

## Reaching New Heights in Engineering Excellence

Fulham Lumo Series drivers are built on core engineering design principles for exceptional standards of performance and reliability in LED systems. Highest grade critical components together with design features for thermal management ensure excellent reliability. Low ripple designs create flicker-free lighting and perfectly smooth dimming. Simplicity of specification and installation is a key characteristic of all Fulham Lumo Series drivers, hence the wide voltage and current ranges and industry leading low inrush current.

### Engineered for Performance

- Industry leading efficiency
- Multiple dimming options and output currents
- Very high power factor

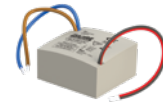
### Engineered for Reliability

- Low inrush current
- Thermal, overload, short circuit and overvoltage protection
- Flicker-free light

### Engineered for Simplicity

- Future-proof flexibility – industry leading voltage and current range enabling seamless support of LED generations and minimizing supply chain complexity

## Non-Dimming | Single Output Current



### L 46 x W 42 x H 22 (mm)

Model Number	Old Reference	Max Watts (W)	Output Current (mA)	Output Voltage (Vdc)	Input Voltage (Vac)
<b>L1MLT0350-5.5C</b>	L05150	5.5	350	3 - 15	100 - 240 (50/60 Hz)
<b>L1MLT0680-6.5C</b>	L05050	6.5	680	3 - 12	100 - 240 (50/60 Hz)



### L 110 x W 52 x H 24 (mm)

Model Number	Old Reference	Max Watts (W)	Output Current (mA)	Output Voltage (Vdc)	Input Voltage (Vac)
<b>L1MLT0700-20E</b>	L05013	20	700	3 - 33	115 - 240 (50/60 Hz)
<b>L1MLT1050-20E</b>	L05013-1050	20	1050	3 - 19	115 - 240 (50/60 Hz)
<b>L1MLT1200-20E</b>	L05013-1200	20	1200	3 - 17	115 - 240 (50/60 Hz)
<b>L1MLT0350-17E</b>	L05013-48350	20	350	3 - 48	115 - 240 (50/60 Hz)
<b>L1MLT0500-20E</b>	L05013-40500	20	500	3 - 40	115 - 240 (50/60 Hz)
<b>L12300700-33E</b>	L05033-48700	33	700	30 - 48	220 - 240 (50/60 Hz)

## Non-Dimming | Multiple Output Currents



### L 99 x W 39 x H 23 (mm)

Model Number	Old Reference	Max Watts (W)	Output Current (mA)	Output Current Selection Method	Output Voltage (Vdc)	Input Voltage (Vac)
<b>L1MLT025S-10E</b>	L05020-40250	11	200/250	Output wires	20 - 43	115 - 240 (50/60 Hz)
<b>L1MLT070S-12E</b>	L05020	12	350/700	Output wires	3 - 32	115 - 240 (50/60 Hz)
<b>L1MLT039S-12E</b>	L05020-390	12	270/390	Output wires	3 - 32	115 - 240 (50/60 Hz)
<b>L1MLT050S-12E</b>	L05020-500	12	500/700	Output wires	3 - 24	115 - 240 (50/60 Hz)
<b>L1MLT030S-12E</b>	L05020-40300	12	180/300	Output wires	20 - 43	115 - 240 (50/60 Hz)



### L 110 x W 52 x H 24 (mm)

Model Number	Old Reference	Max Watts (W)	Output Current (mA)	Output Current Selection Method	Output Voltage (Vdc)	Input Voltage (Vac)
<b>L1LDC070S-20E</b>	L05030	20	250/700	Dipswitch	3 - 27	17 - 32 (50/60 Hz)
<b>L1MLT140S-20E</b>	L05012	20	350 - 1400	Potentiometer	3 - 33	115 - 240 (50/60 Hz)
<b>L1MID105S-33E</b>	L05032R	33	500 - 1050	Resistor	15 - 48	180 - 240 (50/60 Hz)



### L 157 x W 42 x H 32 (mm)

Model Number	Old Reference	Max Watts (W)	Output Current (mA)	Output Voltage (Vdc)	Input Voltage (Vac)
<b>L1MLT140S-40E</b>	L05044	40	300 - 1400	15 - 32	110 - 240 (50/60 Hz)
<b>L1MLT105S-40E</b>	L05049-601000-ND	40	245 - 1050	26 - 60	220 - 240 (50/60 Hz)

**NEW**

# Universal Mains Dimming LED Driver L1V1230105S (L05023)

20/25W, 3-43Vdc, 100-1050mA

A versatile driver with small form factor and a wide voltage output range ideally suited for COB arrays and LED strips.



- Wide output voltage range 3-43Vdc
- Wide range of current settings 100 – 1050mA
- Mains- (TRIAC, trailing edge and leading edge), 1-10V-, and potentiometer dimming
- Compatible with Fulham SmartSet programming platform (TPSB-100 handheld controller)
- Zero ripple current
- Automatic dim mode detection
- Suitable for warm dimming (natural toning/dim-to-warm) LEDs
- Max inrush current 300 mA
- Thermal protection: dimming instead of switch off
- Open circuit output voltage protection
- High efficiency across a wide range of loads
- Power factor >0.9C
- ENEC certified, SELV

