

# SWITCHLD (GEN2)

## Driver + Dimmer 2 in 1 Switch

**GM Lighting®**

### PRODUCT OVERVIEW

SwitchLD is a driver and dimmer in one reliable wall switch unit. This compact switch provides power and dims a variety of 12VDC or 24VDC LED tape and light sources directly from 120VAC. This modern styled switch is available in popular colors.

### FEATURES

- Fits single gang electrical boxes
- 100% - 0.3% smooth, deep dimming
- Controls constant voltage light sources
- Simplified installation using integrated power supply and dimmer switch.
- Single pole or 3-way wiring options
- Eliminates the compatibility issues between driver and dimmer switch
- Switch plate colors: White, Almond, Black
- Switch plates fit standard Decorator Wall Plates

Project Name	Type
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Catalog #	Date
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### ORDERING INFORMATION

Example: SWDD60W24VWH

Product No.	Switch Plate Color	Function	Voltage Out	Watts
<b>SWDD60W12V</b>	AL (Almond)	Dimmer/Switch	12Vdc	60W
<b>SWDD60W24V</b>	BK (Black)		24Vdc	60W
<b>SWDD96W24V</b>	WH (White)		24Vdc	96W

### SPECIFICATIONS

Product No.	SWDD60W12V (AL/WH/BK)	SWDD60W24V (AL/WH/BK)	SWDD96W24V (AL/WH/BK)
Dimensions	2.035"D x 2.126"W x 4.134"H		
Max Output Power	60W	60W	96W
Outputs	1 Output Channel	1 Output Channel	1 Output Channel
Output Voltage	12V	24V	24V
Output Current	Max 5A	Max 2.5A	Max 4A
Input Voltage Range	120VAC, 60Hz	120VAC, 60Hz	120VAC, 60Hz
Max Input Current	0.6A @120V	0.6A @120V	0.9A @120V
Power Factor (50%-100% load)	0.99	0.99	0.99
Efficiency @120V (50%-100% load)	90%	90%	91%
THD (100% load)	≤10%		

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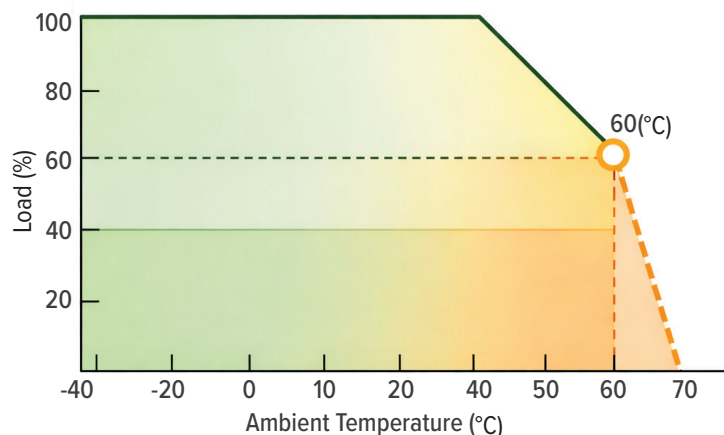


### SPECIFICATIONS

Product No.	SWDD60W12V (AL/WH/BK)	SWDD60W24V (AL/WH/BK)	SWDD96W24V (AL/WH/BK)
Dimming	100% to 0.3%		
Loading	For maximum life, see derating curve. No minimum load.		
Load Regulation	≤ 2%	≤ 1%	≤ 1%
Line Regulation	≤ 0.5%		
Turn-on Delay	< 500ms		
Surge Rating	1KV Differential Mode, 2KV Common Mode		
Overload Surge Protection	Hiccup mode. Activates when output current exceeds the specified limit; automatically recovers once the fault is cleared.		
Short Circuit Surge Protection	Activates under short circuit conditions; automatically recovers once the fault is cleared.		
Over Temperature Surge Protection	Activates when the driver overheats; automatically recovers after cooling.		
Certifications / Compliance	UL listed for US & Canada (Complies with UL 8750, CSA C22.2 NO250.13 UL Class 2 (low voltage output), Class P FCC 47 CFR Part 15 Class B (consumer limit) Conforms to CAN ICES (B)/NMB (B) Complies with Title 24 (JA8) requirements with compatible GM Lighting Titler 24 certified LED sources- RoHS SELV		
Flicker	Flicker Free (Per IEEE PAR1789)		
Max Case Temp	90°C		
Operating Temp	-40°F to +140°F (-40°C to +60°C)		
Humidity	20%–95% RH		
Life Rating	30,000 hrs @ 90°C case temp		
Application	IP20, indoor dry and damp locations		
Cooling	Free air convection		
Power Leads	6" Leads, 18AWG wire 105°C		
Case	Polycarbonate, Aluminum		

