

# 16W 350mA/700mA In-Door Multi-Power LED Driver

## Product Offering



**Order part number:**  
MP-AD-016W-0A35-A-F-20  
MP-AD-016W-0A70-A-F-20

## Product Description:

- Multi-Power constant current output
- Active power factor control
- IP20 independent LED driver, for indoor use
- Nominal life 50,000hrs (at tc 65 °C with a failure rate <0.2% per 1,000hrs)

## Feature:

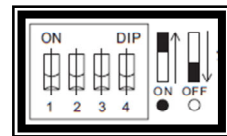
- High efficiency; PF > 0.9
- Start up time < 0.5sec; No-load consumption < 0.5W
- Multi-Power LED driver with output current selection by Dip-Switch selector
- Fully protected: Short circuit, input voltage surge, overvoltage protection, over-temperature protection

## Technical Data

Rated supply voltage, AC	220-240 Vac, 50/60Hz
AC Voltage range, AC	194-264 Vac, 50/60Hz
Survive input range (for 30mins)	170-305 Vac, 50/60Hz
Rated current @230Vac	<0.12A
Leakage current @240Vac	<250µA@240Vac
Max. input power	20W
Typ. efficiency (at 230V 50Hz, full load)	Typ. 85%
Inrush current	<6A (T-width @25µs)
Typ. λ (at 230 V 50Hz, Full load)	>0.9
Typ. λ (at 230 V 50Hz, Min. load)	>0.7
Turn on time (at 230V 50Hz, full load)	<0.5s
Max. no load consumption	<0.5W
Output rated power (depends on the output current setting)	16W
Ambient temperature ta	-15 ... +45 °C
Max. Casing temperature tc	75 °C
Size (mm)	131x44x23
Weight	110g

## Output Current Selecting Table

Output current selector



150-350mA selection

Output Current Selector	1	2	3	4
350mA	○	○	○	○
300mA	○	○	○	●
250mA	○	○	●	○
200mA	○	●	○	○
180mA	○	○	○	●
150mA	●	○	○	○
100mA	●	●	●	●

400-700mA selection

Output Current Selector	1	2	3	4
700mA	○	○	○	○
650mA	○	○	○	●
600mA	○	○	●	○
550mA	○	○	○	○
500mA	○	○	○	○
450mA	○	○	○	○
400mA	○	○	○	○
350mA	○	○	○	○

## Standard comply

EN55015; EN61000-3-2; EN61000-3-3; EN61547;  
EN61347-1; EN61347-2-13; SELV

## Specific Technical Data

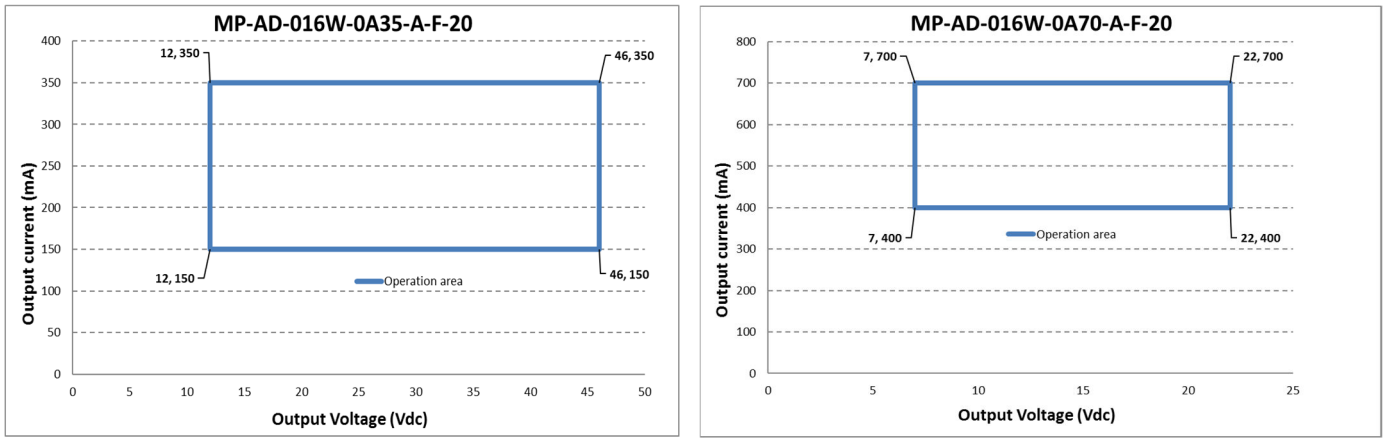
Order Part number	Max. output current	Output voltage	Output current tolerance
MP-AD-016W-0A35-A-F-20	100-350mA <sup>(1)(2)</sup>	12 - 46 Vdc (max. 59 Vdc)	±5%
MP-AD-016W-0A70-A-F-20	350-700mA <sup>(1)(2)(3)</sup>	7 -22 Vdc (max. 29 Vdc)	±5% <sup>(3)</sup>

**Remark:**  
(1) For details please refer to "output current selector" section  
(2) For detail specification, please refer to the "Technical Information".  
(3) At 350mA output current, the tolerance is ±8%

**Notes:**  
- Specifications may vary without notice  
- Always consult local electrical codes  
- Parameters are measured at rated output, rated load and at an ambient temperature of 25°C  
- Expect slight variation including component tolerance, setup tolerance, line regulation and load regulation.  
- Power supplies should always be stress tested and tested for EMC within specific fixture  
- Where grounding/earthing is not indicated, avoid grounding/earthing or contact with grounded/earthed metal enclosures  
- Performance with dimmers, where supported, may vary depending on dimmer model

# 16W 350mA/700mA In-Door Multi-Power LED Driver

## Operation Output Diagram:



## Outlook (in mm):

