

CUP38AT-1WMC(o)

Summary

CUP38AT-1WMC(o) is a constant current mode output LED driver. This driver can be controlled by external signal Phase-Cut ,0-10V to achieve a smooth dimming effect.

Product Feature

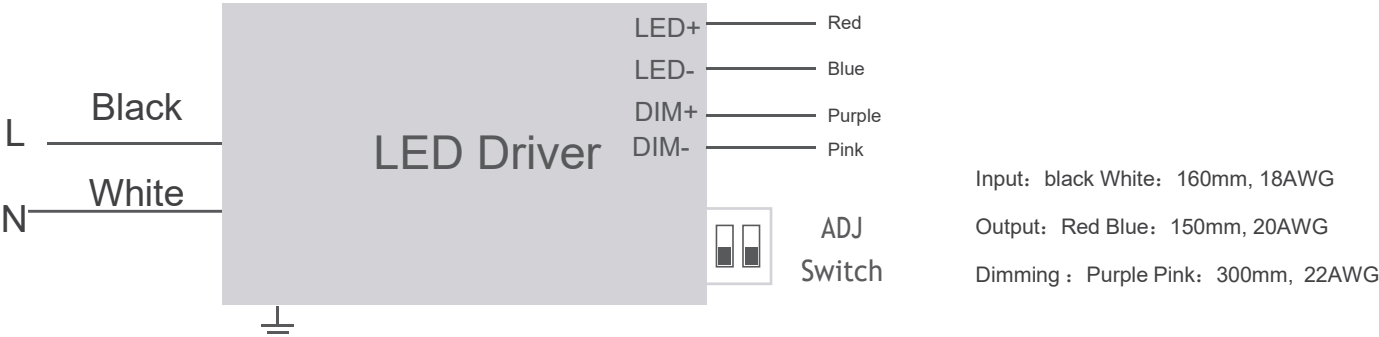
- Comply With UL8750/CSA-22.2 No.250.13 Safety Regulations
- All material to be ROHs compliant to Directive 2011/65/EU and (EU)2015/863
- Class P, Class 2
- 5 Years Warranty (Life expectancy of 50,000h at tc≤75°C)
- Comply With FCC Part15 Class B (@120Vac input Voltage)
- Output Power(Current) Adjustable



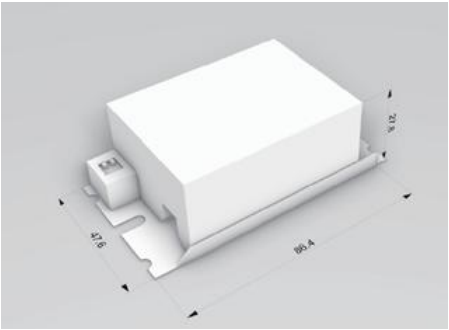
Technical Parameters

Model	CUP38AT-1WMC(o)	
Input	Efficiency	≥84%@120V , ≥84%@277V
	Voltage	120-277VAC
	Power Factor	>0.95@120V >0.90@277V
	THD(full load)	<20%
	AC Current	0.38A (120VAC) 0.18A (277VAC)
	Inrush Current(max)	Max 30A
Output	Current(mA)	750/800/850/900mA 30-42VDC
Function	Dimming Type	0-10V and Triac (120V 60Hz only) 0-10V Dimming (Dim to OFF)
	Dimming Range	10%-100% @120-277Vac (0-10V Dimming)
	Flicker Percentage	<30% ,comply with CEC Title 20
Safety& EMC	Surge	IEEE C62.41 2.5kV Ring Wave
	Withstand Voltage	I/P-O/P.I/P-FG: (2U+1000Vac)/5mA/1min,O/P-FG: 500Vac/5mA/1min
	Safety Standards	UL 8750-LED equipment for use in lighting product CSA C22.2 No.250.13-LED equipment for lighting applications
Others	Lifetime	50,000h at tc≤75°C
	Material	metal
	Dimension	86.4*47.6*27.8mm(L*W*H)
	Packing(weight)	Net weight: 190g±5%/PCS
	IP Rating	IP20
	Working Temp.	-20°C~40°C
	Storage Temp., Humidity	-40°C~55°C
	Switch Cycle	>25,000 times
	Warranty Condition	5 years

