ADP-40WFP 2-Channel Flicker Less Constant Current Source for LED drive

Features

- KC, CE, PSE certificated
- Flicker Less
- AC 100-240V wide input voltage range
- 2-lamp drive, 1-lamp drive available
- Constant current output (0.5A± 5%)
- 15~42V wide operational output voltage range
- Dimming control available (PWM , Option)
- Active PFC correction, PF>0.90
- Meet IEC61000-3-2 Class C
- Long life time over 40.000 Hr
- High efficiency
- Built-in short circuit protection

Applications

- LED Lighting
- Advertising Light panel

Electrical characteristics

Parameter	Symbol	Conditions*	Specification*			Unit
			Min	Typ	Max	
Input supply voltage	V_{IN}		90	100	264	V_{AC}
Input current	I_{IN}	V_{IN}=100V	0.48	0.52	0.56	A
Power consumption	P_{IN}	V_{IN}=100V	42	46	50	W
Power factor	λ	V_{IN}=100V	0.94	0.97		
Output current	I_O	V_{IN}=100V	475	500	525	mA
Reference output voltage	V_{O-REF}	V_{IN}=100V	15		42	V
No load output voltage	V_{O-OPEN}	V_{IN}=100V		44	48	V
Efficiency		V_{IN}=100V	83	85		%

* 2-channel output current are 500mA each at reference output voltages are 40V

Absolute maximum ratings

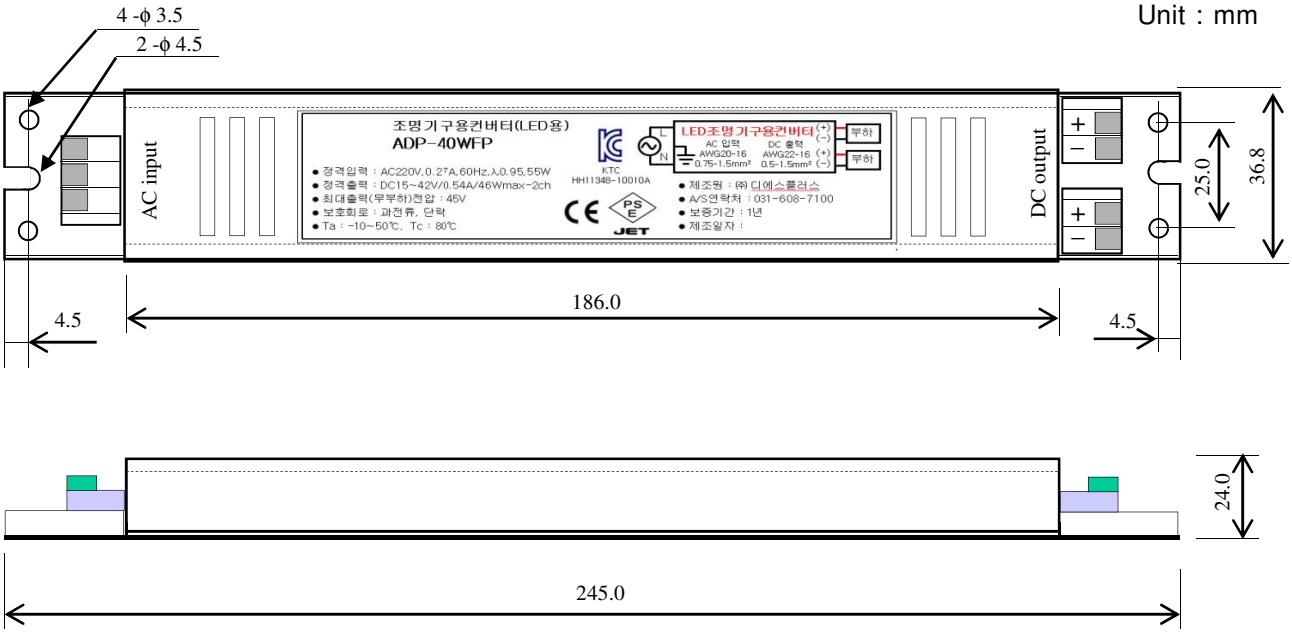
Lower Input supply voltage (V_{IN})	90V
Higher Input supply voltage (V_{IN})	264V
Maximum output voltage with load	42V
Minimum output voltage with load	15V
Output current (Io)	540mA
Input power	55W
Ambient operating temperature	- 10 °C to 50 °C
Storage temperature range	- 20 °C to 70 °C
Operating humidity	10 % to 80 %
Storage humidity	10 % to 90 %

Recommended operating conditions (R.C.)

Parameter	Symbol	Recommendation			Units
		Min	R.C	Max	
Input supply voltage	V_{IN}	100		240	V
Output current (for channel)	I_{IN}	0.48	0.50	0.52	A
Reference output voltage (for LED)	V_O	15	40	42	Vdc
Operating ambient temperature range	T_A	- 10		45	℃

Mechanical dimensions

Tolerance : ± 0.5
Unit : mm



Notice : The specification is subject to change without notice