



**30W LED Driver with Constant Current 700mA**  
**PDA030A LED Power Supply for General Lighting**



**Features**

- Constant Current
- Limited Power Source
- Low Profile design
- IP20 Rating
- RoHS Compliant
- Brownout/Brownout Recovery
- OVP, OCP, Short/Open Circuit Protection
- Wide Operating Temperature Range

**Applications**

- General Lighting
- Indoor Lighting

**Safety Approvals**

- CE
- CCC
- SAA
- TUV
- CQC
- C-Tick

**Mechanical Characteristics**

- Length: 132mm (5.2in)
- Width: 40mm (1.6in)
- Height: 21mm (0.8in)
- Weight: 120g (4.2oz)

**Output Specifications**

Model	DC Output Voltage Range			Output Current Range			Max Power
	Min.	Typ.	Max.	Min.	Typ.	Max.	
PDA030A-700C	15V	-	42V	650mA	700mA	750mA	31.5W

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**INPUT:**

**AC Input Voltage**  
211 to 264VAC

**Nominal AC Input Voltage**  
230 to 240VAC

**Leakage Current**  
0.5mA maximum

**Maximum Input Current**  
≤0.2A at 230VAC

**AC Inrush Current**  
≤30A at full load, 230VAC

**OUTPUT:**  
**Total Output Power**  
30W Typical

**Efficiency**  
82% minimum

**Power Factor**  
≥0.95 with full load

**Ripple**  
<1A

**ENVIRONMENTAL:**

Operating Temperature      -20 to +50°C  
Storage Temperature        -40 to +85°C

Operating Humidity         10 to 95%  
Storage Humidity            05 to 95%

**Warranty**  
3 Years

**Lifetime**  
20K Hours

**EMC**

EN55015, FCC 47 Part 18, EN55022 Class B

**Immunity**

IEC61000-4-2  
IEC61000-4-5  
IEC61000-3-2 Class C  
IEC61000-3-3

**Isolation Test**

Primary to secondary: 3950VAC for 1 minute, 10mA

**Insulation Resistance**

Primary to secondary: >5M OHM 500VDC, 1 minute

**FEATURES:**

**Input Over Current Protection**

Input power line fused with 1.6A fuse

**Short Circuit**

Will withstand short circuit without damage

**Output Overvoltage Protection**

Protected (latched) from over voltage at nominal AC input.

**Open Circuit Protection**

Once circuit is opened, output will not be damaged at nominal AC input conditions

**Input / Output Connection**

2-pin terminal block

**Input / Output Wires (Solid or Stranded)**

Position	Terminal Color	Specification
Line	Brown	AWG16~18
Neutral	Blue	AWG16~18
Vout+	Red	AWG16~18
Vout-	Black	AWG16~18

**Ingression Protection**

IP20

**Dimension Diagram Unit:mm**

