

General Labcraft Product Installation Instructions

IMPORTANT: - Please read all instructions prior to installing Labcraft lamps or associated hardware. Instructions for products that require additional more detailed installation information can be found at www.labcraft.co.uk/installation-instructions/.

Input Voltage Range:

Multivoltage products designated by 'MV' in their part number are 10 Volts DC to 32 Volts DC

12V products are rated 10 Volts DC to 15 Volts DC

24V products are rated 20 Volts DC to 30 Volts DC (20 Volts DC to 28 Volts DC for Orizon, Apollo, Nebula, Astro and S19 product range).

Disconnect the electrical supply before commencing installation

WARNING! DO NOT CONNECT TO MAINS VOLTAGE SUPPLY

Electrical Connections:

RED: + Positive VDC

Connect to +VDC fused supply. The fuse rating should be suited to the lamp being installed. For a list of recommended fuse ratings refer to the list on the following page.

BLACK: - Negative ground

Connect to chassis ground.

Electrical connection should made using a fused supply.

The supplied voltage must not exceed the maximum rating of the lamp, the products supply voltage can be found on the product label, product datasheet at www.labcraft.co.uk or by contacting our customer service department on +44 (0) 1799 513434.

Cable of a suitable gauge should be used to avoid voltage drop. If lamps appear dim or are making an audible noise, then the voltage at the lamp should be checked to ensure that the input voltage is within the specifications. The voltage must be measured at the lamp with the lamp/s switched on. Voltage drop will be affected by the load demand on the cable, gauge of cable, and length of cable.

Damaged products should be taken out of service.

CAUTION! DO NOT STARE DIRECTLY INTO LED LIGHT SOURCES

RECCOMENDED FUSE RATINGS

The following list is a recommendation for the fuse ratings that should be fitted in line to each lamp. All fuses should be fast-blow type. If the product you are looking for is not listed then please contact Labcraft customer service team on +44 (0) 1799 513434 or at sales@labcraft.co.uk .

		FUSE RATING IN 12V APPLICATION	FUSE RATING IN 24V APPLICATION
BM2		2A @ 12V	1A @ 24V
BM3		2A @ 12V	1A @ 24V
BM4		2A @ 12V	1A @ 24V
BM6		2A @ 12V	1A @ 24V
CT3_2-3		2A @ 12V	1A @ 24V
DXLED_12		1A @ 12V	1A @ 24V
DXLED_24		2A @ 12V	1A @ 24V
DXLED_36		2A @ 12V	1A @ 24V
EM1CW125	6 LEDs	1A @ 12V	1A @ 24V
EM1CW125	12 LEDs	1A @ 12V	1A @ 24V
EM1CW250	12 LEDs	1A @ 12V	1A @ 24V
EM1CW250	24 LEDs	2A @ 12V	1A @ 24V
EM1CW500	24 LEDs	2A @ 12V	1A @ 24V
EM1CW500	48 LEDs	3A @ 12V	2A @ 24V
EM1CW750	36 LEDs	2A @ 12V	1A @ 24V
EM1CW750	72 LEDs	3A @ 12V	2A @ 24V
EM1CW1000	48 LEDs	3A @ 12V	2A @ 24V
EM1CW1000	96 LEDs	5A @ 12V	3A @ 24V
EM1CW1250	60 LEDs	4A @ 12V	2A @ 24V
EM1CW1250	120 LEDs	6A @ 12V	3A @ 24V
EM1CW2500	120 LEDs	6A @ 12V	3A @ 24V
EM1CW2500	240 LEDs	15A @ 12V	7.5A @ 24V
F250 24 LEDs		2A @ 12V	1A @ 24V
F250 48 LEDs		3A @ 12V	2A @ 24V
F500 48 LEDs		3A @ 12V	2A @ 24V
F500 96 LEDs		5A @ 12V	3A @ 24V
KLLED_12		1A @ 12V	1A @ 24V
KLLED_24		2A @ 12V	1A @ 24V
KLLED_36		2A @ 12V	1A @ 24V
LD101		1A @ 12V	1A @ 24V
LD102		1A @ 12V	1A @ 24V
LEDCW125	6 LEDs	1A @ 12V	1A @ 24V
LEDCW125	12 LEDs	1A @ 12V	1A @ 24V
LEDCW250	12 LEDs	1A @ 12V	1A @ 24V
LEDCW250	24 LEDs	2A @ 12V	1A @ 24V
LEDCW500	24 LEDs	2A @ 12V	1A @ 24V
LEDCW500	48 LEDs	3A @ 12V	2A @ 24V
LEDCW750	36 LEDs	2A @ 12V	1A @ 24V
LEDCW750	72 LEDs	3A @ 12V	2A @ 24V
LEDCW1000	48 LEDs	3A @ 12V	2A @ 24V
LEDCW1000	96 LEDs	5A @ 12V	3A @ 24V