### Derating Curve: Output Power VS Ambient Temperature

1. To maximize driver life, refer to the Derating Curve and derate according to the ambient temperature.
2. At a given ambient temperature, the total LED load should be less than the rated output of the driver.
3. Derating a few watts below maximum output is good practice to extend driver life.

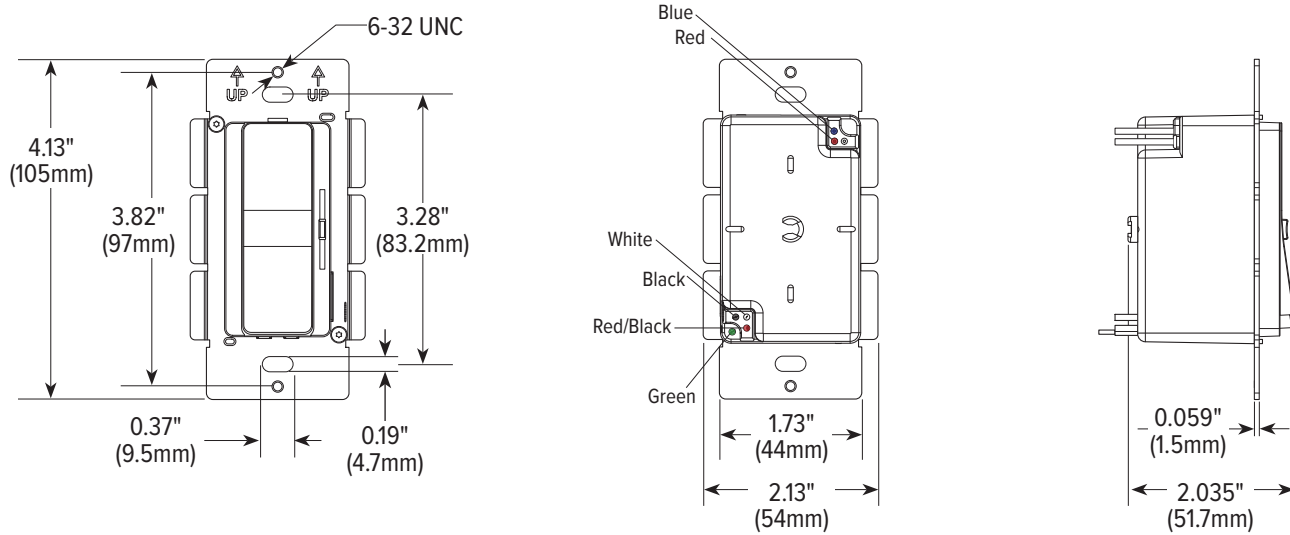


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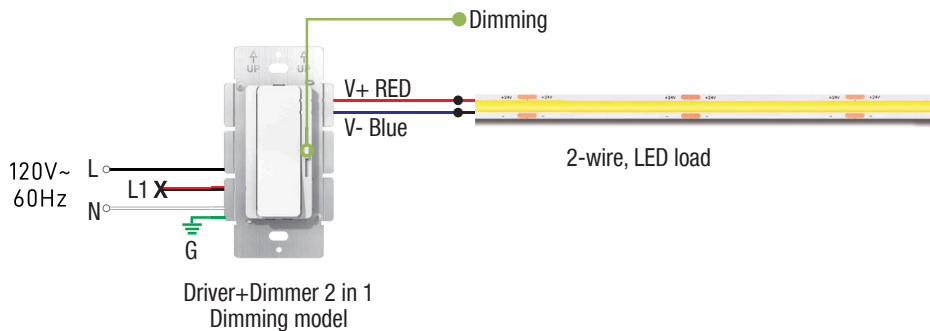
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### DIMENSIONS



### WIRING DIAGRAM: Single pole switch, single color output



### WIRING DIAGRAM: 3-way switch, single color output

NOTE: Only one SWD Driver+Dimmer unit can be used in a 3-way circuit

