













# LCM series

## 25~60W Multiple-Stage Output Current LED Power Supply

### Features

- Output current level selectable by DIP switch
- LCM-25(DA): 180~277VAC input only  
LCM-40(DA)/60(DA): 180~295VAC input only
- Built-in active PFC function
- Protections: Short circuit / Over voltage (40W/60W only) / Over temp.
- Cooling by free air convection
- Fully isolated plastic case
- No load power consumption <0.5W (LCM-25/25DA/40DA/60DA)  
No load power consumption <1W (LCM-40/60)
- Class II power unit, no F.G.
- Logarithm or linear dimming curve selectable (meet IEC62386-207)
- Built-in 0~10Vdc and PWM signal dimming function (non DA-Type)
- Built-in DALI interface and push dimming function (DA-Type)
- 12V/50mA auxiliary output for LCM-40/60 (optional for LCM-40DA/60DA)
- Temperature compensation function by external NTC (40W/60W only)
- Power supplies synchronization function up to 10 units
- Suitable for indoor LED lighting applications
- 3 years warranty

|                             | INPUT  |   | OUTPUT  |   | LCM-25(DA)  | LCM-40(DA) / 60(DA)   |
|-----------------------------|--|---|---|---|---|---|
|                             | 25W/40W/60W  | 25W   | 40W/60W   |   |  |  |
| Non-DA Type                 |   |  |  |  |  |  |
| DA-Type                     |   |  |  |  |   |   |
| AC input voltage range      | 180~277VAC; 254~392VDC   |   |   | 180~295VAC; 254~417VDC  |   |   |
| AC inrush current (Typ.)    | Cold start, 20A at 230VAC  |   |   | 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   |   |   |   |   |   |
| Over temperature protection | LCM-25(DA): Shut down o/p voltage, recovers automatically after fault condition is removed<br>LCM-40/60(DA): Shut down o/p voltage, re-power on to recover |   |   |   |   |   |
| Setup, rise, hold up time   | 500ms, 50ms, 30ms  |   |   | 1000ms, 80ms, 16ms at full load and 230VAC  |   |   |
| Withstand voltage           | I/P-O/P: 3.75kVAC  |   |   |   |   |   |
| Working temperature         | -30~+60°C (refer to output derating curve)   |   |   |   |   |   |
| Safety standards            | UL8750, ENEC EN61347-1, EN61347-2-13, EN62384 approved (LCM-25/25DA pending)   |   |   |   |   |   |
| DALI standards              | Comply with IEC62386-101, 102, 207 (LCM-25DA/40DA/60DA only)   |   |   |   |   |   |
| EMC standards               | EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547   |   |   |   |   |   |
| Dimension (LxWxH)(mm)       | 105x 68x 23  |   |   | 123.5x 81.5x 23   |   |   |

### LCM-25(DA) Series

  UL/ENEC/CB/CE pending

| Output                         | Io Tol. | R&N   | Effi. | DIP Switch |      |      |      |      |      |
|--------------------------------|---------|-------|-------|------------|------|------|------|------|------|
|                                |         |       |       | 1          | 2    | 3    | 4    | 5    | 6    |
| 350mA, 6~54V                   | ±5%     | 400mV | 85.5% | ----       | ---- | ---- | ---- | ---- | ---- |
| 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-40(DA) Series

| Output                         | Io Tol. | R&N   | Effi. | DIP Switch |      |      |      |      |      |
|--------------------------------|---------|-------|-------|------------|------|------|------|------|------|
|                                |         |       |       | 1          | 2    | 3    | 4    | 5    | 6    |
| 350mA, 2~100V                  | ±5%     | 700mV | 91%   | ----       | ---- | ---- | ---- | ---- | ---- |
| 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-60(DA) Series

| Output                         | Io Tol. | R&N   | Effi. | DIP Switch |      |      |      |      |      |
|--------------------------------|---------|-------|-------|------------|------|------|------|------|------|
|                                |         |       |       | 1          | 2    | 3    | 4    | 5    | 6    |
| 500mA, 2~90V                   | ±5%     | 700mV | 92%   | ----       | ---- | ---- | ---- | ---- | ---- |
| 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   |

- ▶ LCM-25/40/60 are primary models with 0~10Vdc and PWM signal dimming function.
- ▶ LCM-25DA/40DA/60DA have DALI interface and push dimming function.