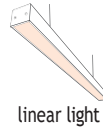


EULP96AS-1WMC-S3

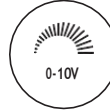
Product Feature

- Supports tri-mode dimming (0-10V active signal, adjustable resistor, PWM signal)
- Single-channel constant current output with multiple selectable current levels
- Wide input voltage range: 120VAC ~ 277VAC
- Full load output when the signal is floating, allowing it to function as a power supply
- Short-circuit protection, overload protection, over-voltage protection
- Smooth dimming, flicker-free
- The output current ratio is adjustable in 3 levels, enabling the adjustment of the luminaire's color temperature.
- 50,000-hour lifespan @ Tc=90℃, 5-year warranty
- Safety according to UL8750 &UL 1310

Application



linear light



0-10V



Flicker free



Short Circuit Protection



Over Load Protection



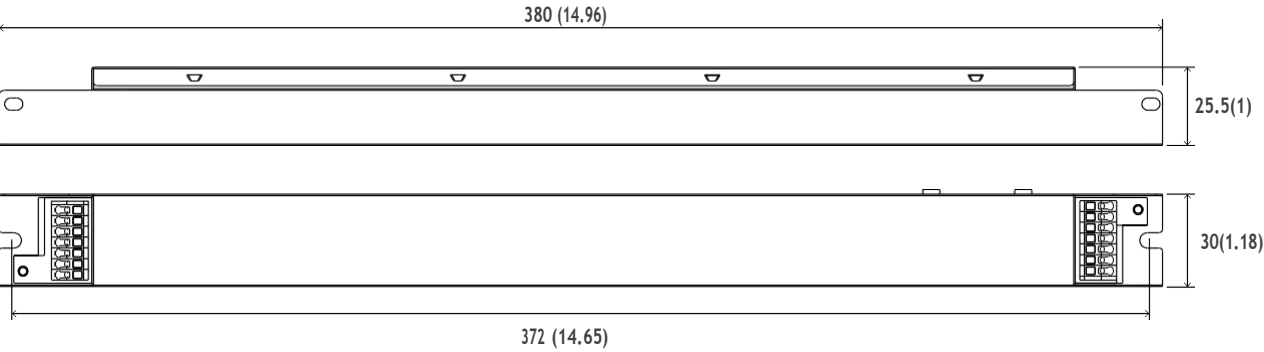
Over Voltage Protection

Technical Parameters

Model	EULP96AS-1WMC-S3				
Input	Efficiency	≥87%, full load			
	Rated Voltage	120-277VAC			
	Frequency Range(Hz)	50/60Hz			
	Current	1.1A@120VAC 0.44A@277VAC			
	Power Factor	≥0.95@120VAC, ≥0.95@277VAC, full load			
	THD(full load)	≤10%@120VAC, ≤15%@277VAC, full load			
	Inrush Current	Cold start, 15A@120VAC 100us, 36A@277VAC 100us			
Output	Switch	left	middle	right	
	Output Current	2400mA	2200mA	2000mA	
	Voltage Range	30-40VDC	30-43VDC	30-48VDC	
	Output Power	96W	95W	96W	
	Factory default current	2000mA			
	Current	1			
	Current Tolerance	±5%			
	Ripple factor	<3%			
	Standby power	1.5W			
	No load power	1.5W			
	No load output voltage	59VDC max			
	Auxiliary power supply	12VDC, 100mA, 1.2W			
	Start-up Time	≤0.75s, @120Vac (When the light begins to shine)			
Function	Dimming Type	0-10V			
	Dimming Range	1%-100%			
	Dimming curve	Linearity			
	Flicker	Flicker free			
Protection	Short circuit	No-output, Auto-Recover when fault removed			
	Overload	Current reduction hiccup protection with automatic recovery after fault clearance.			
	Overvoltage	Current reduction hiccup protection with automatic recovery after fault clearance.			
Safety& EMC	Surge	L-N: 2.5kV L-N-PG: 2.5kV (ringwave)			
	Withstand Voltage	I/P-O/P:2000Vac/1min/<5mA I/P-PG:1500Vac/1min/<5mA O/P-PG:500Vac/1min/<5mA O/P-Signal:500Vac/1min/<5mA			
	Safety Standards	UL8750 &UL 1310			
	EMI	FCC Part 15 Class B @120v FCC Part 15 Class A @277v			

