

# LCM series 25~60W

## Features

- Constant current mode
- LCM-25: 180~277VAC input only  
LCM-40/60: 180~295VAC input only
- Multiple-stage output current level selectable by DIP switch
- No load power consumption <0.5W (LCM-25/25DA/40DA/60DA)
- Class II power unit, no F.G.
- Built-in 3 in 1 dimming function, 0~10VDC, PWM signal, or resistance (non DA-Type)
- Wireless driver with integrated EnOcean for LCM-40EO/60EO (by request)
- Built-in DALI interface and push dimming function (DA/DA2 type)
- 12V/50mA auxiliary output for LCM-40/60 (LCM-40DA/60DA by request)
- Temperature compensation function by external NTC (40W/60W only)
- Power supplies synchronization function up to 10 units
- Built-in Bluetooth mesh wireless dimming for IoT types
- Protections: Short circuit / Over voltage (40W/60W only) / Over temp.
- 3 years warranty

	INPUT		OUTPUT		LCM-25/40/60(DA/DA2/IOT)	LCM-40EO/60EO
	25W/40W/60W	25W	40W/60W			
Non-DA Type						
DA-Type						By request

AC input voltage range	180~277VAC; 254~380VDC(LCM-25), 180~295VAC; 254~417VDC(LCM-40/60)
AC inrush current (Typ.)	Cold start, 20A at 230VAC
Short circuit protection	Constant current limiting, recovers automatically after fault condition is removed
Over voltage protection	LCM-40/40DA: 110~130VDC, LCM-60/60DA: 105~125VDC
Setup time	500ms / 230VAC
Total harmonic distortion	THD<20%
Wireless protocol	EnOcean standard 868MHz for European (EO-Type)
Withstand voltage	I/P-O/P: 3.75KVAC
Working temperature	Tcase= -30~+85°C   Tcase= -30~+90°C
Safety standards	UL8750(except for DA2-Type), CSA C22.2 No.250.13-12, ENEC BS EN61347-1, BS EN61347-2-13, BS EN62384 independent, GB19510.14, GB19510.1, BIS IS15885(except for DA2-Type), EAC TP TC 004 approved; According to BS EN61347-2-13appendix J suitable for emergency installations
DALI standards	EC62386-101, 102, 207,251(DA2 Type only)
EMC standards	BS EN55015, BS EN61000-3-2 class C, BS EN61000-3-3, BS EN61000-4-2,3,4,5,6,8,11, BS EN61547, GB17625.1, GB17743, EAC TP TC 020
Dimension (LxWxH)(mm)	105x 68x 23 (LCM-25), 123.5x 81.5x 23(LCM-40/60)

### LCM-25 Series

Output	Io Tol.	Io Ripple	Effi.
350mA, 6~54V	±5%	5% (max.)	86%
500mA, 6~50V			
600mA, 6~42V			
700mA, 6~36V (Factory setting)			
900mA, 6~28V			
1050mA, 6~24V			

### LCM-40 Series

Output	Io Tol.	Io Ripple	Effi.
700mA, 2~57V (Factory setting)	±5%	5% (max.)	91%
900mA, 2~45V			
1050mA, 2~40V			

### LCM-40 Series

Output	Io Tol.	Io Ripple	Effi.
350mA, 2~100V	±5%	5% (max.)	91%
500mA, 2~80V			
600mA, 2~67V			

### LCM-60 Series

Output	Io Tol.	Io Ripple	Effi.
500mA, 2~90V	±5%	5% (max.)	92%
600mA, 2~90V			
700mA, 2~86V (Factory setting)			
900mA, 2~67V			
1050mA, 2~57V			
1400mA, 2~42V			

## LCM-25/40/60 Series







### Multi-Dimming Function LED Driver and Wireless IoT Solutions

- 0-10V
- PWM
- Resistance
- Push Dimming
- DALI / DALI 2.0
- EnOcean
- KNX
- PIR
- Bluetooth Mesh
- WiFi.....and so on

