



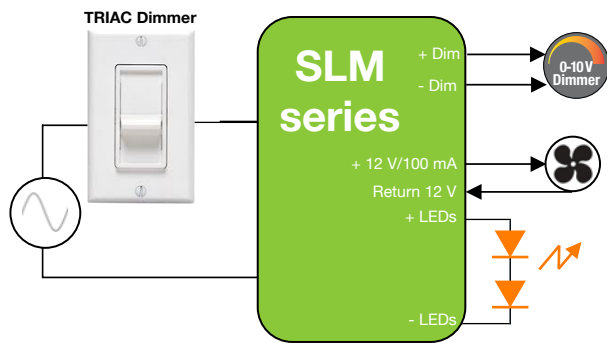
# SLM Series

SLM90	81-90 W
SLM100	91-100 W
SLM120	111-120 W
SLM140	131-140 W
SLM160	151-160 W

## Tri-Mode Dimming™ (TRIAC, ELV & 0-10 V), High Power, CC LED Drivers with 1-100% Dimming Range And with 12 V / 100 mA Auxiliary Output

Nominal Input Voltage	Max. Output Power	Output Voltage	Output Current	Efficiency	Max. Case Temperature	THD	Power Factor	Dimming Method	Dimming Range	Startup Time
120 to 277 Vac typical	160 W	28 to 160 Vdc	1 to 4.4 A CC	up to 90% typical	90°C (measured at the hot spot)	< 20%	> 0.9	Forward-Phase, Reverse-Phase & 0-10V	1 - 100% (% of lout)	0.75 sec

CC: Constant Current



**Aluminum Case**  
L 101.6 x W 50.8 x H 38.5 mm  
(L 4 x W 2 x H 1.52 in)

### FEATURES

- Compatible with TRIAC (forward-phase or leading-edge) / ELV (reverse-phase or trailing-edge) and 0-10 V dimmers
- TRIAC and ELV dimming only at 120 Vac
- 12 V/100 mA auxiliary output
- IP66-rated case with silicone-based potting
- 90°C maximum case hot spot temperature
- Protections: output open load, short-circuit (latch-off), and over-temperature with auto recovery
- Conducted and radiated EMI: Compliant with FCC CFR Title 47 Part 15 Class A at 120 and 277 Vac
- Complies with ENERGY STAR® luminaire specification and DLC (Design Light Consortium®) technical requirements
- Worldwide safety approvals

ERP Part Number	Nominal Input Voltage (Vac)	Iout (A)	Max Output Power (W)	Output Voltage Range (Vdc)	
				Min	Max
<b>SLM90W: up to 90 W</b>					
SLM090W-1.05-84-ZA <sup>(4)</sup>	120 to 277	1.1	88.2	60	84
SLM090W-2.1-42-TC <sup>(1)</sup>	120 to 277	2.1	88.2	30	42
<b>SLM100W: 91 to 100 W</b>					
SLM100W-1.7-56-TA <sup>(2)</sup>	120 to 277	1.7	95.2	40	56
<b>SLM120W: 111 to 120 W</b>					
SLM120W-2.0-56-TA <sup>(2)</sup>	120 to 277	2	112.0	40	56
SLM120W-2.8-42-XA <sup>(3)</sup>	120 to 277	2.8	117.6	30	42
<b>SLM140W: 131 to 140 W</b>					
SLM140W-1.05-130-ZA <sup>(4)</sup>	120 to 277	1.05	136.5	93	130
<b>SLM160W: 151 to 160 W</b>					
SLM160W-1.0-160-ZA <sup>(4)</sup>	120 to 277	1	160.0	129	160
SLM160W-2.8-56-ZA <sup>(4)</sup>	120 to 277	2.8	156.8	40	56
SLM160W-3.7-42-XA <sup>(3)</sup>	120 to 277	3.7	155.4	30	42
SLM160W-3.9-40-ZA <sup>(4)</sup>	120 to 277	3.9	156.0	30	40
SLM160W-4.4-36-ZA <sup>(4)</sup>	120 to 277	4.4	158.4	28	36

### Notes:

- 1) T: Tri-mode dimming (1-100%), C: 1 kV / 2 kV surge protection
- 2) T: Tri-mode dimming (1-100%), A: 4 kV/4 kV surge protection
- 3) X: No dimming, A: 4kV/4kV surge protection
- 4) Z: 0-10V dimming only (1-100%), A: 4kV/4kV surge protection
- 5) Forced air cooling or heatsink base plate (aluminum baseplate: 210mm x 200mm x 2mm) is required for total continuous power exceeding 120 W
- 6) For additional options of output current and output voltage, contact your sales representative or send an email to: [SaveEnergy@erp-power.com](mailto:SaveEnergy@erp-power.com)

### APPLICATIONS

- Outdoor & Indoor
- Street lights, Area lights
- Horticulture grow lights
- Industrial high-bay lights



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