

## AC to DC LED Power Supply 16.8 Watts



### Applications

- LED Light Fixture
- LED Signage
- LED Architectural Lighting
- LED Industrial Lighting
- LED String Lighting

cUL<sup>®</sup>us FC PSE IP66

### Features

Constant Current output suitable for HB-LED applications  
 Compatible with Triac(LE) and ELV(TE ) dimmer Control  
 Suitable for Dry, Damp locations, meet IP66  
 Convection Cooled in plastic housing  
 meet UL8750 Class 2, FCC B  
 RoHS Compliant  
 Five Years Warranty (Life @ Tc : 80 40,000 Hours)

### Specifications

|  |  |
|--|--|
| AC Input :100~120Vac 0.25A, 47~63Hz                      | Load Regulation : +/-5%, Turn on time: <1.5 Sec.         |
| Input Inrush Current :<10A/115Vac                        | DC Output Ripple / Noise p-p : 10%                       |
| PFC > 0.92 : Input: 110~120Vac at full load, w/o dimming | Protection : OCP, SCP, OVP, OTP (CC limit)-Auto Recovery |
| Surge Immunity(IEC61000-4-5) : 2.5KV                     | Operation Temp. : -40 ~ +50 , Tc : 80                    |
| THD < 20% : Input: 110~120Vac at full load, w/o dimming  | Storage Temp. : -40 ~ +85                                |
| Efficiency : 83% at full load                            | MTBF(@50 ) : >50,000 Hours, MIL-217F                     |
| Min.Output loading : 8 watts (When AC dimming)           | meet UL8750 Class 2, FCC B                               |
| Dimming range : 10 ~100% at full load                    | Dimension : 63(R), 30(H)mm, Weight : 120gtypical         |

### Model Listing :

| Model            | Constant Current Model |                       | Watts Max. |
|------------------|------------------------|-----------------------|------------|
|                  | Forward Volts(Vf)      | Constant Current(±5%) |            |
| LT1016-128-Cnnnn | 14 ~ 28V               | 500 ~ 1000mA          | 16.8W      |
| LT1016-142-Cnnnn | 18 ~ 42V               | 350 ~ 700mA           | 16.8W      |

### Compatible Dimmer Listing :

|   |
|---|
| LUTRON-DVF103P(90%), IPI106(98%), IPI10(94%)<br>6633P(100%), 6311(93%). |
| LUTRON-DV-600PR-WH(90%)   |
| LUTRON-SEVL-300P(100%),S600PRWH(90%),TT-150NLH-JA(100%)                 |
| Panasonic-WT57615WK(95%),WN57259(91%)                                   |

Noten 1:The output current will be reduced from 5% to 20% while connecting to dimmer,Please refer to compatible dimmer listing.  
 Noten 2:The 5% to 20% current remedy : we can adjust it during the production based on customer providing data .

### Model Information

LT1016- YXX- Cnnnn  
 LT1016 = LT1016 series for Triac AC Dimming.  
 Y = 1-115Vac, AC Input, XX = 28, 42, ( Max.forward voltage[Vdc] )  
 Cnnnn = Constant Current Limit.

### Mechanical Drawing

