

## LightMaster LED Technical Data

### LM300L RGB/Single Colour LED Programmable Controller/Driver

**One fully programmable integrated unit that will control & drive up to 5 metres of RGB LED linear strips (150 individual RGB LED's)**

LM300L can be linked together to allow multiple synchronised effects  
LM300L is fully compatible with our other range of lighting control systems.

Colour sequences designed using powerful Windows based software.  
LM300L can be controlled from a PC or another LightMaster controller.  
We can supply all necessary junction boxes and interconnecting cables, for either internal or external installations.  
External equipment is fully IP68 rated.

#### Specification

24V DC Input, Supplied with external PSU, which is 100-265 AC  
3 Output Channels of 24V at 1 Amp (24Watts) per channel giving 5 metres of linear RGB LED strips (150 LED's)  
Advanced microprocessor control  
16.7 Million available colours  
RGB Colour mixing  
RGB LED built into controller allowing preview of connected light emitters  
RS485, DMX or RS232  
5 Buttons, allow selection of patterns and speeds  
Over current protection on each channel  
IP68 Connectors for fully water proof outdoor installations

### LM300L-HP RGB/Single Colour LED Programmable Controller/Driver.

**One fully programmable high power integrated unit will control & drive up to 35 metres of RGB LED linear strips (2,250 individual RGB LED's)**

LM300L-HP can be linked together to allow multiple synchronised effects  
LM300L-HP is fully compatible with our other range of lighting control systems.

Colour sequences designed using powerful Windows based software.  
LM300L-HP can be controlled from a PC or another LightMaster controller  
We can supply all necessary junction boxes and interconnecting cables, for either internal or external installations.  
External equipment is fully IP68 rated.

#### Specification

100-265V AC Input  
3 Output Channels of 24V (360Watts) at 5 Amps or per channel giving 35 metres of linear RGB LED strips 2,250 RGB LED's)  
Advanced microprocessor control  
16.7 Million available colours.  
RGB Colour mixing,  
RGB LED built into controller allowing preview of connected light emitters  
RS485, DMX or RS232  
19" Rack case for industrial use  
3 Buttons, allow selection of patterns and speeds  
LCD Interface to allow for configuration of LM300L -HP  
Over current protection on each channel,  
Compatible with our external Junction boxes and cables for fully water proof outdoor installations.

### Linear LED Light Bars – For Internal Use

Integrated constant current supply ensuring consistent LED performance  
3 standard lengths — 333mm, 166mm and 86mm complete with interconnecting plugs and sockets Full range of interconnecting cable kits available e.g. light bar light bar for built up letters or for stringing together.  
24V DC input.

#### LSRGB333I - 10 x RGB LED's

Length 333mm x 12mm

Consumes 180 milliamps when all three channels on

#### LS1RGB166I - 5 x RGB LED's

Length 166 x 12mm

Consumes 90 milliamps when Light Bar has all three channels on at once

#### LSRGB86I - 2 x RGB LED's

Length 86mm x 12mm

Consumes 90 milliamps when Light Bar has all three channels on at once

### Linear LED Light Bars – For External Use

Integrated constant current supply ensuring consistent LED performance  
3 standard lengths — 333mm, 166mm and 86mm complete with interconnecting plugs and sockets  
Full range of interconnecting cable kits available e.g. light bar light bar for built up letters or for stringing together  
24V DC input  
IP68 Rated

#### LSRGB333E - 10 x RGB LED's

Length 333mm x 12mm

Consumes 180 milliamps when Light Bar has all three channels on at once

#### LSRGB166E - 5 x RGB LED's

Length 166 x 12mm

Consumes 90 milliamps when Light Bar has all three channels on at once

#### LSRGB86E - 2 x RGB LED's

Length 86mm x 12mm

Consumes 90 milliamps when Light Bar has all three channels on at once

### Linear Single Colour LED Light Bars – For Internal Use

**\*Red, \*Green, \*Blue, \*White, \* Verde Green, \*Yellow, \*Orange**

#### LSS333I\* 10 x LED's

Length 333mm x 12mm

Consumes 60 milliamps

#### LSS166I\* - 5 x LED's

Length 166 x 12mm

Consumes 30 milliamps

#### LSS86I\* - 2 x LED's

Length 86mm x 12mm

Consumes 30 milliamps

### Linear Single Colour LED Light Bars – For External Use

**\*Red, \*Green, \*Blue, \*White, \* Verde Green, \*Yellow, \*Orange**

#### LSS333E\* - 10 x LED's

Length 333mm x 12mm

Consumes 60 milliamps

#### LSS166E\* - 5 x LED's

Length 166 x 12mm

Consumes 30 milliamps

#### LSS86E\* - 2 x LED's

Length 86mm x 12mm

Consumes 30 milliamps

### Light Bar Installation Cable/Junction Box Kits

JB8-LV24 — 8 Way 24v Junction/Distribution Box - IP68

JB11-LV24 — 11 Way 24v Junction/Distribution Box - IP68