

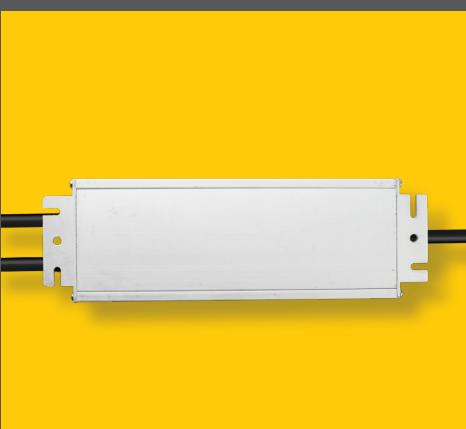
OCV5 1-10V

Convertidores para Exterior

**5 YEARS
50.000 hrs
IP67**

El compañero perfecto para
potenciar el rendimiento
de LEDs de tensión constante

- Full power range from 50W to 200W
- Universal input voltage 100-240 VAC
- IP67 for outdoor applications. Metal casing fully encapsulated







IP67 SELV

FUNCIONAMIENTO TÉCNICO

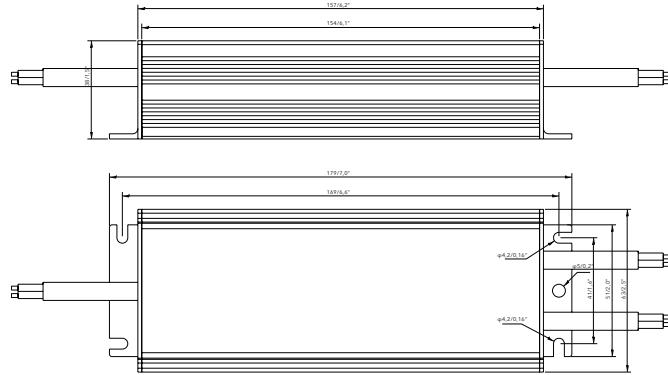
DATOS Y VENTAJAS

- ▶ Powers any 12V LED lighting applications
- ▶ SELV
- ▶ The power supply accepts Universal AC line input voltage 100-240 VAC
- ▶ Output voltage of 12VDC
- ▶ Active Power Factor Correction (PFC) to allow power distribution operate at its maximum efficiency
- ▶ Efficiency over 88%
- ▶ Protection against short-circuit, over temperature, and overload
- ▶ Natural convection cooling
- ▶ IP67 for outdoor use. Metal casing fully encapsulated.
- ▶ Complies with Class C in the full range load according to EN61000-3-2

VIDA ÚTIL Y GARANTÍA

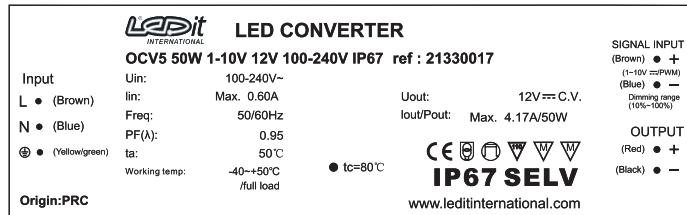
- ▶ Warranty : 5 years
- ▶ 50.000 hrs lifetime - at ambient temperature 50°C
- ▶ failure rate of less than 0.2% per 1.000 hrs

DIMENSIONES



	21330017	OCV5 50W 1-10V 12V 100-240V IP67		
Input	Rated supply voltage	100-240 VAC		
	Input voltage	90-265 VAC		
	Frequency range	47 - 63Hz		
	Power factor	PF ≥0.95/240VAC (at full load)		
	Efficiency	≥86% at 240 VAC (at full load)		
	Rated current	≤0.6A at 100 VAC (at full load)		
	Inrush current	50A at 240VAC		
	Leakage current	Contacting Current≤0.7mA at 240VAC, Protect conductor current≤2mA at 240VAC		
	Input Dimming signal	1-10V PWM(10V/100-1KHz)		
Output	Output voltage	12 Vdc	12 Vdc	
	Output current	4.2A Max	180-240 VAC	2.5A Max
	Output power range	50W	30W	100-180 VAC
	Dimming range	10%-100%		
	Output ripple voltage	50 mVp-p (at full load)		
	Start up time	0-2S,100VAC. 0-1S,240VAC		
	short circuit protection	Yes - (see details in last page)		
	Over-heat protection	Yes - (see details in last page)		
	Surge protection	L-N,6KV, L,N-G,6KV		
Environment	Working Temperature	-40°C ~ +50°C (at full load)		
	Storage Temperature	-40°C~+80°C, 10-95% RH		

