EULP30D4S-1WNC

Advantages

- Enable interoperability with diverse wireless sensors/network systems
- Reduce complexity and cost of fixture by eliminating auxiliary components ordinarily re quired for powering sensors, switching fixture off and monitoring energy use
- interface to any suitable sensor and ease of adjustable drive current

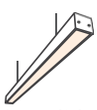
Product Feature

- Standard-compliant (ANSI C137.4 and DiiA) digital interface including:
- Integrated DALI bus power supply (Part 250)
- Memory Bank 1 extension, Energy Monitoring and Diagnostics (Parts 251, 252, 253)
- Energy metering and advanced diagnostics
- Continuous dimming down to 1%
- Drive current setting via NFC wireless programming
- 5-year limited warranty

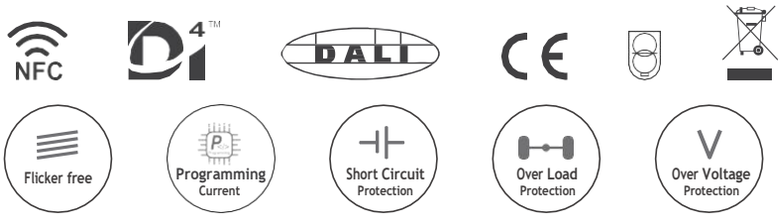
Programming

Adjustable Light Output (ALO)
Adjustable Output Current (AOC)
Luminaire Maintenance
Luminaire (Fixture) Information (Luminaire Info)

Application



Linear light

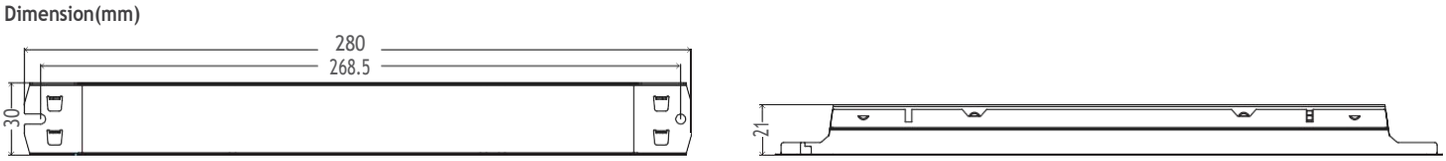


Technical Parameters

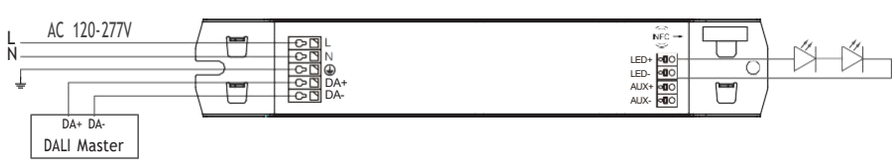
Model	EULP30D4S-1WNC	
Input	Efficiency	≥87%@120VAC-277VAC, full load
	Rated Voltage	120VAC-277VAC
	Frequency Range(Hz)	50/60Hz
	Current	0.37Amax@120VAC, 0.17Amax@277VAC
	Power Factor	≥0.95@120VAC, full load · ≥0.9@277VAC, full load
	THD(full load)	<10%@120VAC-277VAC, full load
	Inrush Current(max)	Cold start,7A@120VAC 100us, 28A@277VAC 80us
Output	Current Range	100-1100mA(NFC)
	Voltage Range	9-52VDC
	Output Power	30W Max
	Current	1
	Current Accuracy	±5% ±7% below 200mA
	No load output voltage	60VDC max
	Standby power	≤0.75W
	No load power	≤0.75W
	Turn on delay Time	≤0.75s, @120Vac (When the light begins to shine)
Aux Output	Output Voitage	24V±10%
	Output Power	3W
	Output Current	125mA
	No load output voltage	30V MAX
	Ripple Voitage	≤1V
Function	Dimming Type	DALI 2.0 D4i
	Dimming Range	1%-100%
	Dimming curve	Logarithm
	Flicker	Flicker free
Protection	Short-circuit protection	Short circuit without output, troubleshooting results in normal output
	Overload protection	Reduce current hiccup protection, troubleshoot and output normally
	Over Voltage	Reduce current hiccup protection, troubleshoot and output normally

Safety& EMC	Surge	L-N 2500VAC L&N-PE 2500VAC
	Withstand Voltage	I/P-O/P:3750Vac/1min/<5mA, I/P-G:1500Vac/1min/<5mA, O/P-G:500Vac/1min/<5mA, O/P-DALI(Signal port):1500Vac/1min/<5mA
	Safety Standards	EN61347-1,UL8750,UL1310
	EMC Eission	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547
	Insulation Resisance	5MΩ
Others	Working Temp.	-20℃~+50℃ (-4°F~122°F)
	Storage Temp., Humidity	-40℃~80℃ (-40°F~194°F), 5%-90%RH
	tc	70℃ (158°F)
	Material	Metal
	IP Rating	IP20
	Lifetime	50,000h@tc:70℃ (158°F)
	Warranty Condition	5years
	Switch Cycle	>25,000 times
	Dimension	280*30*21mm (11*1.18*0.827 Inch) (L*W*H)
	Packing(weight)	Net weight: 250g(0.55 lb)±5%/PCS; 50PCS/Carton; 13kg(28.66 lb)±5%/Carton; Carton Size: 498*334*130mm(19.6*13.15*5.12 Inch)