Others	Working Temp.	-20℃-55℃(-4-131℉)
	Storage Temp., Humidity	-40℃-80℃(-40-176℉), 5%-90%RH
	tc	90℃(194℉)
	Material	Metal
	IP Rating	IP20
	Lifetime	50,000h@tc90℃(194℉)
	Warranty Condition	5years
	Switch Cycle	>25,000 times
	Dimension	380×30×25.5mm (14.96×1.18×1 Inch) (L*W*H)
	Packing(weight)	TBD

Dimension: mm (Inch)



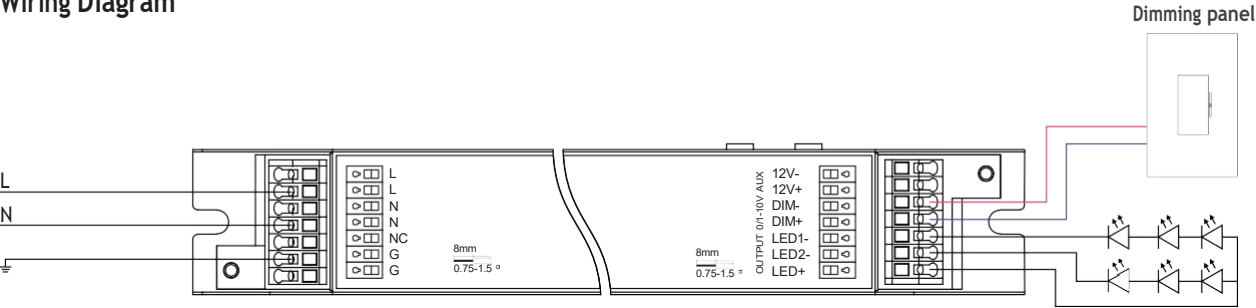
Current Selection Table

Switch 1	left	middle	right
Output Current	2400mA	2200mA	2000mA
Output Voltage	30-40VDC	30-43VDC	30-48VDC

