DayTech LED

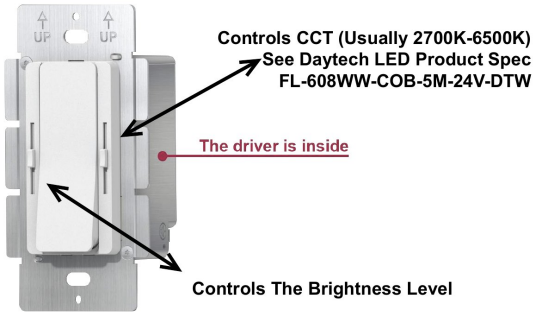
5250 Satellite Drive, Unit 7, Mississauga ON L4W 5G5
Tel 905-617-0298
www.daytechled.com

LED DRIVER + DIMMER · PRODUCT SPECIFICATION

Driver + Dimmer 2-in-1 LED Wall Switch · 24V

PART NO. **LED-DIM SERIES**

24V DC | CLASS 2 | cUL | 5-YEAR WARRANTY



Class P Class 2 SELV RoHS Reach

QUICK SPECS

INPUT	OUTPUT	POWER
120 VAC	24 VDC	60 / 96 W

DIMMING RANGE	POWER FACTOR	PWM
0.3–100 %	0.99 min.	16 kHz

PRODUCT OVERVIEW

A **Class 2, cUL approved** wall dimmer with the 24V LED driver built in, so no separate driver or dimmer compatibility issues. Fits a standard wall box. Flicker-free 16kHz PWM dimming, 3-way switching and a fine-tune output knob (24–26V). Available for **single colour** or **CCT / dim-to-warm** strip, wired or **WiFi + Bluetooth**.

VERSIONS



SINGLE COLOUR
Brightness



CCT / DIM-TO-WARM
Brightness + CCT



-WB WIRELESS
WiFi + Bluetooth

ORDERING INFORMATION

Tick the models required and enter a quantity

	PART NUMBER	POWER	CURRENT	STRIP TYPE	CONTROL	QTY
	60W · 24V · 2.5A					
☐	**LED-DIM-60W-24V**	60W	2.5A	Single colour	Wired	
☐	**LED-DIM-60W-24V-WB**	60W	2.5A	Single colour	WiFi + Bluetooth	
☐	**LED-DIM-60W-24V-CCT**	60W	2.5A	CCT / Dim-to-warm	Wired	
☐	**LED-DIM-60W-24V-CCT-WB**	60W	2.5A	CCT / Dim-to-warm	WiFi + Tuya BT	
	96W · 24V · 4A					
☐	**LED-DIM-96W-24V**	96W	4A	Single colour	Wired	
☐	**LED-DIM-96W-24V-WB**	96W	4A	Single colour	WiFi + Bluetooth	
☐	**LED-DIM-96W-24V-CCT**	96W	4A	CCT / Dim-to-warm	Wired	
☐	**LED-DIM-96W-24V-CCT-WB**	96W	4A	CCT / Dim-to-warm	WiFi + Tuya BT	

PO # _____ PROJECT _____

Recommended reel for CCT models: FL-608WW-COB-5M-24V-DTW tunable white COB reel (2700K–6500K). See page 2.

Specifications subject to change without notice.

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LED DRIVER + DIMMER · TECHNICAL DATA

Technical Specifications

PART NO. **LED-DIM SERIES**

OUTPUT

DC Voltage	**24V (24–26V adjust by knob)**
Rated Power / Current	**60W 2.5A · 96W 4A**
Voltage Tolerance	**±0.5V**
Load / Line Regulation	**≤1% / ≤0.5%**
Dimming Range	**0.3–100%, 16kHz PWM, gamma 2.2**

INPUT

Voltage / Frequency	**120VAC, 60Hz**
Power Factor @ full load	**0.99 min.**
THD @ full load	**≤10%**
Efficiency @ full load	**60W 92% · 96W 91%**
AC Current (max.)	**0.9A**
Inrush Current	**50A, 150us**
Leakage Current	**<0.5mA**

