



Features

- Application for LED Indoor Lighting, ex: Spot light, Down light, Stage light, Flood light
- Constant Current Design (C.C mode)
- Worldwide Input Range (up to 305Vac)
- Built-in PFC Circuit
- Low Inrush Current/ Low Ripple Current
- High Reliability & Long Life 50,000hrs
- Safety: Meet IEC61347-2-13, UL8750 & EMI EN55015
- Meet the Harmonic with the EN61000-3-2 Class C for Lighting Application
- Class 2 Power Unit
- 100% Burn-in Test

Protection:

- Fuse
- Over Voltage
- Over Power
- Over Temperature
- Short Circuit



Series	RAP 12W	RAP 18W	RAP 30W	☆ RAP 40W	☆ RAP 50W
Output Power	12 watts	18 watts	30 watts	40 watts	50 watts
Input Voltage	120-277V	120-277V	120-277V	120-277V	120-277V
Inrush current	5A	5A	5A	5A	5A
Frequency	47~63 Hz	47~63 Hz	47~63 Hz	47~63 Hz	47~63 Hz
Output Current Range	±5%				
*PFC Function	PF≥0.95	PF≥0.95	PF≥0.95	PF≥0.98	PF≥0.98
Surge Immunity	Differential Mode≥1KV; Common Mode≥2KV				
Protection	OVP	Auto Recovery	Auto Recovery	Auto Recovery	Auto Recovery
	OTP	o	o	o	o
	SCP	o	o	o	o
EMC Standard	EN55015				
Safety Standard	Design Refer to EN61347-2-13, EN60950-1, UL8750				
**Life	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs
Ingress Protection	IP20	IP20	IP20	IP20 / IP65	IP20 / IP65
Operation Temperature	-20 ~ 50°C	-20 ~ 50°C	-20 ~ 50°C	-20 ~ 50°C	-20 ~ 50°C
Storage Temperature	-25 ~ 85°C	-25 ~ 85°C	-25 ~ 85°C	-25 ~ 85°C	-25 ~ 85°C
Dimension (mm) LxWxH	115 x 37 x 30	115 x 37 x 30	175 x 36 x 27	162.5 x 43 x 32	162.5 x 43 x 32

Remark: * At 120Vac input & full load ** At 25°C & 100% Load
☆ MP ETD: 2014 Q2

RAP 12W Series

MODEL	Output Power	Output	Efficiency
FSP012-1ZZN1AP(035)	12W	22~34V/ 350 mA	85%
FSP012-1ZZN1AP(050)	12W	16~24V/ 500 mA	85%
FSP012-1ZZN1AP(070)	12W	12~18V/ 700 mA	85%

RAP 18W Series

MODEL	Output Power	Output	Efficiency
FSP018-1ZZN1AP(035)	18W	40~52V/ 350 mA	86%
FSP018-1ZZN1AP(050)	20W	24~40V/ 500 mA	86%
FSP018-1ZZN1AP(070)	18W	15~26V/ 700 mA	86%

RAP 30W Series

MODEL	Output Power	Output	Efficiency
FSP030-1ZZN1AP(050)	24W	24~48V/ 500 mA	89%
FSP030-1ZZN1AP(060)	20W	24~48V/ 600 mA	88%
FSP030-1ZZN1AP(070)	34W	24~48V/ 700 mA	88%

RAP 40W Series

MODEL	Output Power	Output	Efficiency
FSP40-ZZAP(070)	40W	52~58V/ 700 mA	88%
FSP40-ZZAP(100)	40W	25~40V/ 1000 mA	88%
FSP40-ZZAP(125)	40W	25~32V/ 1250 mA	88%
FSP40-ZZAP(140)	40W	18~28V/ 1400 mA	87%

RAP 50W Series

MODEL	Output Power	Output	Efficiency
FSP50-ZZAP(070)	50W	52~70V/ 700 mA	90%
FSP50-ZZAP(100)	50W	30~45V/ 1000 mA	89%
FSP50-ZZAP(125)	50W	25~40V/ 1250 mA	89%
FSP50-ZZAP(140)	55W	18~32V/ 1400 mA	88%