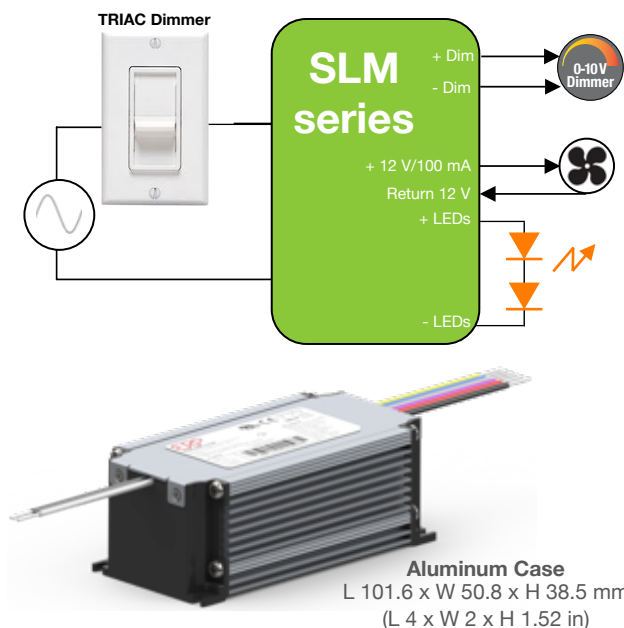


Tri-Mode Dimming™ (TRIAC, ELV & 0-10 V), High Power, CC LED Drivers with 1-100% Dimming Range

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, 220 to 240 Vac	160 W	21 to 85 Vdc	1.8 A 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)	0.5 sec

CC: Constant Current



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

Notes:

1. T: Tri-mode dimming (1-100%), C: 1kV / 2kV surge protection & IP64
2. T: Tri-mode dimming (1-100%), A: 4kV/6kV surge protection & IP66
3. X: No dimming, A: 4kV/6kV surge protection & IP66
4. Z: 0-10V dimming only (1-100%), A: 4kV/6kV surge protection & IP
5. For additional options of output current and output voltage, contact your sales representative or send an email to: SaveEnergy@erp-power.com

FEATURES

- Compatible with TRIAC (forward-phase or leading-edge), ELV (reverse-phase or trailing-edge), and 0-10 V dimmers
- +12 V/100 mA auxiliary output to power external fan, motion or ambient light sensor, or wireless module
- Outdoor surge protection: 4 kV line to line / 6 kV line to earth
- 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 Vac and 277 Vac
- Complies with ENERGY STAR® luminaire specification and DLC (DesignLight Consortium®) technical requirements
- Lifetime: 50,000 hours min at 70°C case temperature
- IP66-rated case with silicone-based potting
- 90°C maximum case hot spot temperature

APPLICATIONS

- Low bay lights
- High bay lights
- Grow Lights/Horticulture
- Street Lights



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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ERP Power:

[SLM140W-1.05-130-ZA](#) [SLM160W-3.9-40-ZA](#) [SLM090W-2.1-42-TC](#) [SLM100W-1.7-56-TA](#) [SLM120W-2.0-56-TA](#)
[SLM120W-2.8-42-XA](#) [SLM160W-1.0-160-ZA](#) [SLM160W-2.8-56-ZA](#) [SLM160W-3.7-42-XA](#) [SLM160W-4.4-36-ZA](#)