LABEL



1. Todos los parámetros que no estén indicados han sido medidos con entrada 220VAC, carga completa, y temperatura ambiente de 25°C.

2. El convertidor LED se considera un componente que será operado en combinación con un equipo integral. Ya que el rendimiento EMC se ve afectado por las condiciones de la aplicación final, el fabricante de la solución integral debe re-calificar la directiva EMC en la instalación completa.




IP67 SELV

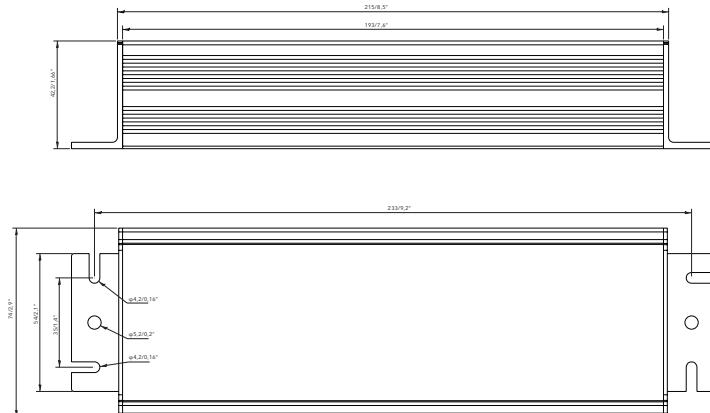
DATOS Y VENTAJAS

- Powers any 12V LED lighting applications
- SELV
- The power supply accepts Universal AC line input voltage 100-240 VAC
- Output voltage of 12VDC
- Active Power Factor Correction (PFC) to allow power distribution operate at its maximum efficiency
- Efficiency over 88%
- Protection against short-circuit, over temperature, and overload
- Natural convection cooling
- IP67 for outdoor use. Metal casing fully encapsulated.
- Complies with Class C in the full range load according to EN61000-3-2

VIDA ÚTIL Y GARANTÍA

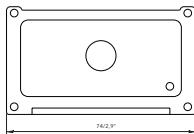
- Warranty : 5 years
- 50.000 hrs lifetime at Ta 35°C
- failure rate of less than 0.2% per 1.000 hrs

