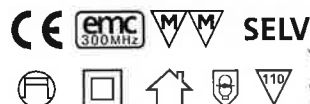
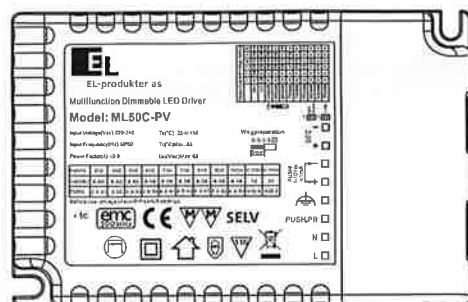


ML50C-PV



EL-produkter as 50W Dimmable LED Driver



EN
Instruction
MI180314A1

FEATURE

- Flicker-free for whole dimming range
- Stand-by power below 0.5W
- Primary & secondary dimming with push button
- 1-10V dimming
- Dim via a 100kΩ potentiometer
- Protection: short circuit / over temperature/ over voltage
- Dimming level memory at mains restores
- 5-year warranty

CONNECTION

1. Start with setting the output current. The current can be easily configured by choosing the correct combination of the DIP switches (see table, Fig. F).
2. Connect the luminaires to the driver according to the wiring diagram (see Fig. A, B or C).

PUSH BUTTON SWITCH FOR DIMMING (SEE WIRING DIAGRAM, FIG A, B)

- Primary push dimming is always active.
- On/off: short push (120ms~1sec) on the switch.
- Stepless dimming: long push(>1sec) on the switch.
- Secondary push dimmer is active when the jumper is on J2.
- Synchronization: Up to 15 drivers can be connected to the same switch.

SYNCHRONIZATION OF DRIVERS

1. Press and hold the button for at least 15 sec.
2. The driver starts the light at 50%light level, the system is now synchronized.

1-10V DIMMING (SEE WIRING DIAGRAM, FIG C)

- When the signal is less than 0.8V, the driver turns off, see Fig D.
- Resetting of driver: Short-circuit the 1-10V interface, then turn on the power to the driver for at least 5 seconds. Turn off the power to the driver and disconnect the short-circuit on the 1-10V interface. The driver is now reset.

Notel When push dimming has been used, the 1-10V is inactive.

FACTORY SETTING

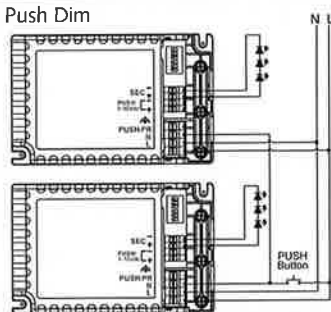
1-10V dimming is active and jumper is in J1.

Warning: Please make sure the correct current is set before starting the driver!

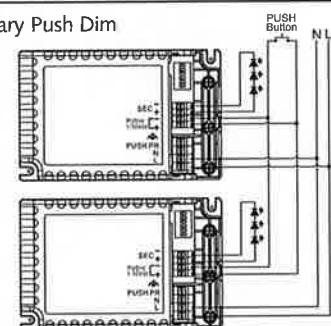
SPECIFICATIONS

Model	ML50C-PV, 1x50W
Rated voltage	220-240V AC, 50/60Hz
Rated current	0.26A (max)
Output voltage	68V DC (max)
Operating temperature	Ta: 50°C Tc: +85°C
Output current / voltage & load	350mA 6-60V DC 2.1-21W; 500mA DC 6-60V 3.0-30W 550mA 6-60V DC 3.3-33W; 650mA DC 6-58V 3.9-38W 700mA 6-58V DC 4.2-41W; 750mA DC 6-56V 4.5-43W 850mA 6-56V DC 5.1-47W; 900mA DC 6-56V 5.4-50W 1050mA 6-48V DC 6.3-50W; 12V DC 0-1050mA 0-12.6W 24V DC 0-1050mA 0-25.2W
Abnormal protection	Output short-circuit protection with auto reset
Overheating protection	Overheating protection with auto-reset
EMC standard	EN55015, EN61547
Safety standard	EN61347-1, EN61347-2-13
Certification	Semko, CE
Dims	See Fig. E
IP rating	IP20

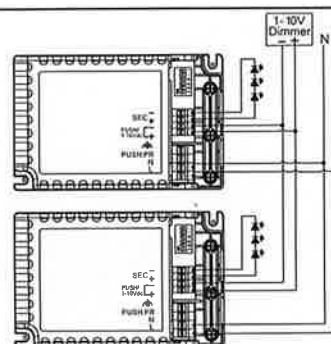
A Primary Push Dim



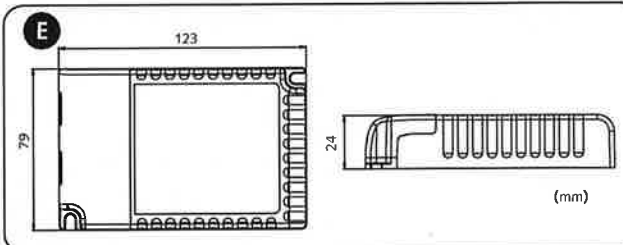
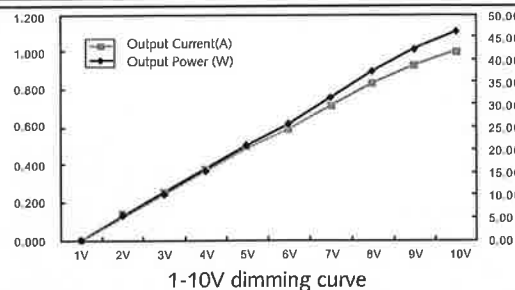
B Secondary Push Dim



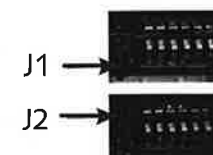
C 1-10V



D



F Output current/voltage setting



	1	2	3	4	5	6
24V	-	ON	ON	ON	ON	ON
12V	ON	-	ON	ON	ON	ON
1050mA	-	-	ON	ON	ON	ON
900mA	-	-	ON	ON	ON	-
850mA	-	-	ON	ON	-	ON
750mA	-	-	-	ON	ON	-
700mA	-	-	ON	ON	-	-
650mA	-	-	ON	-	-	ON
550mA	-	-	-	ON	-	-
500mA	-	-	ON	-	-	-
350mA	-	-	-	-	-	-