



FEATURES

- Input Voltage Range of 90~305VAC
- Up to 42 Watts of Output Power
- Dimming Control
- Meets 2kV surge-protection standard IEC61000-4-5
- Over Temperature, Over Current, Over Voltage and Short Circuit Protection
- Meets CoC Version 5, complies with EU ErP
- Class I/Class II Design

DESCRIPTION

The PSBLLP-040F2 series of AC/DC indoor LED drivers offers up to 42 watts of output power in a 5.42" x 1.77" x 1.3" package. This series has an input voltage range of 90~305VAC and single outputs ranging from 24V to 60V. Features of this series include dimming control, high efficiency, and class I/class II design. This series has over temperature, over current, over voltage, and short circuit protection and meets 2kV surge-protection standard IEC61000-4-5. Please call factory for order details.

Size: 5.42in x 1.77in x 1.3in (137.6mm x 45mm x 33mm)

MODEL SELECTION TABLE

| Model Number | Input Voltage Range | Output Voltage | Rated Current | Ripple & Noise | Rated Power | Efficiency |
|----------------|---------------------|----------------|---------------|----------------|-------------|------------|
| PSBLLP040F2-36 | 90~305VAC | 24~36V | 1.1A | ±7% | 39.6W | 87% |
| PSBLLP040F2-42 | | 28~42V | 0.95A | ±7% | 39.9W | 88% |
| PSBLLP040F2-48 | | 32~48V | 0.85A | ±7% | 40.8W | 88% |
| PSBLLP040F2-54 | | 36~54V | 0.75A | ±7% | 40.5W | 89% |
| PSBLLP040F2-60 | | 40~60V | 0.7A | ±7% | 42W | 89% |









SPECIFICATIONS

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
We reserve the right to change specifications based on technological advances.

| SPECIFICATION | TEST CONDITIONS | Min | Typ | Max | Unit |
|-------------------------------------|---------------------|--|-------|-----|------|
| INPUT SPECIFICATIONS | | | | | |
| Input Voltage Range | | 90 | | 305 | VAC |
| Power Factor | @115VAC | 0.98 | | | |
| | @230VAC rated power | | ≥0.95 | | |
| Leakage Current | @230VAC/50Hz | | | 0.5 | mA |
| OUTPUT SPECIFICATIONS | | | | | |
| Output Voltage | | See Table | | | |
| Voltage Tolerance | | -10 | | +10 | % |
| Output Power | | See Table | | | |
| Output Current | | See Table | | | |
| Current Tolerance | | | ±5 | | % |
| No Load Power Consumption | | | | 0.5 | W |
| Ripple & Noise | | | | ±7 | % |
| Start Up Time | @115/230VAC | | | 400 | mS |
| PROTECTION | | | | | |
| Short Circuit Protection | | | | Yes | |
| Over Current Protection | | | | Yes | |
| Over Voltage Protection | | | | Yes | |
| Over Temperature Protection | | | | Yes | |
| ENVIRONMENTAL SPECIFICATIONS | | | | | |
| Operating Temperature | @Rated Power | -10 | | 50 | °C |
| Operating Humidity | Non-Condensing | 10 | | 95 | %RH |
| Dimming Control | | PWM, 1~10V, Resistance | | | |
| GENERAL SPECIFICATIONS | | | | | |
| Efficiency | | See Table | | | |
| PHYSICAL SPECIFICATIONS | | | | | |
| Dimensions (L x W x H) | | 5.42in x 1.77in x 1.3in (137.6mm x 45mm x 33mm) | | | |
| SAFETY | | | | | |
| Compliances | | CoC Version 4, EU ErP | | | |
| Class | | Class I/Class II | | | |
| 2kV Surge Protection | | IEC61000-4-5 | | | |

*Due to advances in technology, specifications subject to change without notice.

SAFETY CERTIFICATIONS

| Certification (● Certified ▲ In Progress N/A Depends on customer's need) | | | | | |
|---|-----|-----|-----|-----|-----|
|  | N/A | N/A | N/A | N/A | N/A |
|  | N/A | N/A | N/A | N/A | N/A |
|  | ▲ | ▲ | ▲ | ▲ | ▲ |
|  | ▲ | ▲ | ▲ | ▲ | ▲ |
|  | ▲ | ▲ | ▲ | ▲ | ▲ |
|  | N/A | N/A | N/A | N/A | N/A |
|  | ● | ● | ● | ● | ● |
|  | ● | ● | ● | ● | ● |

COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001-2008 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

Contact **Wall Industries** for further information:

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