DIMENSIONES

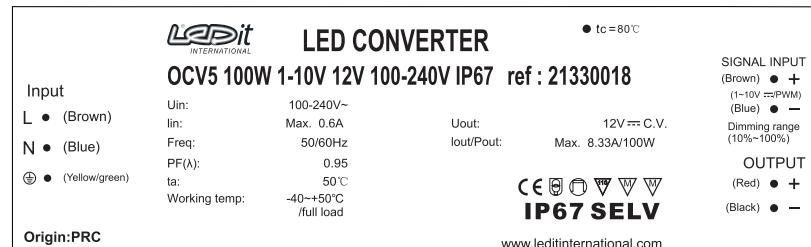


FUNCIONAMIENTO TÉCNICO

	21330018	OCV5 100W 1-10V 12V 100-240V IP67
Input	Rated supply voltage	100-240 VAC
	Input voltage	90-265 VAC
	Frequency range	47 - 63Hz
	Power factor	PF ≥0.95/240VAC (at full load)
	Efficiency	≥88% at 240 VAC (at full load)
	Rated current	≤1.2A at 100VAC(at full load)
	Inrush current	60A Max at 240VAC
	Leakage current	Contacting Current≤0.7mA at 240VAC, Protect conductor currents≤2mA at 240VAC
	Input Dimming signal	1-10V PWM(10V/100-1KHz)
Output	Output voltage	12 Vdc
	Output current	8.33A Max
	Output power range	100W Max
	Dimming range	10%-100%
	Output ripple voltage	5% (at full load)
	Output overshoot/undershoot current	≤10% when turn on and off the driver
	Start up time	0-2S,100VAC. 0-1S,240VAC
	short circuit protection	Yes - (see details in last page)
	Over-heat protection	Yes - (see details in last page)
	Surge protection	L-N,6KV, L,N-G,6KV
Environment	Working Temperature	-40°C ~ +50°C (at full load)
	Storage Temperature	-40°C~+80°C, 10-95% RH



LABEL



1. Todos los parámetros que no estén indicados han sido medidos con entrada 220VAC, carga completa, y temperatura ambiente de 25°C.

2. El convertidor LED se considera un componente que será operado en combinación con un equipo integral. Ya que el rendimiento EMC se ve afectado por las condiciones de la aplicación final, el fabricante de la solución integral debe re-calificar la directiva EMC en la instalación completa.

CE    **IP67 SELV**

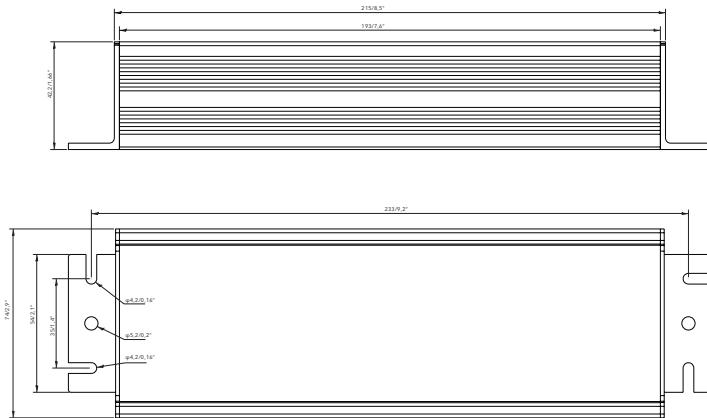
DATOS Y VENTAJAS

- Powers any 12V LED lighting applications
- SELV
- The power supply accepts Universal AC line input voltage 100-240 VAC
- Output voltage of 12VDC
- Active Power Factor Correction (PFC) to allow power distribution operate at its maximum efficiency
- Efficiency over 88%
- Protection against short-circuit, over temperature, and overload
- Natural convection cooling
- IP67 for outdoor use. Metal casing fully encapsulated.
- Complies with Class C in the full range load according to EN61000-3-2

VIDA ÚTIL Y GARANTÍA

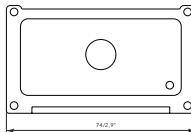
- Warranty : 5 years
- 50.000 hrs lifetime at Ta 35°C
- failure rate of less than 0.2% per 1.000 hrs