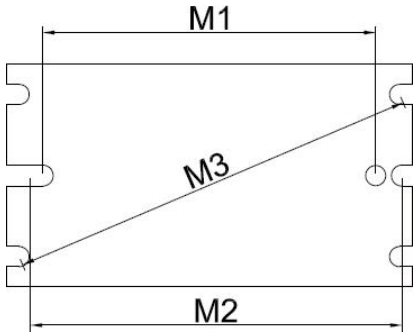
Wiring Diagram



Dimension(mm)



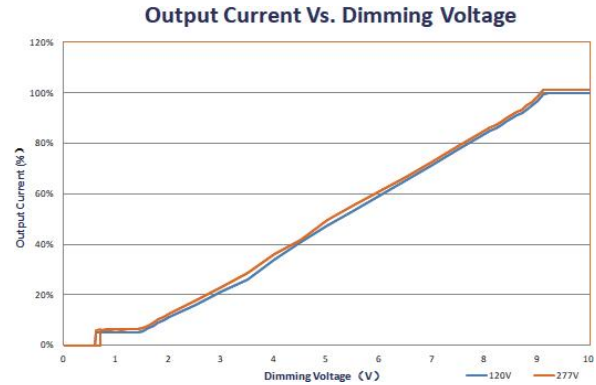
Enclosure	Case Total Length	Case Width	Case Height	Weight
(in./mm)	3.4/86.4	1.9/47.6	1.1/27.8	0.40/165



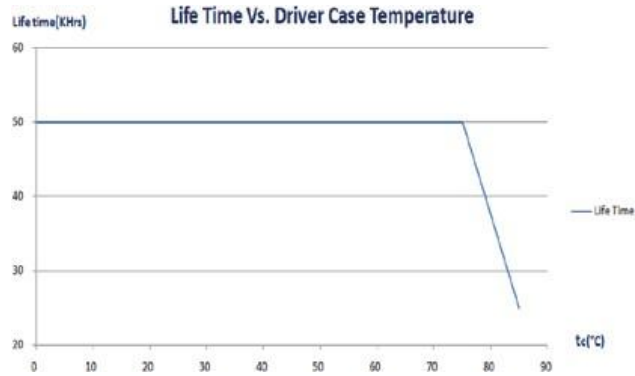
Mounting Length	M1	M2	M3
(in./mm)	2.8/70.9	3.24/82.2	3.5/88.2

0-10V Dimming Curve

Minimum dim level: 10% of Iout
Maximum output voltage on the dimming wires: 10V



Driver Lifetime Curve



nameplate

104100550101

AC Input

CUP38AT-1WMC (o)

- L (Black)
- N (White)

DC Output

- LED+ (Red)
- LED- (Blue)
- Dimming
- DIM+ (Purple)
- DIM- (Pink)

Constant Current LED DRIVER

Uin: 120-277Vac 50/60Hz

Iin: 0.38A Max Pin: 47WMax

PF > 0.9

Uout: 30-42Vdc Iout: 0.9A

Pout: 38W ta: 40°C tc: 75°C

0-10V Dimming (Dim to OFF)

Triac Dimming (120Vac/60Hz)

ClassP Class2

Output Type-CC

For Connections Use Wire Rated for at Least 90°C (194°C); Pour les connexions, Utiliser des conducteurs D'alimentation convenant 90°C; Use only within an enclosure; Doit être installé dans Une enceinte

Dry and Damp locations. Wire control circuits isolated. CAUTION: Case must be grounded Disconnect line voltage before Installing or replacing WARNING: Risk of Fire or Electric Shock Do not interconnect output terminations.

Cautions

1. This product should be installed by qualified personnel.
2. This product is non waterproof, need to avoid sun and rain. In case of outdoor use, please ensure it is mounted in a water proof enclosure.
3. Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
4. Please make sure LED power supply output voltage, current is used to meet the product requirements.
5. Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
6. In case of malfunction, do not repair it yourself.