

MyriaMesh Building Light Control

Productsheet MEAN WELL LED Driver LCM-40MM



“If you control the light, you control the building”

Turn any light infrastructure into a smart LED lighting system with the MEAN WELL LED Driver LCM-40MM

The LCM-40MM LED driver is a wirelessly controllable and dimmable LED driver. It replaces traditional dimmable drivers and is the simplest solution for instant, wireless control of your lighting fixtures. The LCM-40MM LED driver is easy to install with no additional control cables required.

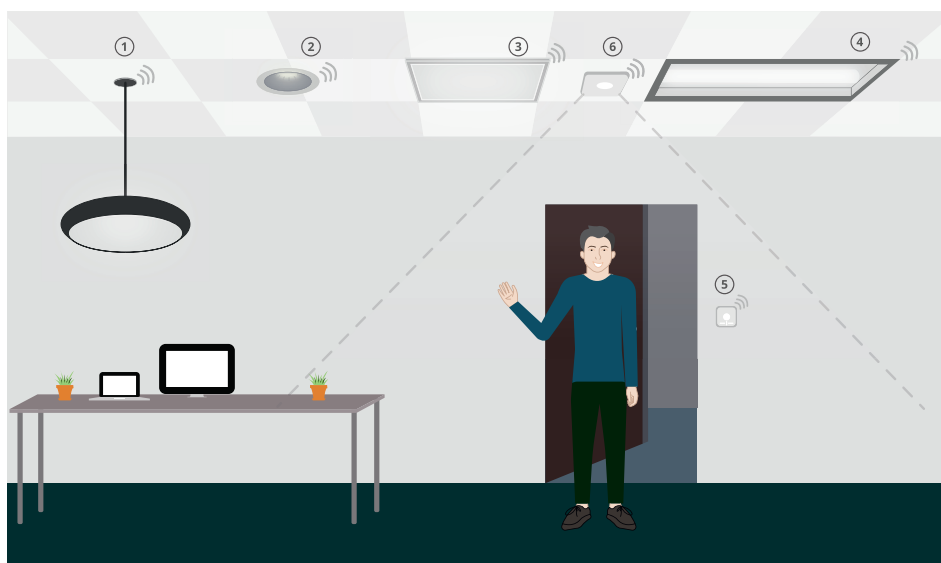
With the MyriaMesh Building Light Control module integrated in the driver it is instantly connected to the MyriaMesh network and wirelessly controllable. The LCM-40MM LED driver enables switching, dimming, scenes and can be connected to a third party management system. Our driver is ideal for those who seek high energy savings with minimal installation time and costs.

Easy installation

The LED driver is easy to install due to accessible design. The smart drivers can be connected to all luminaires with a maximum of 40W. The LCM-40MM is a multiple-stage constant current driver, where selection of output current is chosen through DIP switches.

MyriaMesh Building Light Control

MyriaMesh Building Light Control is a wireless light control system that can be applied with any make and type lighting fixture as shown in the image below. Our MyriaMesh Building Light Control system makes use of smart control devices like a driver or controller for lighting fixtures and smart LED tubes (Nr. 1-4). A wireless switch (Nr. 5) and sensor (Nr. 6) are applied for automatic and manual control options. All components automatically form a strong, mesh network.



Design luminaire 	Downlighter 	Led panel 	T8 Led tube
Remote Switch 	Multi-Sensor 	Simple installation 	Data services business model

Features

- Set the current by using a dip switch to choose from multiple levels
- Set max light level on power-up
- Up to 80% energy savings with light control
- Dimming and switching
- On-the-fly (re)commissioning with the MyriaMesh app for iPad
- Connect to third party backoffice/ light management system

Network features

- Wireless, stand-alone network that is self-organizing and self-healing
- 2.4GHz communication for reliable data transfer
- Secure by design
- Ultra-scalable to >10.000 fixtures in one network
- Low operational cost

Note:

- The LCM-40MM LED driver productsheet is subject to change.
- V0.2 11/07/2018

Technical specifications

Technical specifications are derived from the MEAN WELL LCM-40 Series specification. For more technical details we refer to MEAN WELL's specification document which can be found on our website: www.chess-wise.eu/en/downloads.

General parameters

Dimensions (L x W x H)	123.5 x 81.5 x 23mm
Weight	approx. 240gr
Protection degree	IP20
Connections	Push type connections
Ambient temperature	-25°C ~ +40°C at 40V, 1.05A -25°C ~ +50°C at 45-100V, 0.9-0.35A
Tc	+90°C
Humidity	20 .. 90%
Height	<2.000m
Certification	CE Marking

Wireless control parameters

Radio	2.4Ghz ISM band
Dimmable	6% - 100%
initial light level	0 - 100%
Fade time	100ms - seconds
Groups	8

Order information

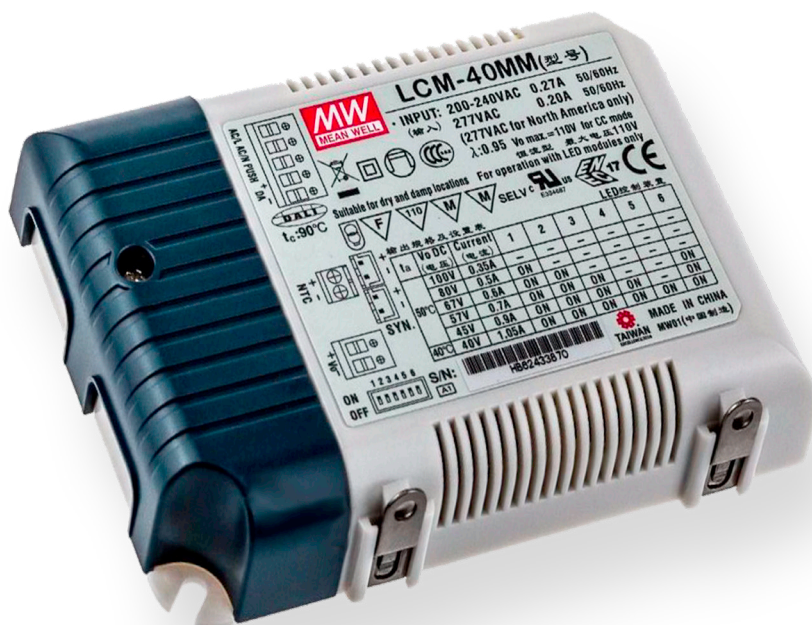
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Electrical Specification

Input voltage	180-295 VAC
Power	max 40W
Power factor	>0.975 nominal load
Efficiency	91% (500mA/80v)
Standby power	<0.5W
Max inrush current	Cold Start 20A (twidth=260µs measured at 50% Ipeak) at 230VAC
Constant current	350mA - 1050mA (adjustable with dip switch)
Output voltage	2-100V

Protection

Over voltage protection	Yes, see LCM-40 spec.
Max temperature protection	Yes
Short-circuit protection	Yes



Contact information:
www.chess-wise.eu
info@chess-wise.eu
Tel: +31 (0)23 51 49 149

Visiting address:
Chess Wise BV
Richard Holkade 8A
2033 PZ HAARLEM
The Netherlands

Shipping address:
Chess Wise BV
Oorkondelaan 65
2033 MN Haarlem
The Netherlands

Trade information:
Chamber of Commerce: KvK 59280719
IBAN: NL36RABO 0140 0676 98
Swift: RABONL2U
VAT: NL853402723B01