

PRESTON DRIVER 7000 Series

SPECIFICATION SHEET

MODEL NO.	PRESTON PANEL DIMENSIONS	INPUT VOLTAGE	OUTPUT			
			RATED CURRENT	VOLTAGE RANGE NON-DALI	VOLTAGE RANGE DALI	RATED POWER
7000-PS-4700	1' x 2'	12VDC	500mA	12-86VDC	24-86VDC	43W
7000-PS-4701	1' x 2'	24VDC	500mA	21-86VDC	36-86VDC	43W
7000-PS-4702	1' x 4' & 2' x 2'	12VDC	1050mA	12-43VDC	24-43VDC	45W
7000-PS-4703	1' x 4' & 2' x 2'	24VDC	1050mA	21-43VDC	36-43VDC	45W

FEATURES:

- DC/DC step-up converter
- Constant current output: 350mA to 1050mA
- Wide output led string voltage up to 126V-DC
- High efficiency up to 95%
- PWM + analog dimming and remote ON/OFF control [(Blank) type or W type]
- DALI dimming[(Blank) DA type or WDA type]
- Short circuit Protections
- Over voltage Protections
- Under Voltage Protections

SPECIFICATION:

- **Input:** 12VDC or 24VDC
- **Output:** 500 or 1050mA | 43 or 45W | 12-86VDC & 12-43VDC
- **PWM Dimming & ON/OFF Control**
 - Remote ON/OFF
 - ❖ Leave open if not used
 - ❖ Power ON with Dimming: PWM Signal >2-8VDC or open circuit, between PWM DIM and Dim-.
 - ❖ Power OFF PWM Signal <0.5VDC or short or PWM duty is equal to 0%, between PWM Dim and DIM-.
 - PWM Dimming Frequency: 1 K - 10 KHz
 - Quiescent Input Current in Shutdown mode: 7mA when PWM dimming OFF
- **Analog Dimming & ON/OFF Control**
 - REMOTE ON/OFF
 - ❖ Leave open if not used
 - ❖ Power ON with dimming: DC input >0.25~8VDC or open circuit, between Analog DIM and DIM-.
 - ❖ Power OFF DC input <0.2VDC or short, between Analog DIM and DIMNO
 - INPUT VOLTAGE RANGE: 0.25-1.3VDC
 - Quiescent Input Current in Shutdown mode: 7mA when Analog dimming OFF
- **Protection**
 - Short circuit: Power OFF and fuse open
 - Over Voltage (max.): 50-100V
- **Environment**
 - Working Temp: -40 to +70°C
 - Working Humidity: 20-90% (RH Non-Condensing)
 - Vibration: 10-500Hz, 2G 10min./1 Cycle
- **Dimensions:** L 5.71in x W 2.56in x H 2.17in

Note:

1. All parameters are specified at normal input (12VDC or 24VDC), rated load, 25°C 70% RH ambient.
2. (Blank) type and W type output voltage must step up by 3V from input DC voltage:
 - a. (Blank) DA type and WDA type output voltage must step up by 12V from input DC Voltage
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF parallel capacitor.



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