

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

ORDERING INFORMATION

Project Name	Type
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Catalog #	Date
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Example: SWDD60W24VWH

Product No.	Switch Plate Color	Function	Voltage Out	Watts
SWDD60W12VAL	AL (Almond)	Dimmer/Switch	12Vdc	60W
SWDD60W24VAL			24Vdc	60W
SWDD96W24VAL			24Vdc	96W
SWDD60W12VBK	BK (Black)		12Vdc	60W
SWDD60W24BK			24Vdc	60W
SWDD96W24BK			24Vdc	96W
SWDD60W12VWH	WH (White)		12Vdc	60W
SWDD60W24VWH			24Vdc	60W
SWDD96W24WH			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 (16kHz PWM)		
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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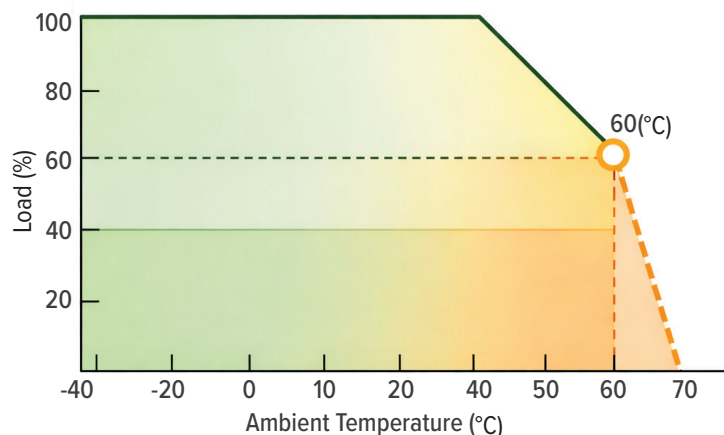


SPECIFICATIONS

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

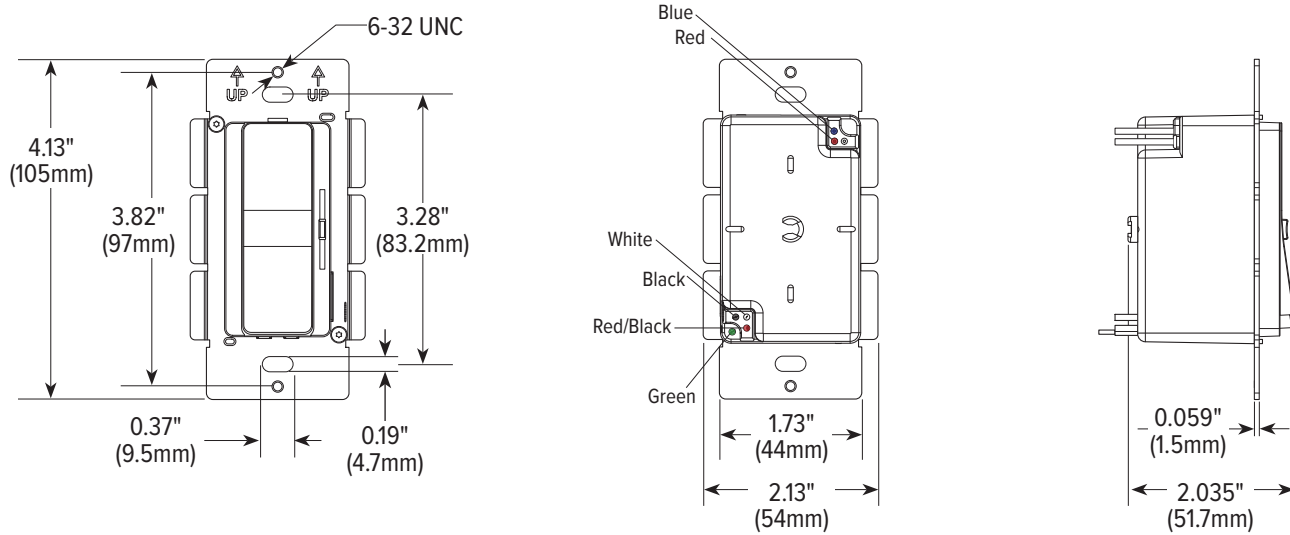
1. To maximize driver life, refer to the Derating Curve and derate according to the ambient temperature.
2. At a given ambient temperature, the total LED load should be less than the rated output of the driver.
3. Derating a few watts below maximum output is good practice to extend driver life.



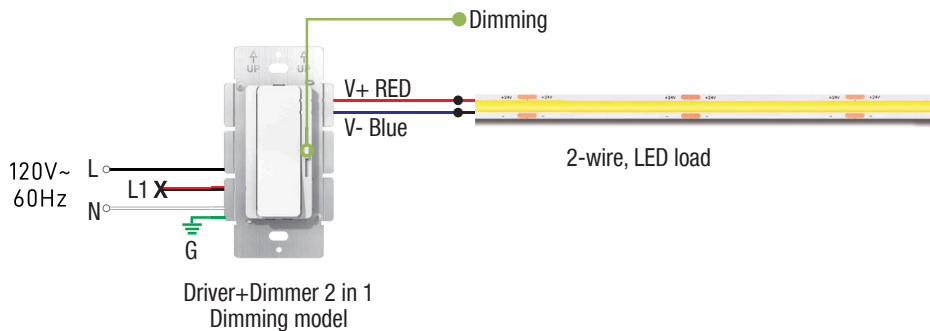
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DIMENSIONS



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