Dimension(mm)

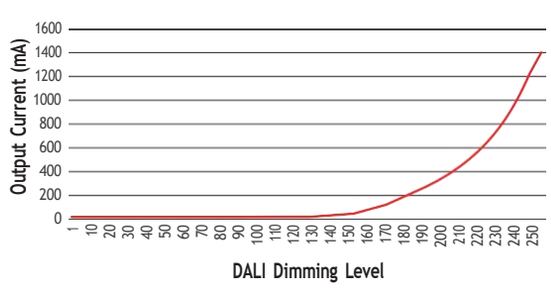


Wiring Diagram

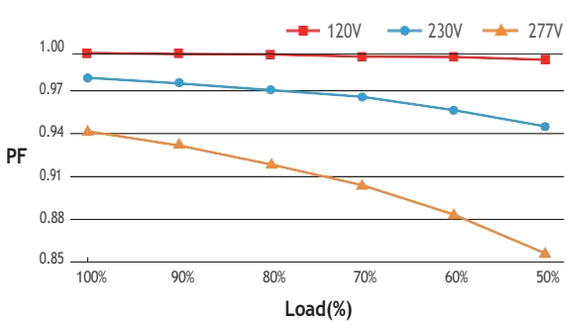


DALI Signal Input

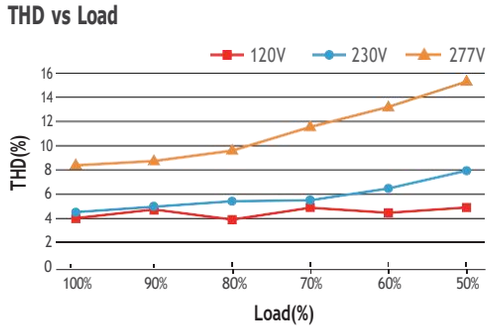
Dimming Curve



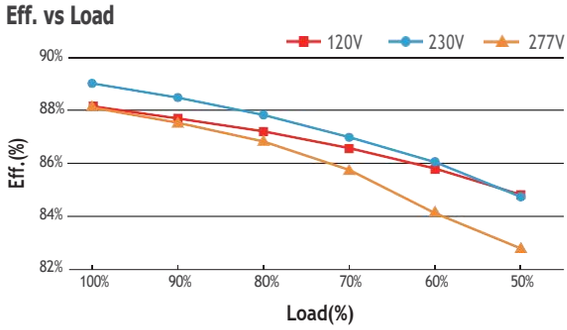
PF vs Load



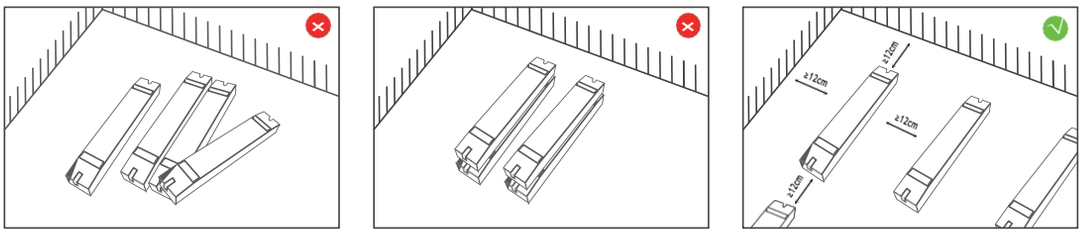
THD vs Load



Eff. vs Load



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.

Max. quantity of drivers per miniature circuit breaker

Specification item	Value	Value	Condition
Inrush current I_{peak}	7A (120V)	28A (277V)	Input Voltage120V/277V
Inrush current T_{width}	100us (120V)	80us (277V)	Input Voltage120V/277V, measured ta 50% I_{peak}

MCB	Input Voltage 120V Drivers	Input Voltage 277V Drivers	MCB	Input Voltage 120V Drivers	Input Voltage 277V Drivers
B10	27pcs	38pcs	C10	27pcs	58pcs
B13	35pcs	50pcs	C13	35pcs	76pcs
B16	43pcs	60pcs	C16	43pcs	94pcs
B20	54pcs	77pcs	C20	54pcs	117pcs
			D16	43pcs	94pcs

Cautions

1. This product must be installed and adjusted by a qualified professional.
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. Due to safety concerns, PVC or rubber cord of 0.75- 2.5mm² is recommended for input and output terminal(s)(excluding signal terminals). Flat power cord is not suitable.Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
7. In case of malfunction, do not repair it yourself.

※ 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:

1. Beyond warranty periods.
2. Any artificial damage caused by high voltage, overload, or improper operations
3. Products with severe physical damage.
4. Damage caused by natural disasters and force majeure.
5. Warranty labels and barcodes have been damaged.
6. No any contract signed by EUCHIPS.

· Repair or replacement provided is the only remedy for customers. EUCHIPS is not liable for any incidental or consequential damage unless it is within the law.
· EUCHIPS has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.