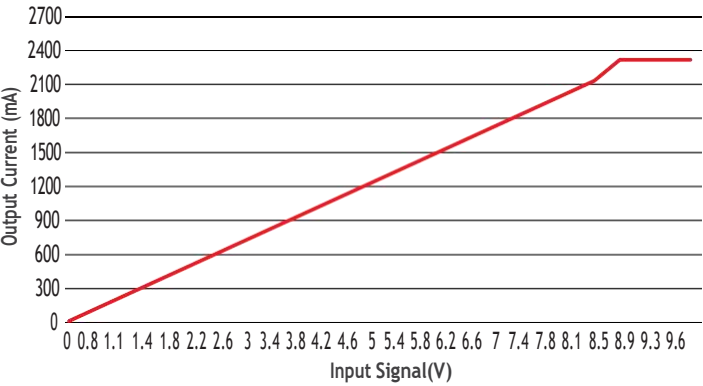
Color temperature Selection Table

Switch 2	left	middle	right
Blue	100%	50%	0%
White	0%	50%	100%

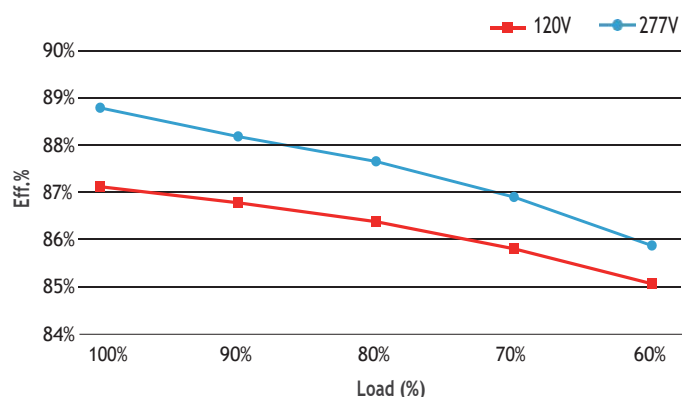
Wiring Diagram



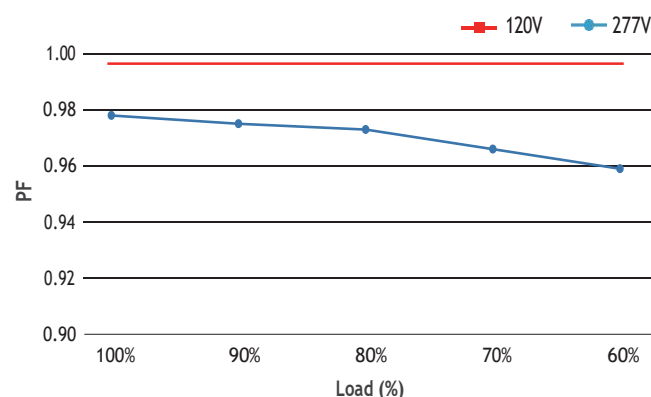
Dimming Curve



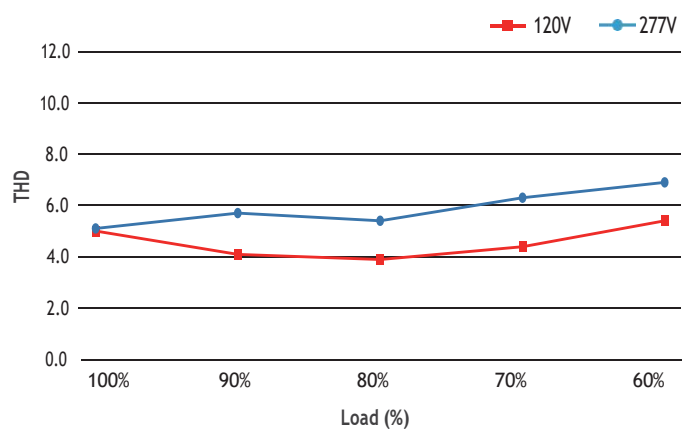
Efficiency vs Load Curve



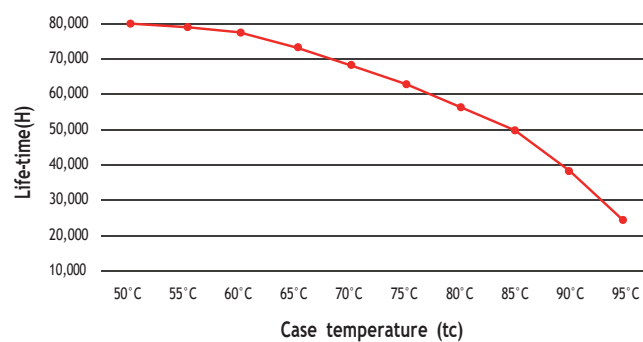
PF vs Load Curve



THD vs Load Curve



Life-time vs. case temperature



The life-time of the led driver is shown in the figure above (calculated based on the 90% survival rate).