## Dimming | Multiple Output Currents

### L 99 x W 39 x H 23 (mm)



Model Number	Old Reference	Max Watts (W)	Output Current (mA)	Output Current Selection Method	Output Voltage (Vdc)	Input Voltage (Vac)	Dimming Type
L1E1230025S-10E	L05021-40250	10	200/250	Output wires	20 - 40	220 - 240 (50/60 Hz)	Mains Dimmable
L1E1230070S-12E	L05021	12	350/700	Output wires	3 - 32	220 - 240 (50/60 Hz)	Mains Dimmable
L1E1230030S-12E	L05021-40300	12	180/300	Output wires	20 - 40	220 - 240 (50/60 Hz)	Mains Dimmable
L1E1230070S-12E(Z)	L05021E	12	350/700	Output wires	3 - 32	220 - 240 (50/60 Hz)	Mains Dimmable

### L 110 x W 52 x H 24 (mm)



Model Number	Old Reference	Max Watts (W)	Output Current (mA)	Output Current Selection Method	Output Voltage (Vdc)	Input Voltage (Vac)	Dimming Type
L1M1MLT105S-20E	L05011i	20	350/700/1050	Dipswitch	3 - 33	110 - 240 (50/60 Hz)	1-10V/puls
L1W1MID120D-20E	L05011i2	20	100 - 1200	Dipswitch	6 - 42	180 - 240 (50/60 Hz)	1-10V/puls
L1W1MLT500S-20E	L05016Ci	20	110 - 500	Potentiometer	3 - 43	110 - 240 (50/60 Hz)	1-10V/puls
L1W2MLT600S-20E	L05016Cid	20	1 Ch: 200 - 600 2 Ch: 100 - 300 each	Potentiometer	3 - 43	110 - 240 (50/60 Hz)	1-10V/puls
L1W2MLT100S-20E	L05016i	20	110 - 500	Potentiometer	3 - 33	110 - 240 (50/60 Hz)	1-10V/puls
L1M2LDC0350-20E	L05035	20	2 Ch: 300 each	N/A	3 - 27	12 - 32 (50/60 Hz)	1-10V/puls
L1V1230105S-20E	L05023-20	20	100 - 1050	Dipswitch/ TPSB-100	3 - 43	220 - 240 (50/60 Hz)	Mains-, 1-10V-, and Potentiometer dimming
L1V1230105S-A	L05023-A	25	100 - 1050	Dipswitch/ TPSB-100	3 - 43	220 - 240 (50/60 Hz)	Mains-, 1-10V-, and Potentiometer dimming
L1M1MID120S-24E	L05011i3	20 24	200 - 1200 600 - 900	Dipswitch	6 - 42	180 - 240 (50/60 Hz)	1-10V
L1P1MID120S-24E	L05011i4	20 24	200 - 1200 600 - 900	Dipswitch	6 - 42	180 - 240 (50/60 Hz)	puls
L1W1MID140S-30E	L05031	30	100 - 1400	Dipswitch	6 - 42	180 - 240 (50/60 Hz)	1-10V/puls

## Dimming | Multiple Output Currents



### L 157 x W 42 x H 32 (mm)

Model Number	Old Reference	Max Watts (W)	Output Current (mA)	Output Current Selection Method	Output Voltage (Vdc)	Input Voltage (Vac)	Dimming Type
L1A1MID100S-30E	L05025	30	100 - 1000	Resistor	7 - 43	160 - 240 (50/60 Hz)	DALI
L1A1MID100S-40E	L05040	40	100 - 1000	Resistor	7 - 55	160 - 240 (50/60 Hz)	DALI
L1M1MLT140S-40E	L05045	40	300 - 1400	Resistor	15 - 32	110 - 240 (50/60 Hz)	1-10V
L1M1MLT105S-40E	L05049-601000	40	245 - 1050	Resistor	26 - 60	110 - 240 (50/60 Hz)	1-10V
L1M1230200S-60E	L05055	60	400 - 2000	Resistor	22-46	220 - 240 (50/60 Hz)	1-10V
L1M1230140S-60E	L05059	60	280-1400	Resistor	18-60	220 - 240 (50/60 Hz)	1-10V



### L 212 x W 76 x H 46 (mm)

Model Number	Old Reference	Max Watts (W)	Output Current (mA)	Output Current Selection Method	Output Voltage (Vdc)	Input Voltage (Vac)	Dimming Type
L1M1MLT280S-100E	L05060	100	700 - 2800	Resistor	20-60	110 - 240 (50/60 Hz)	1-10V
L1M1MLT400S-150E	L05065	150	700 - 4000	Resistor	24-60	90 - 240 (50/60 Hz)	1-10V

## Constant Voltage Output



### L 110 x W 52 x H 24 (mm)

Model Number	Old Reference	Max Watts (W)	Max Current (mA)	Output Voltage (Vdc)	Input Voltage (Vac)	Dimming Type
L1M1MLT105S-20E	L05011i	20	1050	10/12/24	220 - 240 (50/60 Hz)	1-10V/puls
L1W1MID120D-20E	L05011i2	20	1200	6 - 42 options	220 - 240 (50/60 Hz)	1-10V/puls
L1LDC070S-20E	L05030	20	1200	4 - 24 options	17 - 32Vdc (50/60 Hz)	Non-Dimmable
L1K1MID024V-25E	L05032-24CV1050	25	1050	24	220 - 240 (50/60 Hz)	Potentiometer



### L 157 x W 42 x H 32 (mm)

Model Number	Old Reference	Max Watts (W)	Max Current (mA)	Output Voltage (Vdc)	Input Voltage (Vac)	Dimming Type
L1MLT024V-36E	L05046	36	1500	24	110 - 240 (50/60 Hz)	Non-Dimmable
L1230024V-48E	L05058-24CV2000	48	2200	24	220 - 240 (50/60 Hz)	Non-Dimmable

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