PROTECTION

Short Circuit	**Hiccup mode, auto-recovery**
Overload	**≥110%, hiccup, auto-recovery**
Over Temperature	**100 °C ±10 °C shut-down, auto-recovery**

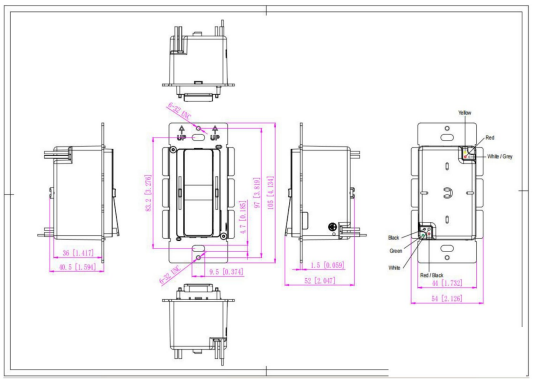
ENVIRONMENT & SAFETY

Working Temp.	**-40 °C to +60 °C**
Humidity	**20–95% RH non-condensing**
Location	**Dry and damp**
Safety	**UL 8750, CSA C22.2 No. 250.13**
Certificates	**cUL · FCC · Class 2 · Class P · SELV · RoHS**

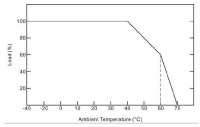
MECHANICAL

Dimensions	**105 × 54 × 52 mm (4.13 × 2.13 × 2.05 in)**
Net Weight	**0.25 kg (-WB 0.27 kg)**
Wires	**Input 18AWG · Output 18AWG**

MECHANICAL DRAWING



DERATING



Load (%) vs. ambient temperature (°C)

WIRE COLOURS

INPUT
Black (L) · Red/Black (L1) · White (N) · Green (G)

SINGLE COLOUR OUT
Red (V+) · Blue (V-)

CCT OUT
Red (V+) · White/Grey (CW-) · Yellow (WW-)

RECOMMENDED LED REEL FOR CCT MODELS



RECOMMENDED REEL

FL-608WW-COB-5M-24V-DTW

COB tunable white LED reel · 2700K–6500K

CCT	**2700–6500K**	LEDS	**608 / m COB**
POWER	**14.4 W/m**	OUTPUT	**365 lm/ft**
CRI	**90**	VOLTAGE	**24V DC**

HOW IT WORKS

LED-DIM-96W-24V-CCT + LED-DIM-96W-24V-CCT-WB → FL-608WW-COB-5M-24V-DTW

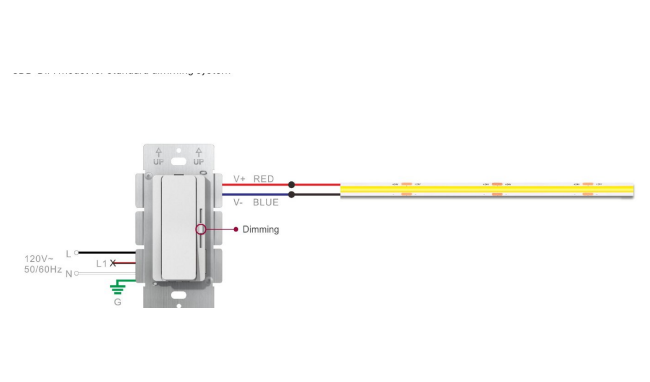
Wire V+ / CW- / WW- to the switch's Red, White/Grey and Yellow leads. The rocker sets brightness; the slider (or app on -CCT-WB) tunes 2700K–6500K. **Max. run per 96W switch ≈ 6.6 m** (96W ÷ 14.4 W/m).

