

CCT SERIES

120V 13W PHASE CUT DIMMABLE CONSTANT CURRENT LED DRIVER



Class 2



Magnitude's CCT Series dimmable Constant Current LED driver is class 2 rated and designed to operate with MLV, ELV and CL dimmer switches (forward phase / reverse phase / TRIAC). The driver's low profile case allows OEM's to easily incorporate it into Luminaires. As always, 5-year warranty is a standard on all of Magnitude's products.

QUICK SPECS

Input Voltage	Max Output Power	Efficiency @ Max Load	THD @ Max. Load	Power Factor @ Max. Load	Envir. Protection Rating	Weight
100-120VAC	13W	> 82%	< 20%	> 0.9	IP21 - Dry and Damp Location	104gr / 0.22 lbs

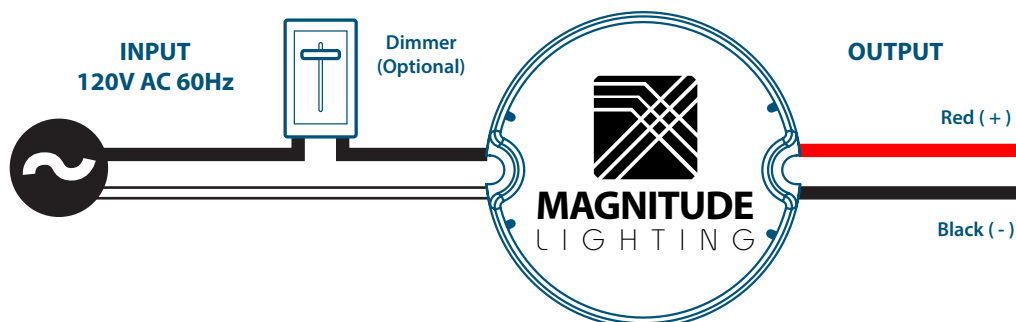
ENCLOSURE DETAILS In. (mm)

Diameter	Ø2.56 (Ø65)
Height	1.06 (27)

FEATURES

- Dimmable with MLV, ELV and CL dimmer switches (forward phase / reverse phase / TRIAC)
- Dim down to 5%
- Super compact case
- Class 2
- UL 8750
- Complies with FCC Part 15B
- Auto-Reset protection for short circuits, over-voltage and over-temperature

WIRING DIAGRAM



SPECIFICATIONS

Input	Min.	Nominal	Max.
Input Voltage Range	90VAC	100-120VAC	132VAC
Input Frequency	47Hz	50-60Hz	63Hz
Input Power 25°C,Nominal Input@110VAC	-	-	17.5W
Input Current 25°C,Nominal Input@110VAC	-	-	175mA
THD Full Load@110VAC	-	-	20%
Efficiency Full Load@110VAC	81%	82%	83%
Standby Power No Load@110VAC	-	-	0.5W
Rise Time	-	-	500ms
Start-up Delay @110VAC	-	-	500ms
Power Factor Full Load@110VAC	0.9	-	-

Output	Model Part#	Min.	Nominal	Max.
Output Voltage Range	CCT13W350	25VDC	-	40VDC
	CCT13W500	18VDC	-	26VDC
	CCT13W700	13VDC	-	18.5VDC
Output Current Range	Model Part#	Min.	Nominal	Max.
	CCT13W350	332mA	350mA	368mA
	CCT13W500	475mA	500mA	525mA
	CCT13W700	665mA	700mA	735mA
Rated Output Power	Model Part#	Min.	Nominal	Max.
	CCT13W350	9W	-	14W
	CCT13W500	9W	-	13W
	CCT13W700	9W	-	13W

Protections	
Over Voltage Protection	Auto Recovery
Open Circuit Protection	Max output voltage
Short Circuit Protection	Auto recovery
Surge Protection	1KV

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Environmental	Min.	Nominal	Max.
Tc Case Max	-	-	+85°C
Ambient Operating Temp.	-20°C	-	+60°C
Operating Humidity	10%	-	90%
Storage Temp. Range	-40°C	-	+85°C
Lifetime @110V, Tc=80°C	-	50KHrs	-
Case Dimensions	Ø65x27mm (Ø2.56" x 1.06" Inches)		

Dimming	Min.	Nominal	Max.
Dimming Type	Phase Cut Dimming (forward phase / reverse phase)		
Dimming Range	5%	-	100%

Compatible Dimming List

Leading Edge Dimmer List

Manufacturer	Model
LUTRON	Skylark S-600P
LUTRON	Skylark SCL-153P
LUTRON	Diva DVLV-600P
LUTRON	Diva DVCL-153P
LUTRON	Maestro MALV-60
LEVITON	Sureslide 6631
LEVITON	IllumaTech PI06
LEVITON	IllumaTech IPL06-10Z
LEVITON	IllumaTech IPE04-1LZ
LEGRAND	HLV1103PW

Trailing Edge Dimmer List

Manufacturer	Model
LUTRON	Diva DVELV-303P
LUTRON	DivaDVELV-303P-S
LUTRON	Diva DVSCELV-303P
LUTRON	Diva DVSCELV-303P-L
LUTRON	Diva DVELV-300P
LUTRON	Skylark SELVB-300P
LEVITON	IPE04-1LZ-300W

MECHANICAL DIAGRAM

