

30W Intelligent Series - PU030A105AQI0 (DALI,1ch)

Features

- Adjustable current range from 200mA to 1200mA.
- Flicker-free dimming from 100% to 0.1%, gamma-corrected curve.
- Built-in DALI capability, 1ch
- Compact size, high performance, high reliability
- RoHs compliant
- 2-year warranty



210 × 40.45 × 33.5mm

Electrical Specifications

Input voltage range	100~277VAC
Frequency	47~63Hz
Input current	0.4A(MAX)
Rated power	30W
Power factor	0.95 at 110VAC; 0.92 at 220VAC (typical)
Efficiency	87%(typical)
Output voltage range	2.5~50VDC
Output current range	200mA~1200mA (settable)
Protections	Over voltage, short circuit, over temperature: auto recovery

Environmental Specifications

Operating temperature	-20℃ ~ +60℃
Storage temperature	-40℃ ~ +85℃
Maximum case temp.	85℃
Cooling method	Convection
Reference dimension (L x W x H)	210 × 40.45 × 33.5 (mm)

Safety & EMC Compliance

CUL	UL8750, UL1310, CAN/CSA-C22.2 No.223-M91
CE	EN 61347.1; EN61347-2-13
Conducted emissions	EN55015 Class B; FCC part15 ClassB;
Radiated emissions	EN55015 Class B; FCC part15 ClassB;
Harmonic current emission	IEC / EN61000-3-2 Class C
Electromagnetic immunity	IEC / EN61547

Function Description

- Adjustable current output:
The current output can programmed in 1mA steps from 200 mA to 1200 mA.
This programming can be done at the factory or in the customers place of business.
This permits optimization of the current for the LED light engine and conformance to Energy Star Requirements.
- Resolution: 20 bit resolution Max
- Dimming: Supports a wide range of dimming from 0.1 % to 100% with linear or gamma corrected dimming curve & flicker-free at all levels.
- High Efficiency: 87% (typical)
- Interface: LED Code
- Temperature Management: By connecting a 47kΩ NTC thermistor, temperature feedback is provided to insure that normal LED operating temperatures are maintained.
- Programming (internal)(optional):
(a) temperature (see above), (b) time-of-day, (c) output current,
(d) LED bridging (e) LED aging (current compensation at the 30% end of life)

Numbering
System

LED Driver
- General Series
- Outdoor Use
- PU Series

LED Driver
- General Series
- Outdoor Use
- MU Series

LED Driver
- General Series
- Outdoor Use
- Half Potted Series

LED Driver
- General Series
- Outdoor Use
- Other Types

LED Driver
- General Series
- Indoor Use

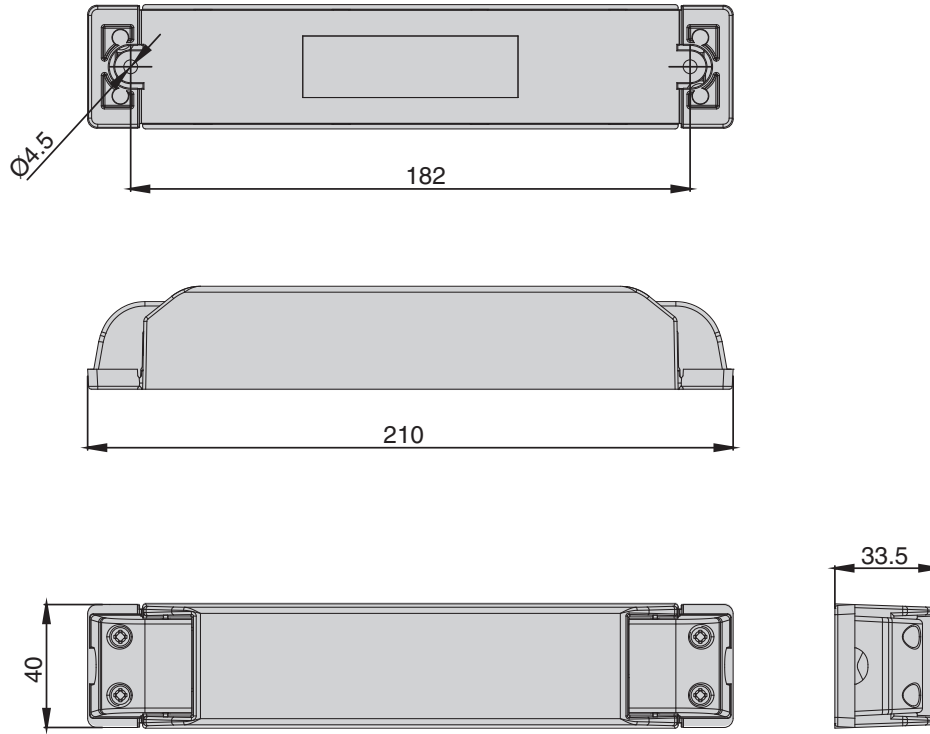
LED Driver
- Intelligent Series
- 30W Intelligent Series

LED Driver
- Intelligent Series
- 30W Intelligent Series

LED Driver
- Programmable Series
- Clock Control Series

General
Power Supplies
- MF Series

■ Mechanical Outline (unit: mm)



Numbering
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LED Driver
- General Series
- Outdoor Use
- PU Series

LED Driver
- General Series
- Outdoor Use
- MU Series

LED Driver
- General Series
- Outdoor Use
- Half Potted Series

LED Driver
- General Series
- Outdoor Use
- Other Types

LED Driver
- General Series
- Indoor Use

LED Driver
- Intelligent Series
- 50W Intelligent Series

LED Driver
- Intelligent Series
- 30W Intelligent Series

LED Driver
- Programmable Series
- Clock Control Series

General
Power Supplies
- MF Series