

CCT SERIES

120V 30W PHASE CUT DIMMABLE CONSTANT CURRENT LED DRIVER

P/N: CCT30W700



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	30W	> 85%	< 20%	> 0.9	IP21 - Dry and Damp Location	115gr / 0.25 lbs

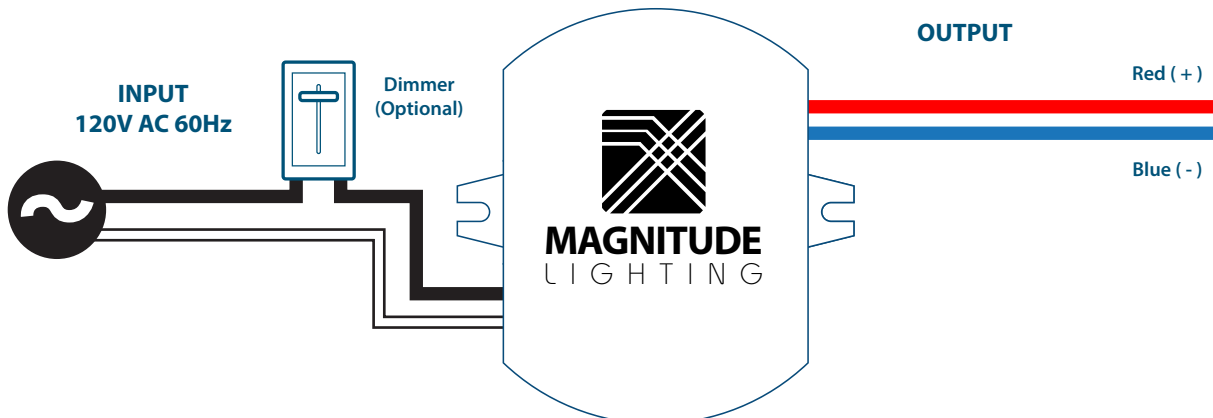
ENCLOSURE DETAILS In. (mm)

Length	3.17 (80.4)
Width	3.09 (78.5)
Mounting Width	2.78 (70.6)
Height	0.98 (25)

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	108VAC	120VAC	132VAC
Input Frequency	57Hz	60Hz	63Hz
Input Current 25°C,Nominal Input@110VAC	-	275mA	-
THD Full Load@110VAC	-	20%	-
Efficiency Full Load@110VAC	85%	-	-
Ripple & Noise	-	35%	-
Rise Time	-	-	500ms
Start-up Delay @110VAC	-	-	500ms
Power Factor Full Load@110VAC	0.9	-	-

Output	Min.	Nominal	Max.
Output Voltage Range	28	-	40VDC
Output Current Range	665	700	735mA
Output Power	-	28W	-

Protections	
Over Voltage Protection	Auto Recovery
Open Circuit Protection	50V Max
Short Circuit Protection	Auto Recovery
Over temperature protection	Auto Recovery
Primary side over current protection	Auto Recovery
Surge Requirement	1KV

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Environmental	Min.	Nominal	Max.
Tc Case Max	-	-	+85°C
Ambient Operating Temp.	-20°C	-	+50°C
Operating Humidity	10%	-	95%
Storage Temp. Range	-40°C	-	+80°C
Lifetime @110V, Tc=80°C	-	50KHrs	-

Case Dimensions 3.17" x 3.09" x 0.98" Inch. (80.4 x 78.5 x 25mm)

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