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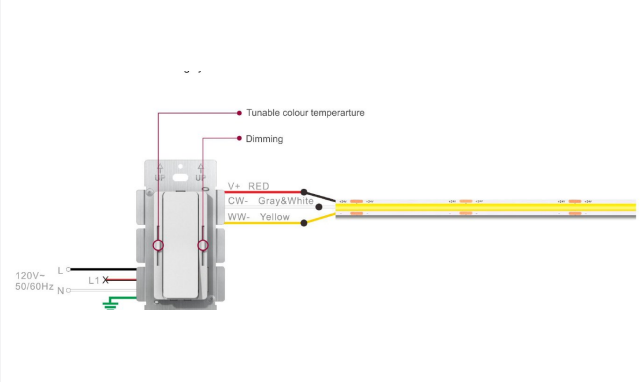
Wiring & Set-Up

PART NO. **LED-DIM SERIES**

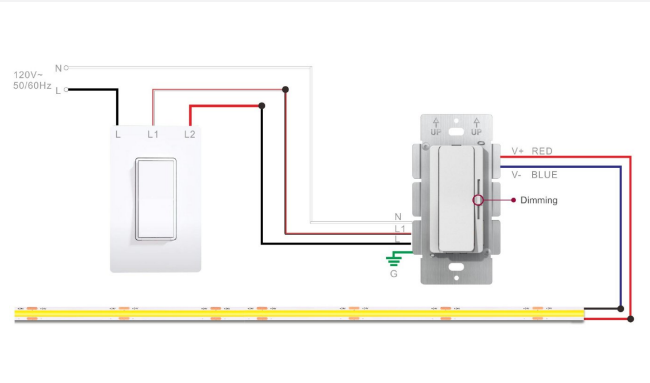
SINGLE COLOUR · STANDARD



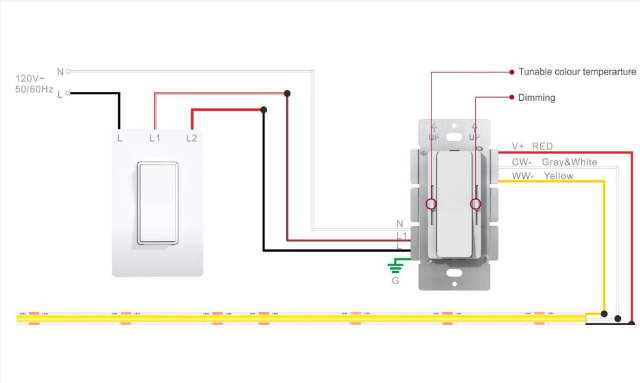
CCT · STANDARD



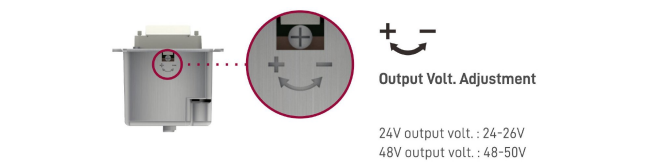
SINGLE COLOUR · 3-WAY



CCT · 3-WAY

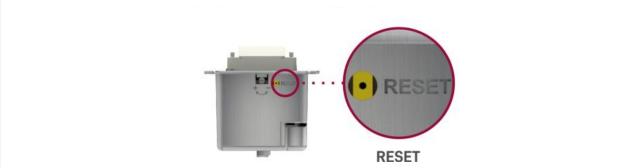


OUTPUT VOLTAGE ADJUSTMENT



Turn the knob clockwise to raise output voltage (24–26V).

WIRELESS (-WB) NETWORK RESET



Short-press the network reset switch, or press the panel button 6+ times.

CCT PUSH-DIMMER OPERATION · INSTALLATION NOTES

- Short press: on / off. Press and hold: adjust brightness.
- Double-press within 1 s, then hold: adjust colour temperature (exits after 1 min idle or another double-press).
- Install by a qualified electrician with adequate ventilation; check all connections before powering on. Dimmer panel is not replaceable.