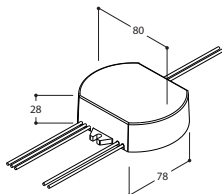


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name	POWERLED CONV. INVENTR 26W 350mA + WIRES 1-10V DIMM



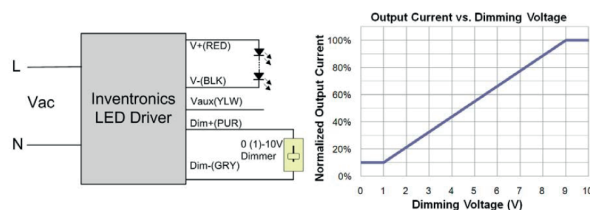
Features

- High Efficiency (Up to 86%)
- Second Generation with Improved Performance
- Active Power Factor Correction (Typical 0.95)
- Constant Output Current
- Waterproof (IP66) and Damp Location
- Dimming Control
- All-Around Protection: OVP, SCP, OLP
- Class 2 and SELV

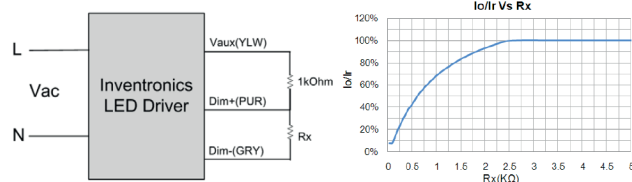
Dimming Control (On secondary side)

Parameter	Min.	Typ.	Max.	Notes
12V Output Voltage	10.8 V	12 V	13.2 V	
12V Output Source Current	0 mA	-	20 mA	
Absolute Maximum Voltage on the 0-10V Input Pin	0 V	-	15 V	
Source Current on 0-10V Input Pin	0 uA	-	200 uA	

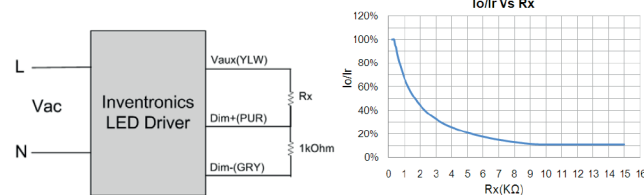
The dimmer control may be operated from either a dimmer or from an input signal of 0 – 10 Vdc. The recommended implementation is provided below.



Implementation 1: DC Input



Implementation 2: External Resistor



Implementation 3: External Resistor

Notes:

1. Do not connect the Dim- to the V-, otherwise, the LED driver cannot work normally.
2. If 0-10V dimming is not used, Dim + can be either open or connected to Vaux.

Output Current	Input Voltage Range	Output Voltage Range	Max. Output Power	Typical Efficiency (1)	Power Factor	
					120Vac	220Vac
350 mA	90 ~ 305 Vac	38~75 Vdc	26 W	86%	0.96	0.95

Input Specifications

Parameter	Min.	Typ.	Max.	Notes
Input Voltage Range	90 V	-	305 V	
Input Frequency	47 Hz	-	63 Hz	
Leakage Current	-	-	0.75 mA	At 277Vac 60Hz input
Input AC Current	-	-	0.4 A	Measured at full load and 100 Vac input.
	-	-	0.2 A	Measured at full load and 220 Vac input.
Inrush Current	-	-	40 A	At 220Vac input 25°C Cold Start. Duration=100 μs, 10%lpk-10%lpk.
Inrush Current(I ² t)	-	-	0.043 A ² s	
Power Factor	0.90	-	-	At 100Vac-277Vac, 75%load-100%load
THD	-	-	20%	

Output Specifications

Parameter	Min.	Typ.	Max.	Notes
Output Current Tolerance	-5% I _O	-	5% I _O	
No Load Output Voltage				
I _O = 350 mA	-	-	85 V	
I _O = 450 mA	-	-	59 V	
I _O = 700 mA	-	-	42 V	
I _O = 1050 mA	-	-	32 V	
I _O = 1400 mA	-	-	26 V	
I _O = 1750 mA	-	-	22 V	
Output Current Ripple	-	-	50% I _O	Related to V-I Curve of the LED
Output Current Overshoot / Undershoot	-	-	10%I _O	At full load condition.
Line Regulation	-	-	±1%	
Load Regulation	-	-	±3%	
Turn-on Delay Time	-	0.6 s	1.0 s	Measured at 120Vac input.
	-	0.3 s	0.5 s	Measured at 220Vac input.
Temperature coefficient	-	-	0.2%/°C	Case temperature = 0°C ~T _c max

Protection Functions

Parameter	Min.	Typ.	Max.	Notes
Short Circuit Protection				No damage shall occur when any output operating in a short circuit condition. The power supply shall be self-recovery when the fault condition is removed.



ALWAYS DISCONNECT MAINS POWER SUPPLY FROM CONVERTER BEFORE SWITCHING "ON" LED LUMINAIRES TO PREVENT HOT PLUGGING ISSUES