

## MLDW4835

### Linear LED DRIVER (Dimable)

Output : 5-48VDC-700mA Dual Channel

### RIPPLE FREE



#### Areas of application

- Suitable for indoor installations
- Suitable for luminaires of protection classes I and II
- Wi fi and Blue tooth compatible CCT (Tunable White)



#### Product benefits

- Wide Operating Range 100~264VAc
- O/P overload-S/C, over temperature
- High efficiency and reliability,
- High Quality branded Components for better reliability
- Small PCFR-White housing.
- ATHD<10 %,Efficiency >85%.

#### Product features

- Supply voltage: 220...240 VAc
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 100...264 VAc
- Safety according to EN 61347-1, 61347-2-13, 62384
- EMI CE suppression: to EN 55015A
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 50,000 h (temperature at  $T_c = 65^\circ\text{C}$ , max. 10 % failure rate)

# Product datasheet

## Technical data

### Electrical data

Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	100... 300 Vac
Total harmonic distortion	<10%
Power factor	>0.96
ECG efficiency	>86%
Device power loss	<4.0 W
Inrush current	COLD START 20A(twidth=260 us measured at 50% Ipeak) at 230VAc
Surge capability (L/N-Ground)	2.5 kV

### Available Options:

Sr.No	Input Specifications	Output Specifications	Cat. No.
1	100-290VAc	5-48VDc 350mA (White+W.White)	MLDW4815
2	100-290VAc	5-48VDc 500mA (White+W.White)	MLDW4824
3	100-290VAc	5-48VDc 700mA (White+W.White)	MLDW4835

### Dimensions & weight



Length	210mm
Width	40mm
Height	28mm
Mounting hole spacing, length	200mm

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Mounting hole spacing, width	4.0 mm
Product weight	145.00 gm
Cable cross-section, input side	0.5...1.5 mm <sup>2</sup>
Cable cross-section, output side	0.5...1.5 mm <sup>2</sup>
Wire preparation length, input side	6.5...7.5 mm
Wire preparation length, output side	6.5...7.5 mm

### Colors & materials

Casing material	PC FR 94V0 White
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### Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 %

### Lifespan

ECG lifetime	min 30,000 h*
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\* At T<sub>case</sub> = 65°C at T<sub>c</sub> point / 10% failure rate

### Additional product data

Encapsulated	No
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### Capabilities

Dimmable	YES
Overheating protection	Auto-recovery
No Lamp protection	Auto-recovery
Short-circuit protection	Auto-recovery
Input Fuse Protected	Yes
Max. cable length to lamp	1 meter
Suitable for fixtures with prot. class	Class II
Type of connection, output side	Screw terminal

### Certificates & standards







Approval marks – approval	CE
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 61000-3-3
Type of protection	IP20

# Product datasheet

## Logistical data

Temperature range at storage	-18.. 65 °C
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### Download Data

File
 Product Data sheet.pdf
 Brochure
 ROHs & WEEE Decl.pdf
 EMI-CE report.pdf
 EFT Test Report.pdf
 CAD data.zip

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Box)	Dimensions (length x width x Volume height)	Gross weight
MLDW4835	CONSTANT CURRENT LED DRIVER	Per tray 20pc	240 mm x 210 mm x 80 mm	3.16 kg
MLDW4835	CONSTANT CURRENT LED DRIVER	Shipping carton box100/Box (5 Trays/Box)	240 mm x 210 mm x 80 mm 3.70 dm³	19.00 Kg

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

### Ordering Information:

<b>M</b>	<b>L</b>	<b>D</b>	<b>W</b>	<b>4</b>	<b>8</b>	<b>3</b>	<b>5</b>
MELCON	LED	C-Constant F-Flicker Free D- Dimming M- Master S- Slave N- Non-Isolated	A- Analog Dim B-Bluetooth C-Current D-Dali Dim P-PWM Dim R-Potentiometer S-Switch(AOI) T-Triac Dim V-Voltage W-Wi-Fi Z-Zigbee	O/P Voltage		O/P Power	



Smart Life



### Version Change History:

Sr.	Revision	Notes	Date