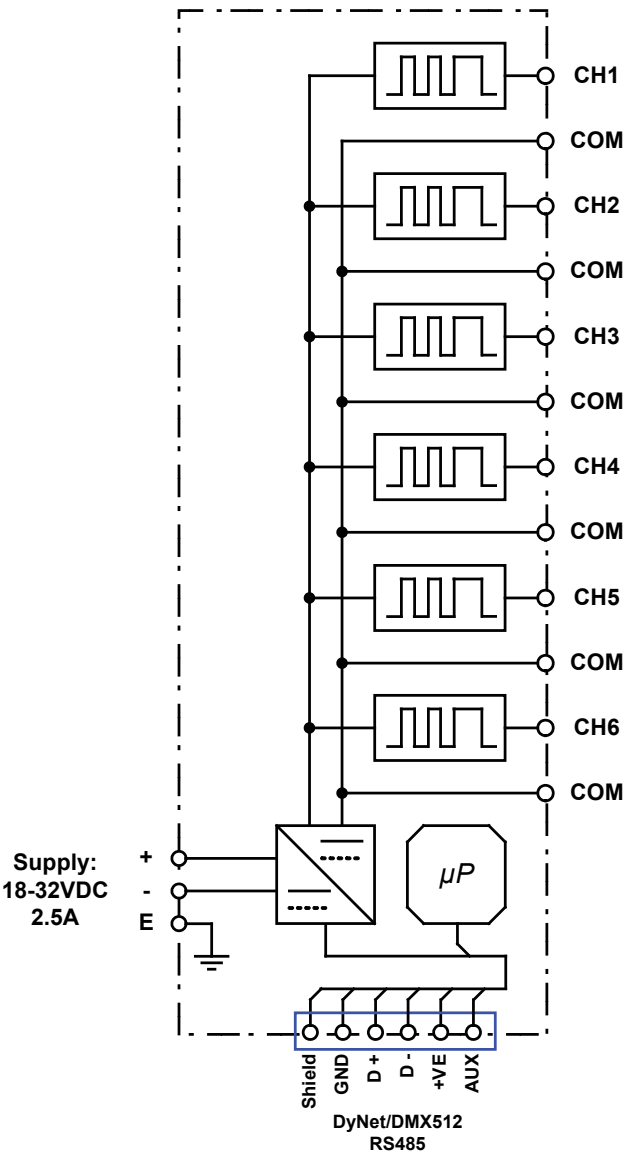
load compatibility

350mA Current Mode Common Anode LED fixtures

PHILIPS
dynalite

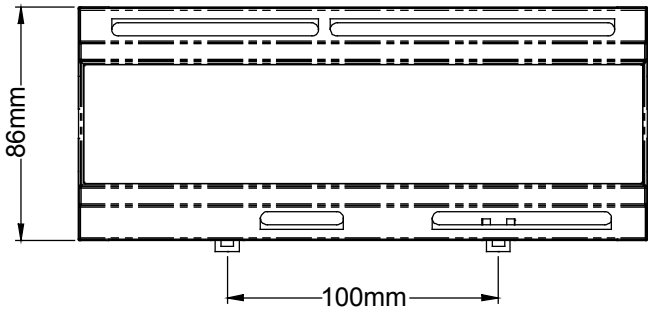
DDLEDC60035
PWM Controller

electrical diagram

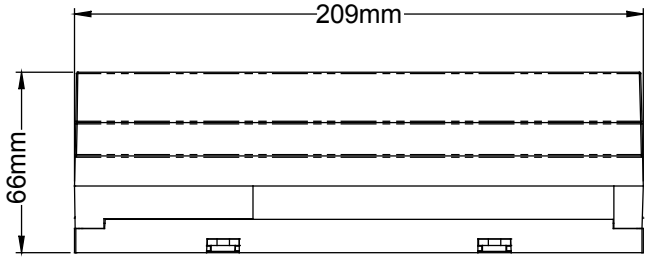


mounting dimensions

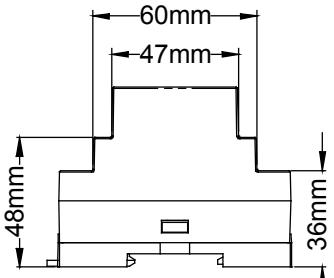
top view



side view



end view



to suit 35mm DIN rail

PHILIPS
dynalite

t +61 2 8338 9899 • f +61 2 8338 9333
www.philips.com/dynalite • info@dynalite-online.com

Supplied by:
lightmoves

Melbourne
03 9701 2500
info@lightmoves.com.au

Sydney
02 9737 8988
www.lightmoves.com.au

DDLEDC60035 Data Sheet Rev I April 2011