DIMENSIONES

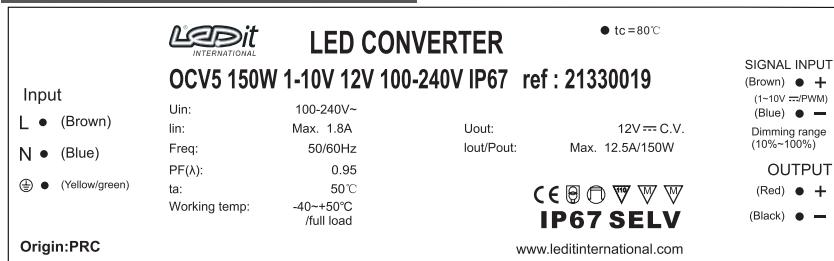


FUNCIONAMIENTO TÉCNICO

	21330019	OCV5 150W 1-10V 12V 100-240V IP67
Input	Rated supply voltage	100-240 VAC
	Input voltage	90-265 VAC
	Frequency range	47 - 63Hz
	Power factor	PF ≥0.95/240VAC (at full load)
	Efficiency	≥88% at 240 VAC (at full load)
	Rated current	≤1.8A at 100VAC(at full load)
	Inrush current	50A at 240VAC
	Leakage current	Contacting Current≤0.7mA at 240VAC, Protect conductor currents≤2mA at 240VAC
	Input Dimming signal	1-10V PWM(10V/100-1KHz)
Output	Output voltage	12 Vdc
	Output current	12.5A Max
	Output power range	150W Max
	Dimming range	10%-100%
	Output ripple voltage	5% (at full load)
	Output overshoot/undershoot current	≤10% when turn on and off the driver
	Start up time	0-2S,100VAC. 0-1S,240VAC
	short circuit protection	Yes - (see details in last page)
	Over-heat protection	Yes - (see details in last page)
	Surge protection	L-N,6KV, L,N-G,6KV
Environment	Working Temperature	-40°C ~ +50°C (at full load)
	Storage Temperature	-40°C~+80°C, 10-95% RH



LABEL



1. All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25°C ambient temperature.

2. The LED driver is considered as a component that will be operated in combination with final equipment, since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC directive on the complete installation again.

   **IP67 SELV**

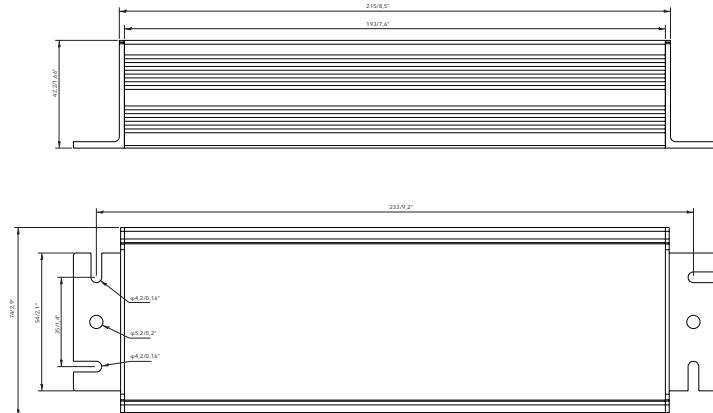
DATOS Y VENTAJAS

- Powers any 12V LED lighting applications
- SELV
- The power supply accepts Universal AC line input voltage 100-240 VAC
- Output voltage of 12VDC
- Active Power Factor Correction (PFC) to allow power distribution operate at its maximum efficiency
- Efficiency over 88%
- Protection against short-circuit, over temperature, and overload
- Natural convection cooling
- IP67 for outdoor use. Metal casing fully encapsulated.
- Complies with Class C in the full range load according to EN61000-3-2

VIDA ÚTIL Y GARANTÍA

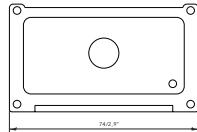
- Warranty : 5 years
- 50.000 hrs lifetime - at ambient temperature 50°C
- failure rate of less than 0.2% per 1.000 hrs