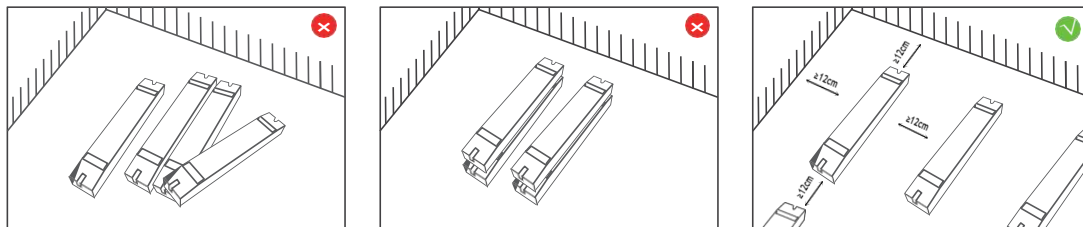
The relation of t_c to temperature depends also on the luminaire design.

Max. quantity of drivers per miniature circuit breaker

Specification item	Value	Value	Condition
Inrush current I_{peak}	15A (120V)	36A (277V)	Input Voltage 120V/277
Inrush current T_{width}	100 us (120V)	100 us (277V)	Input Voltage 120V/277, measured to 50% I_{peak}

MCB	Input Voltage 120V Drivers	Input Voltage 277V Drivers	MCB	Input Voltage 120V Drivers	Input Voltage 277V Drivers
B10	9pcs	22pcs	C10	9pcs	22pcs
B13	11pcs	29pcs	C13	11pcs	29pcs
B16	14pcs	36pcs	C16	14pcs	36pcs
B20	18pcs	45pcs	C20	18pcs	45pcs
			D16	14pcs	36pcs

Installation Precautions



Please do not stack the products. The distance between two products should be >12cm so as not to affect heat dissipation and the lifespan of the products.

Cautions

This product must be installed and adjusted by a qualified professional.		
1	Confirmation of installation conditions	<ul style="list-style-type: none"> • Waterproof and Protection: Install in a suitable location according to the waterproof and protection requirements of the power supply. Products without waterproof function should be protected from direct sunlight and rain. When installing outdoors, please use a waterproof box for protection. • Heat dissipation requirements: The drive power supply should avoid exposure to high temperature environments. Please ensure that the working environment temperature is within the recommended range. To ensure proper heat dissipation of the drive power supply, a well ventilated area should be selected for installation. Good heat dissipation conditions can help extend product lifespan.
2	Power check	<ul style="list-style-type: none"> • Before use, check the product parameters and confirm that the output voltage and current of the LED power supply meet the requirements
3	Safe wiring	<ul style="list-style-type: none"> • Use cables that meet the specifications to ensure that the cross-section of the wire matches the requirements of the driving power supply. Solid cables typically measuring 18AWG-14AWG (Please refer to the silk screen printing or wiring diagram in the instruction manual for specific wire diameter requirements). • If the power supply (metal casing) is installed on a grounded lighting component or equipment, the power supply needs to be grounded.
4	Wiring confirmation	<ul style="list-style-type: none"> • Before power on debugging, ensure that the wiring is secure and avoid poor contact to prevent unstable current or equipment damage.
5	Repair suggestions	<ul style="list-style-type: none"> • If the product malfunctions, please do not repair it without authorization. If you have any questions, please contact the supplier or sales team for assistance.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail. Please contact us if you have any questions .

Warranty Agreement

1. Warranty periods from the date of delivery : 5 years.
2. Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

The following situations are not covered by the free warranty or replacement service:

1. Exceeding the warranty period.
2. Damage caused by human factors such as high voltage, overload, and improper operation.
3. The appearance of the product is severely damaged or deformed.
4. Normal wear and tear or aging during regular product use.
5. Damage caused by natural disasters or force majeure factors.
6. The quality inspection label of the product is damaged (QC PASS).
7. No contract or valid invoice proof signed with EUCHIPS has been provided.

※Remedies: Repair or replacement is the only remedy provided by EUCHIPS to the customer, and EUCHIPS shall not be liable for incidental damages arising from repair or replacement, unless within the scope of applicable law.

※Adjustment of Warranty Terms: EUCHIPS reserves the right to modify or adjust the warranty terms, which shall be published in writing.