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40W Constant Voltage LED Driver PDA040B Waterproof LED Driver Non-Dimming





Features

- Class 2 per UL1310
- OVP, OCP, Over-Load and Short-Circuit Protection
- >0.9 Power Factor Correction
- 5 Year Warranty

- IP67 Rating waterproof
- THD < 20%
- UL 8750 Compliant
- Brownout/Brownout Recovery

Applications

- Down lights
- Area Lights

• Architectural lighting

Safety Approvals

• cUL/UL

Mechanical Characteristics

Length: 162.5mm (6.39in)Width: 43mm (1.69in)

Height: 32mm (1.26in)Weight: 386g (13.62oz)

Output Specifications

Model	Output Current Range			DC Output	Output
Model	Min.	Typ.	Max.	Voltage	Power
PDA040B-24VB	0A	-	1.67A	24V	40W
PDA040B-48VB	0A	-	0.83A	48V	40W

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PDA040B Characteristics

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INPUT:

AC Input Voltage Rating

120VAC to 277VAC

AC Input Frequency

47~63Hz

Maximum Input Current

 $\leq 0.8A$

Leakage Current

0.5mA maximum

Power Factor

 ≥ 0.9

THD

Less than 20%

OUTPUT:

Output Voltage Ripple

≤8% (p-p)

Efficiency

87% at 277VAC

Environmental:

Temperature

 $\begin{array}{lll} \text{Operation case*} & -40 \text{ to } +70^{\circ}\text{C} \\ \text{Non-operation} & -40 \text{ to } +82^{\circ}\text{C} \\ \text{Operating Humidity} & 20 \text{ to } 95\% \end{array}$

Dimension Diagram unit: mm

EMC

FCC 47 Part 18 Class B

Immunity

IEC61000-4-2

IEC61000-4-4

IEC61000-4-5

IEC61000-4-11

Dielectric Withstand (Hi-pot) Test

Primary to secondary: 3000VAC for 1 minute, 10mA

Insulation Resistance

Primary to secondary: >10M Ohm 500VDC, 1 Minute

FEATURES:

Short-Circuit Protection

The PSU will withstand a short circuit across the outputs without damage

Input Over Current Protection

The input power line will be fused with a 2A/300V fuse

Output Over-voltage Protection

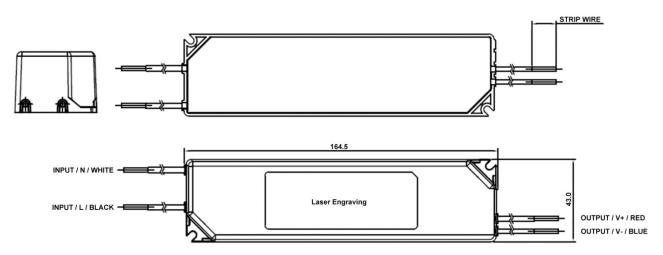
Auto shutdown

Input / Output Connections

Position	Terminal Color	Specification
Input	Black	AWG16 Solid Wire
	White	AWG16 Solid Wire
Output	Red	AWG18 Solid Wire
	Blue	AWG18 Solid Wire

Warranty

5 Years



^{*}Output derates from 50°C to 70°C