# LCM-U series 40~60W

## Features

- Constant current mode
- 90~132VAC input only
- Multiple-stage output current level selectable by DIP switch
- Class II power unit, no F.G.
- Built-in 3 in 1 dimming function, 0~10VDC, PWM signal, or resistance (non DA-Type)
- Wireless driver with integrated EnOcean for LCM-40EO/60EO (by request)
- Built-in DALI interface and push dimming function (DA-Type)
- 12V/50mA auxiliary output for LCM-40U/60U (LCM-40UDA/60UDA by request)
- Temperature compensation function by external NTC
- Power supplies synchronization function up to 10 units
- Suitable for indoor LED lighting applications
- Protections: Short circuit / Over voltage / Over temp.
- 3 years warranty

	LCM-40U(DA)/60U(DA)		LCM-40UEO/60UEO	
	<b>INPUT</b>	<b>OUTPUT</b>		
Non-DA Type				
DA-Type				By request
AC input voltage range	90~132VAC ; 127~186VDC			
AC inrush current (Typ.)	Cold start, 15A at 230VAC			
Short circuit protection	Constant current limiting, recovers automatically after fault condition is removed			
Over voltage protection	LCM-40U(DA): 110~130VDC, LCM-60U(DA): 105~125VDC			
Over temperature protection	Shut down o/p voltage, auto-recovery or re-power on to recover			
Setup time	1000ms / 115VAC			
Total harmonic distortion	THD<20%			
Wireless protocol	EnOcean standard 902MHz for USA/Canada (EO-Type)			
Withstand voltage	I/P-O/P: 3.75kVAC			
Working temperature	Tcase= -30~+90°C			
Safety standards	UL8750 approved			
DALI standards	Comply with IEC62386-101, 102, 207 (DA-Type only)			
EMC standards	FCC part 15			
Dimension (LxWxH)(mm)	123.5x 81.5x 23			

## LCM-40U Series

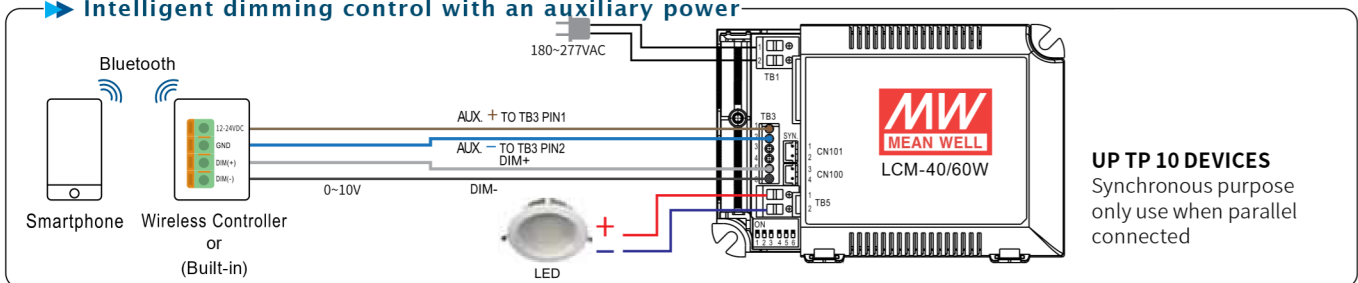
Output	Io Tol.	Io Ripple	Effi.	DIP Switch					
				1	2	3	4	5	6
350mA, 2~100V	±5%	5% (max.)	87.5%	----	----	----	----	----	----
500mA, 2~70V				ON	----	----	----	----	----
600mA, 2~59V				ON	ON	----	----	----	----
700mA, 2~50V (Factory setting)				ON	ON	ON	----	----	ON
900mA, 2~39V				ON	ON	ON	ON	----	ON
1050mA, 2~34V				ON	ON	ON	ON	ON	ON

## LCM-60U Series

Output	Io Tol.	Io Ripple	Effi.	DIP Switch					
				1	2	3	4	5	6
500mA, 2~90V	±5%	5% (max.)	89%	----	----	----	----	----	----
600mA, 2~84V				ON	----	----	----	----	----
700mA, 2~72V (Factory setting)				ON	ON	----	----	----	----
900mA, 2~56V				ON	ON	ON	----	----	ON
1050mA, 2~48V				ON	ON	ON	ON	----	ON
1400mA, 2~36V				ON	ON	ON	ON	ON	ON

▶ LCM-40U/60U are primary models with 0~10VDC, PWM or resistance signal dimming function.