DIMENSIONES

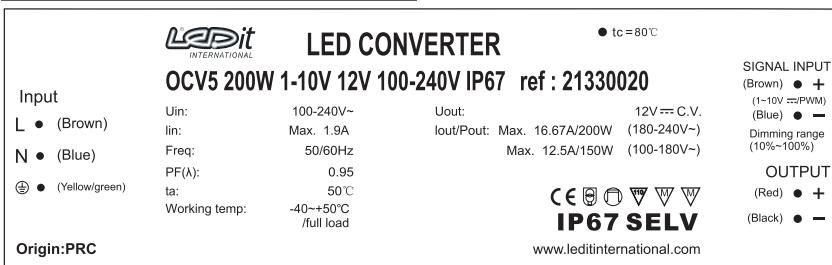


FUNCIONAMIENTO TÉCNICO

	21330020	OCV5 200W 1-10V 12V 100-240V IP67	
Input	Rated supply voltage	100-240 VAC	
	Input voltage	90-265 VAC	
	Frequency range	47 - 63Hz	
	Power factor	PF ≥0.95/240VAC (at full load)	
	Efficiency	≥88% at 240 VAC (at full load)	
	Rated current	≤1.9A at 100VAC(at full load)	
	Inrush current	60A at 240VAC	
Output	Leakage current	Contacting Current≤0.7mA at 240VAC, Protect conductor currents≤2mA at 240VAC	
	Input Dimming signal	1-10V PWM(10V/100-1KHz)	
	Output voltage	12 Vdc	12 Vdc
	Output current	16.67A Max 180-240 VAC	12.5A Max 100-180 VAC
	Output power range	200W Max	150W
	Dimming range	10%-100%	
	Output ripple voltage	5% (at full load)	
	Output overshoot/undershoot current	≤10% when turn on and off the driver	
	Start up time	0-1S, 220VAC	
	short circuit protection	Yes - (see details in last page)	
Environment	Over-heat protection	Yes - (see details in last page)	
	Surge protection	L-N,6KV, L,N-G,6KV	
Environment	Working Temperature	-40°C ~ +50°C (at full load)	
	Storage Temperature	-40°C~+80°C, 10-95% RH	



LABEL



1. All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25°C ambient temperature.

2. The LED driver is considered as a component that will be operated in combination with final equipment, since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC directive on the complete installation again.

NORMAS Y CERTIFICADOS

- EN61347-1:2008+A1:2011+A2:2013
- EN61547:2009
- EN61347-2-13:2014
- EN55015:2013
- EN61000-3-2:2016+A1:2009+A2:2009
- EN61000-3-3:2013



CABLES

Cables type 50VA :

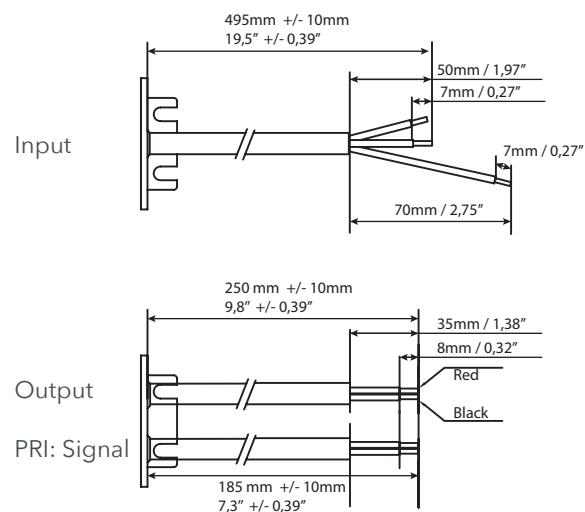
- Input --> Ø 7.4 ±0.2 mm - 3 × 1.0 mm² (19 AWG)
- Output --> Ø 7.0 ±0.2 mm - 2 × 1.0 mm² (19 AWG)
- PRI: Signal --> Ø 7.0 ±0.2 mm - 2 × 1.0 mm² (19 AWG)

Cables type 100,150,200VA :

- Input --> Ø 7.4 ±0.2 mm - 3 × 1.0 mm² (19 AWG)
- Output --> Ø 8.6 ±0.2 mm - 2 × 1.5 mm² (17 AWG)
- PRI: Signal --> Ø 7.0 ±0.2 mm - 2 × 1.0 mm² (19 AWG)

PROTECCIÓN

- Short circuit protection --Driver will recover when Short circuit condition removed if not damage.
- in case of overload Driver will reduce the Voltage and light becomes darker or flashing
- Excessive Temperature Protection: Driver will work again when temperature does not exceed its limits.



EMBALAJE

	Tipo	Dimensiones - LxWxH (cm)	Dimensiones (in)	PESO (Kg)	PESO (lb)	Unidades por caja
CAJA	OCV5 1-10V 50W	41,5x26,8x20,5	16,3x10,6x8,1	15,51	34,2	20
	OCV5 1-10V 100W	45x26x23,5	17,8x10,2x9,3	20,27	44,7	16
	OCV5 1-10V 150W	45x26x23,5	17,8x10,2x9,3	20,55	45,3	16
	OCV5 1-10V 200W	45,5x27x23,5	17,9x10,6x9,3	23,00	50,7	16

