

# LPF series

16W~90W LED lighting power unit with & without dimming function



## Power Supply Features:

- Universal AC input (up to 305VAC) / Full range
- Protection: Short circuit / Over current / Over voltage / Over temperature
- Built-in active PFC (Power Factor Correction)
- Fully isolated plastic case
- Isolation class II, no Frame Ground
- Class 2 power unit

Refer to [www.procontech.com.au](http://www.procontech.com.au) for detailed specs.

- Built-in 3 in 1 dimming function (1~10VDC, PWM signal or resistance) for D type only
- Fully encapsulated with IP67 level (optional for LPF-16)
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications
- Suitable for dry, damp, and wet locations
- 5 year warranty
- Australian Electrical Safety Approval

	LPF-16/25(D)	LPF-40/60(D)	LPF-90(D)
<b>INPUT</b>			
<b>OUTPUT (Non-Dimming)</b>			
<b>OUTPUT (Dimming)</b>			
<b>AC input voltage range</b>	90~305VAC; 127~431VDC		
<b>AC inrush current (max.)</b>	LPF-16(D): Cold start, 45A LPF-25(D): Cold start, 50A	LPF-40(D): Cold start, 50A LPF-60(D): Cold start, 55A	Cold start, 55A at 230VAC
<b>Over current protection</b>	95~108% constant current, auto-recovery		
<b>Over voltage protection</b>	110~150% rated output voltage		
<b>Withstand voltage</b>	I/P - O/P: 3.75KVAC		
<b>Working temperature</b>	-35°C ~ +70°C	-40°C ~ +70°C (refer to output derating curve)	
<b>Safety standards</b>	UL8750, ENEC EN61347-1, EN61347-2-13, EN62384, PSE J61347-1, J61347-2-13, EAC TP TC 004 approved; TUV EN61347-1, EN61347-2-13 approved for LPF-40/60/90(D)		
<b>EMC standards</b>	EN55015, EN61547, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020		
<b>Connection</b>	<b>Input</b>	UL rated, SJTW 18AWGx2C - <b>supplied fitted with Australian mains plug and 1.8m lead</b>	
	<b>Output</b>	LPF-16/25: UL rated, SVT 18AWGx2C (30cm) LPF-16D/25D: UL rated, SJTW 18AWGx4C (30cm)	LPF-40/60: UL rated, SVT 18AWGx2C (30cm) LPF-40D/60D: UL2464 18AWGx2C(30cm)+22AWGx2C (30cm)
<b>Dimensions (LxWxH)</b>	148x40x32mm	162.5x43x32mm	161x61x36mm
<b>Weight</b>	0.21Kg (16), 0.36Kg (25)	0.45Kg	0.7Kg

## LPF-16□ Series



Model No.	Output	Tol.	R&N	Eff.
LPF-16□ -12	12V, 0~1.34A	±5.0%	150mV	83.0%
LPF-16□ -15	15V, 0~1.07A	±5.0%	150mV	83.0%
LPF-16□ -20	20V, 0~0.80A	±5.0%	150mV	84.5%
LPF-16□ -24	24V, 0~0.67A	±5.0%	150mV	84.5%
LPF-16□ -30	30V, 0~0.54A	±5.0%	200mV	84.5%
LPF-16□ -36	36V, 0~0.45A	±5.0%	250mV	85.0%
LPF-16□ -42	42V, 0~0.39A	±5.0%	250mV	85.0%
LPF-16□ -48	48V, 0~0.34A	±5.0%	250mV	85.0%
LPF-16□ -54	54V, 0~0.30A	±5.0%	350mV	84.5%

## LPF-60□ Series



Model No.	Output	Tol.	R&N	Eff.
LPF-60□ -24	24V, 0~1.67A	±4.0%	150mV	87.0%
LPF-60□ -30	30V, 0~1.34A	±4.0%	200mV	88.0%
LPF-60□ -36	36V, 0~1.12A	±4.0%	250mV	88.0%
LPF-60□ -42	42V, 0~0.96A	±4.0%	250mV	88.5%
LPF-60□ -48	48V, 0~0.84A	±4.0%	250mV	89.0%
LPF-60□ -54	54V, 0~0.76A	±4.0%	350mV	89.0%

## LPF-25□ Series



Model No.	Output	Tol.	R&N	Eff.
LPF-25□ -12	12V, 0~2.10A	±4.0%	150mV	84.0%
LPF-25□ -15	15V, 0~1.67A	±4.0%	150mV	84.0%
LPF-25□ -20	20V, 0~1.25A	±4.0%	150mV	85.0%
LPF-25□ -24	24V, 0~1.05A	±4.0%	150mV	85.5%
LPF-25□ -30	30V, 0~0.84A	±4.0%	200mV	85.5%
LPF-25□ -36	36V, 0~0.70A	±4.0%	250mV	85.5%
LPF-25□ -42	42V, 0~0.60A	±4.0%	250mV	85.5%
LPF-25□ -48	48V, 0~0.53A	±4.0%	250mV	86.0%
LPF-25□ -54	54V, 0~0.47A	±4.0%	350mV	86.0%

## LPF-90□ Series



Model No.	Output	Tol.	R&N	Eff.
LPF-90□ -12	12V, 0~5.00A	±4.0%	150mV	86.0%
LPF-90□ -15	15V, 0~4.00A	±4.0%	150mV	87.0%
LPF-90□ -20	20V, 0~3.00A	±4.0%	150mV	88.0%
LPF-90□ -24	24V, 0~2.50A	±4.0%	150mV	89.0%
LPF-90□ -30	30V, 0~2.00A	±4.0%	200mV	90.0%
LPF-90□ -36	36V, 0~1.67A	±4.0%	250mV	90.0%
LPF-90□ -42	42V, 0~1.43A	±4.0%	250mV	90.0%
LPF-90□ -48	48V, 0~1.25A	±4.0%	250mV	90.0%
LPF-90□ -54	54V, 0~1.12A	±4.0%	350mV	90.0%

## LPF-40□ Series



Model No.	Output	Tol.	R&N	Eff.
LPF-40□ -12	12V, 0~3.34A	±4.0%	150mV	84.0%
LPF-40□ -15	15V, 0~2.67A	±4.0%	150mV	85.0%
LPF-40□ -20	20V, 0~2.00A	±4.0%	150mV	86.0%

## LPF-90□ Series



Model No.	Output	Tol.	R&N	Eff.
LPF-90□ -15	15V, 0~5.00A	±4.0%	150mV	89.0%
LPF-90□ -20	20V, 0~4.50A	±4.0%	150mV	89.5%
LPF-90□ -24	24V, 0~3.75A	±4.0%	150mV	90.0%
LPF-90□ -30	30V, 0~3.00A	±4.0%	200mV	90.5%
LPF-90□ -36	36V, 0~2.50A	±4.0%	200mV	90.5%
LPF-90□ -42	42V, 0~2.15A	±4.0%	200mV	90.5%
LPF-90□ -48	48V, 0~1.88A	±4.0%	200mV	90.5%
LPF-90□ -54	54V, 0~1.67A	±4.0%	200mV	90.5%

□ = Blank, D; Blank: without dimming function, D: with dimming function