### Intelligent dimming control with an auxiliary power



# LCM-KN series 25~60W

## Features

- Constant current mode output
- KNX protocol
- Multiple-stage output current level selectable by DIP switch
- support emergency lighting(EL)
- Integrated constant light output
- Integrated KNX push button interface
- synchronization up to 10units
- Multiple models for choice:
  - Blank-Type: KNX and push dimming, with standby power consumption<0.5W
  - AUX-Type: KNX and push dimming, with standby power consumption<1.2W and Auxiliary DC output
- Protections: Short circuit / Over voltage / Over temp.
- 3 years warranty

		LCM-25KN	LCM-40KN	LCM-60KN
INPUT				
	OUTPUT			
AC input voltage range		180 ~ 277VAC; 220 ~ 417VDC	180 ~ 295VAC; 220 ~ 417VDC	
AC inrush current (Typ.)		COLD START, 20A at 230VAC; Per NEMA 410		
Short circuit protection		Constant current limiting, recovers automatically after fault condition is removed		
Over voltage protection		---	110 ~ 130V	105 ~ 125V
Over temperature protection		Shutdown o/p voltage, re-power on to recover		
Setup time		500ms / 230VAC		
Total harmonic distortion		THD< 20%		
Withstand voltage		I/P-O/P:3.75KVAC		
Working temperature		Tcase= -30~+85°C(Please refer to "OUTPUT LOAD vs TEMPERATURE" section)	Tcase=-30~+90°C(Please refer to " OUTPUT LOAD vs TEMPERATURE" section)	
Safety standards		CSA C22.2 No.250.13-12(LCM-25KN only); ENEC BS EN61347-1, BS EN61347-2-13, BS EN62384 independent, GB19510.14,GB19510.1, EAC TP TC 004 approved		
KNX standards		Certified protocol		
EMC standards		BS EN55015, BS EN61000-3-2 Class C(@load≥40%); BS EN61000-3-3; GB17625.1,GB17743, BS EN61000-4-2,3,4,5,6,8,11, BS EN61547, light industry level(surge immunity Line-Line 2KV), EAC TP TC 020		
Dimension (LxWxH)(mm)		105x 68x 23	123.5x 81.5x 23	

## LCM-25KN Series



Output	Io Tol.	Io Ripple	Effi.	DIP Switch					
				1	2	3	4	5	6
350mA, 6~54V	±5%	5% (max.)	86%	----	----	----	----	----	----
500mA, 6~50V				ON	----	----	----	----	----
600mA, 6~42V				ON	ON	----	----	----	----
700mA, 6~36V (Factory setting)				ON	ON	ON	----	----	ON
900mA, 6~28V				ON	ON	ON	ON	----	ON
1050mA, 6~24V				ON	ON	ON	ON	ON	ON

## LCM-40KN Series



Output	Io Tol.	Io Ripple	Effi.	DIP Switch					
				1	2	3	4	5	6
350mA, 2~100V	±5%	5% (max.)	90%	----	----	----	----	----	----
500mA, 2~80V				ON	----	----	----	----	----
600mA, 2~67V				ON	ON	----	----	----	----
700mA, 2~57V (Factory setting)				ON	ON	ON	----	----	ON
900mA, 2~45V				ON	ON	ON	ON	----	ON
1050mA, 2~40V				ON	ON	ON	ON	ON	ON

## LCM-60KN Series



Output	Io Tol.	Io Ripple	Effi.	DIP Switch					
				1	2	3	4	5	6
500mA, 2~90V	±5%	5% (max.)	91%	----	----	----	----	----	----
600mA, 2~90V				ON	----	----	----	----	----
700mA, 2~86V (Factory setting)				ON	ON	----	----	----	----
900mA, 2~67V				ON	ON	ON	----	----	ON
1050mA, 2~57V				ON	ON	ON	ON	----	ON
1400mA, 2~42V				ON	ON	ON	ON	ON	ON