



CCPSD Series

Constant Current 0-10 V Dimming LED Drivers

Project _____

Date _____ Type _____



CCPSD-25W-620



Features

- 120-277 VAC input
- Constant current output
- Built-in open-circuit, short-circuit, overload, and over-temperature protection
- 0-10 V, PWM, and resistance dimmable

Application

These drivers are an excellent solution for the remote mounting of low voltage LED lights such as LED strips and boards in indoor and outdoor applications.

Certifications and Compliances

These drivers are Class 2 and are UL Recognized in compliance with UL 1310 and UL 8750 (FKSZ2). These drivers are also FCC approved.



Warranty

Five (5) Year Warranty

Available Models

- ☐ CCPSD-21W-1400 ☐ CCPSD-25W-620
☐ CCPSD-25W-1050 ☐ CCPSD-36W-1800

Part Number Breakdown

Example: CCPSD-25W-1050

Family	Max Output Wattage	Constant Current Output
CCPSD	21W [21 W]	1400 [1.4 A]
	25W [25 W]	1050 [1.05 A]
	25W [25 W]	620 [620 mA]
	36W [36 W]	1800 [1.8 A]

Optional Accessories

120 V or 277 V Dimmer (0-10 V)

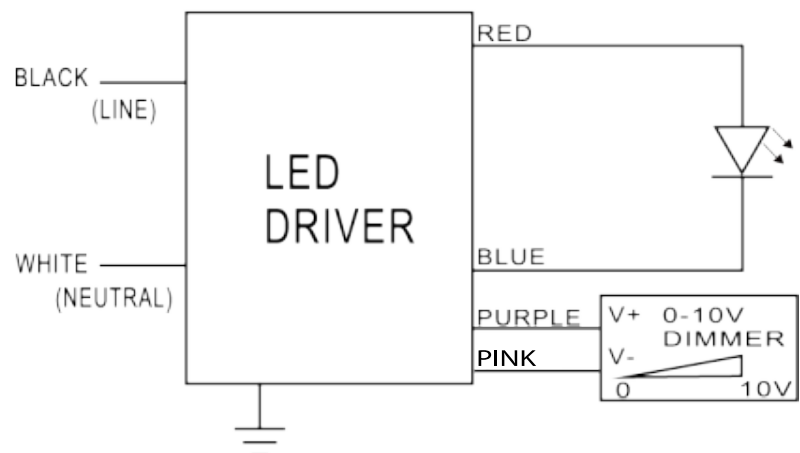
- ☐ Single-pole/3-way switch and slide wall dimmer (DMD-LED3-105-x)

Wiring

Case must be properly grounded during use.

INPUT

OUTPUT



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F 314.972.6202

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www.diode-drive.com

www.superbrightleds.com/cat/power-supplies

Rev V1 Date: 9/16/2020

Specifications are subject to change without notice.

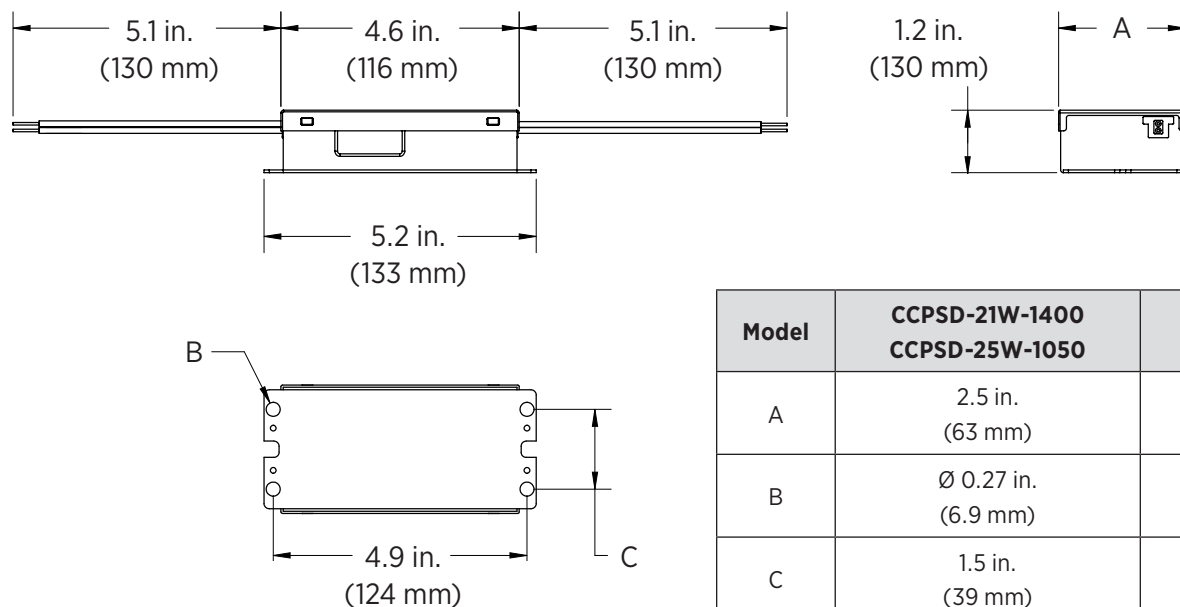
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Dimensional Drawing



Model	CCPSD-21W-1400 CCPSD-25W-1050	CCPSD-25W-620 CCPSD-36W-1800
A	2.5 in. (63 mm)	2.5 in. (63 mm)
B	Ø 0.27 in. (6.9 mm)	Ø 0.2 in. (5 mm)
C	1.5 in. (39 mm)	1.25 in. (32 mm)

Specifications

Model	CCPSD-21W-1400	CCPSD-25W-1050	CCPSD-25W-620	CCPSD-36W-1800
Input Voltage	120-277 VAC			
Maximum Input Wattage	24 W	28 W	28 W	41 W
Maximum Input Current	220 mA @120 VAC 110 mA @277 VAC	270 mA @120 VAC 110 mA @277 VAC	270 mA @120 VAC 110 mA @277 VAC	220 mA @120 VAC 110 mA @277 VAC
Output Voltage	9-15	14-24	25-41	12-20
Maximum Output Wattage	21 W	25 W	25 W	36 W
Output Current	1.4 A (constant)	1.05 A (constant)	620 mA (constant)	1.8 A (constant)
Dimming	0-10 V			
TCase (Max. Case Temperature)	194° F (90° C)			
THD (Total Harmonic Distortion)	20% (max)			
Inrush Current Rating	20 A (max)	25 A (max)	25 A (max)	30 A (max)
Efficiency (typical)	86%	87%	87%	87%
Power Factor	≥0.9			
Surge Protection	2 kV			
Ambient Operating Temperature	-40°-122° F (-40°-50° C)			
IP Rating	IP65			
Case Material	aluminum body, galvanized steel top			
Weight	0.86 lb (390 g)	0.86 lb (390 g)	0.76 lb (345 g)	0.74 lb (336 g)

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