		FUSE RATING IN 12V APPLICATION	FUSE RATING IN 24V APPLICATION
LEDCW1250	60 LEDs	4A @ 12V	2A @ 24V
LEDCW1250	120 LEDs	6A @ 12V	3A @ 24V
LEDCW2500	120 LEDs	6A @ 12V	3A @ 24V
LEDCW2500	240 LEDs	15A @ 12V	7.5A @ 24V
LEDINCW125	6 LEDs	1A @ 12V	1A @ 24V
LEDINCW125	12 LEDs	1A @ 12V	1A @ 24V
LEDINCW250	12 LEDs	1A @ 12V	1A @ 24V
LEDINCW250	24 LEDs	2A @ 12V	1A @ 24V
LEDINCW500	24 LEDs	2A @ 12V	1A @ 24V
LEDINCW500	48 LEDs	3A @ 12V	2A @ 24V
LEDINCW750	36 LEDs	2A @ 12V	1A @ 24V
LEDINCW750	72 LEDs	3A @ 12V	2A @ 24V
LEDINCW1000	48 LEDs	3A @ 12V	2A @ 24V
LEDINCW1000	96 LEDs	5A @ 12V	3A @ 24V
LEDINCW1250	60 LEDs	4A @ 12V	2A @ 24V
LEDINCW1250	120 LEDs	6A @ 12V	3A @ 24V
LEDINCW2500	120 LEDs	6A @ 12V	3A @ 24V
LEDINCW2500	240 LEDs	15A @ 12V	7.5A @ 24V
LL2CW125	6 LEDs	1A @ 12V	1A @ 24V
LL2CW125	12 LEDs	1A @ 12V	1A @ 24V
LL2CW250	12 LEDs	1A @ 12V	1A @ 24V
LL2CW250	24 LEDs	2A @ 12V	1A @ 24V
LL2CW500	24 LEDs	2A @ 12V	1A @ 24V
LL2CW500	48 LEDs	3A @ 12V	2A @ 24V
LL2CW750	36 LEDs	2A @ 12V	1A @ 24V
LL2CW750	72 LEDs	3A @ 12V	2A @ 24V
LL2CW1000	48 LEDs	3A @ 12V	2A @ 24V
LL2CW1000	96 LEDs	5A @ 12V	3A @ 24V
LL2CW1250	60 LEDs	4A @ 12V	2A @ 24V
LL2CW1250	120 LEDs	6A @ 12V	3A @ 24V
LL2CW2500	120 LEDs	6A @ 12V	3A @ 24V
LL2CW2500	240 LEDs	15A @ 12V	7.5A @ 24V
ML2271		1A @ 12V	1A @ 24V
MX3	12 LEDs	1A @ 12V	1A @ 24V
MX3	24 LEDs	2A @ 12V	1A @ 24V
PD1_4-1 EPIR		2A @ 12V	1A @ 24V
PD1_4-1 EMV		2A @ 12V	1A @ 24V
PD1_4-1MV		2A @ 12V	1A @ 24V
PD1_4-3MV		3A @ 12V	2A @ 24V
PD1CW12		1A @ 12V	1A @ 24V
PD2_4-1 EPIR		2A @ 12V	1A @ 24V
PD2_4-1 EPIRMAS		2A @ 12V	1A @ 24V
PD2_4-1 EMV		2A @ 12V	1A @ 24V
PD2_4-1MV		2A @ 12V	1A @ 24V
PD2_4-3MV		3A @ 12V	2A @ 24V

