



### Product Description:

- Dimmable 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)

### Application:

- LED down lighting
- LED spot lighting
- LED track lighting

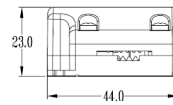
### Feature:

- High efficiency; PF > 0.9
- Start up time < 0.5sec;
- Phase cut dimmer dimmable (Leading and Trailing edge) with Multi-Power LED driver
- Fully protected

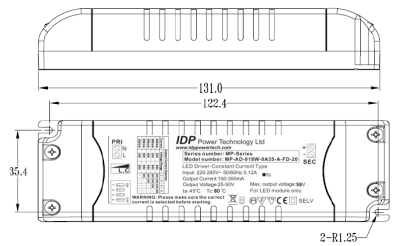
## 18W 350mA/28W 700mA In-Door Dimmable Multi-Power LED Driver



**DIMMABLE with Multi-Power Function**



Size: 131mm(L) x 44mm(W) x 23mm(H)

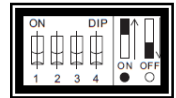


### Technical Data

Model Number:	MP-AD-018W-0A35-A-FD-20	MP-AD-028W-0A70-A-FD-20
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	<0.24A
Leakage current	<250µA@240Vac	
Typ. Eff. (at 230V 50Hz, full load)	Typ. 84%	Typ. 85%
Inrush current	<3A (T-width, 50% peak @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	
Output rated power	18W	28W
Ambient temperature ta	-15 ... +45 °C	
Max. Casing temperature tc	75 °C	
Weight	120g	

### Output Current Selecting Table

Output Current Selector:



#### 150 - 350mA Selection (18W)

		Output Current Selector			
Current	Voltage Range	1	2	3	4
350mA	25V 50V	ON	ON	ON	ON
300mA	25V 50V	ON	ON	ON	-
250mA	30V 50V	ON	ON	-	-
200mA	30V 50V	ON	-	-	-
150mA	33V 50V	-	-	-	-

#### 350– 700mA Selection ( 28W)

		Output Current Selector			
Current	Voltage Range	1	2	3	4
700mA	25V 42V	ON	ON	ON	ON
600mA	25V 42V	ON	ON	ON	-
500mA	30V 52V	ON	ON	-	-
400mA	30V 52V	ON	-	-	-
350mA	30V 52V	-	-	-	-

### Specific Technical Data

Order Part number	Product description	Max. output current	Output voltage	Output current tolerance
MP-AD-018W-0A35-A-FD-20	MP, 18W, 350mA, Phase cut, LED Driver	150-350mA <sup>(1)(2)(3)</sup>	25 - 50 Vdc (max. 60 Vdc) <sup>(4)</sup>	± 10% <sup>(3)</sup>
MP-AD-028W-0A70-A-FD-20	MP, 28W, 700mA, Phase cut, LED Driver	350-700mA <sup>(1)(2)</sup>	25—52 Vdc (max. 60Vdc) <sup>(4)</sup>	± 10%

- Remark:**
- (1) For details please refer to "output current selector" section
  - (2) For detail specification, please refer to the "Technical Information".
  - (3) At 150mA output current, the tolerance is ± 11%
  - (4) Please refer to output current selecting table for output voltage range.

**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