	FUSE RATING IN 12V APPLICATION	FUSE RATING IN 24V APPLICATION
PD3_4-1MV	2A @ 12V	1A @ 24V
PD3_4-1MVPPIR	2A @ 12V	1A @ 24V
PD3_4-3MV	3A @ 12V	2A @ 24V
PD3_4-3MVPPIR	3A @ 12V	2A @ 24V
PD3CW12	1A @ 12V	1A @ 24V
PD3CW24	2A @ 12V	1A @ 24V
PD3CW36	2A @ 12V	1A @ 24V
PD3CW48	3A @ 12V	2A @ 24V
PD4_4-1MV	2A @ 12V	1A @ 24V
PD4_4-1MVPPIR	2A @ 12V	1A @ 24V
PD4_4-3MV	3A @ 12V	2A @ 24V
PD4_4-3MVPPIR	3A @ 12V	2A @ 24V
PD4CW12	1A @ 12V	1A @ 24V
PD4CW24	2A @ 12V	1A @ 24V
PD4CW36	2A @ 12V	1A @ 24V
PD4CW48	3A @ 12V	2A @ 24V
PS3_2-1	1A @ 12V	1A @ 24V
PS3_2-3	2A @ 12V	1A @ 24V
SI3_2-1	1A @ 12V	1A @ 24V
SI3_2-3	2A @ 12V	1A @ 24V
SI3_5-1	3A @ 12V	1A @ 24V
SI3_5-1 PIR	2A @ 12V	1A @ 24V
SI3_6-1	3A @ 12V	1A @ 24V
SI3_6-1 PIR	2A @ 12V	1A @ 24V
SI3_5-3	5A @ 12V	3A @ 24V
SI3_5-3 PIR	4A @ 12V	2A @ 24V
SI3_6-3	5A @ 12V	3A @ 24V
SI3_6-3 PIR	4A @ 12V	2A @ 24V
SI4_6-3	4A @ 12V	2A @ 24V
SI5CW125 6 LEDs	1A @ 12V	1A @ 24V
SI5CW125 12 LEDs	1A @ 12V	1A @ 24V
SI5CW250 12 LEDs	1A @ 12V	1A @ 24V
SI5CW250 24 LEDs	2A @ 12V	1A @ 24V
SI5CW500 24 LEDs	2A @ 12V	1A @ 24V
SI5CW500 48 LEDs	3A @ 12V	2A @ 24V
SI5CW750 36 LEDs	2A @ 12V	1A @ 24V
SI5CW750 72 LEDs	3A @ 12V	2A @ 24V
SI5CW1000 48 LEDs	3A @ 12V	2A @ 24V
SI5CW1000 96 LEDs	5A @ 12V	3A @ 24V
SI6_6-3	5A @ 12V	3A @ 24V
SI7_5-3	4A @ 12V	2A @ 24V
SI8_4-3	3A @ 12V	2A @ 24V
SI9CW24	2A @ 12V	1A @ 24V

	FUSE RATING IN 12V APPLICATION	FUSE RATING IN 24V APPLICATION
SP1_CW6	1A @ 12V	1A @ 24V
SP1_CW12	1A @ 12V	1A @ 24V
SP1_R6	1A @ 12V	1A @ 24V
SP2_CW6	1A @ 12V	1A @ 24V
SP2_CW12	1A @ 12V	1A @ 24V
SP2_R6	1A @ 12V	1A @ 24V
SVCW125 6 LEDs	1A @ 12V	1A @ 24V
SVCW125 12 LEDs	1A @ 12V	1A @ 24V
SVCW250 12 LEDs	1A @ 12V	1A @ 24V
SVCW250 24 LEDs	2A @ 12V	1A @ 24V
SVCW500 24 LEDs	2A @ 12V	1A @ 24V
SVCW500 48 LEDs	3A @ 12V	2A @ 24V
SVCW750 36 LEDs	2A @ 12V	1A @ 24V
SVCW750 72 LEDs	3A @ 12V	2A @ 24V
SVCW1000 48 LEDs	3A @ 12V	2A @ 24V
SVCW1000 96 LEDs	5A @ 12V	3A @ 24V
TI3_2-1	1A @ 12V	1A @ 24V
TI3_2-3	2A @ 12V	1A @ 24V
TI3R_2-1	1A @ 12V	1A @ 24V
TI3R_2-3	2A @ 12V	1A @ 24V
Master PIR Timer Switches		
TS	1A @ 12V	1A @ 24V
TSWP	1A @ 12V	1A @ 24V
TSTI	1A @ 12V	1A @ 24V
TSTIWP	1A @ 12V	1A @ 24V