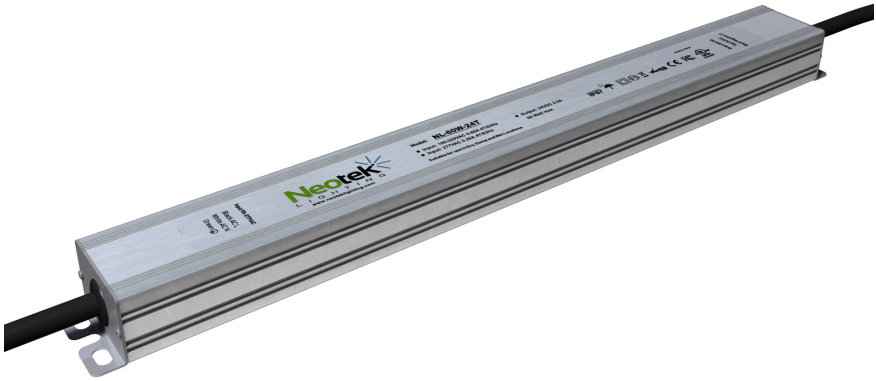
NL-60W-24T

TRIAC DIMMABLE | CONSTANT-VOLTAGE DRIVER

PROSERIES
LED POWER SUPPLY

PROSERIES / 24VDC IP67 LED POWER SUPPLY



NL-60W-24T | 24VDC CONSTANT VOLTAGE | TRIAC DIMMING **IP67**

60 W	24 VDC	IP67
RATED OUTPUT POWER	DC OUTPUT VOLTAGE	ENCLOSURE PROTECTION

PRODUCT OVERVIEW

Neotek NL-60W-24T is a 60-watt constant-voltage LED driver for compatible 24VDC architectural linear lighting systems. The enclosed aluminum form factor provides IP67 protection for appropriately installed wet-location projects. The driver supports AC phase-cut (TRIAC) dimming with compatible leading-edge or trailing-edge controls.

PRODUCT & APPLICATION HIGHLIGHTS

- [ ] 100-277 VAC source input range
- [ ] 24VDC constant-voltage output
- [ ] IP67 enclosed driver
- [ ] Source safety listing; verify scope
- [ ] Phase-cut dimmable (TRIAC)
- [ ] Metal housing / IP67 enclosure

NL-60W-24T

ELECTRICAL | SAFETY & PROTECTION

PROSERIES
LED POWER SUPPLY

OUTPUT / INPUT ELECTRICAL SPECIFICATIONS

DC OUTPUT

Rated output power	60 W	**Nominal DC current**	2.50 A (calculated)
Output voltage	24 VDC	**Source-listed DC current**	0.66 A*
Voltage accuracy	+/- 5%	**Output type**	Constant voltage
Voltage regulation	+/- 5%	**Ingress protection**	IP67
Load regulation	+/- 1%	**Safety basis**	UL 8750 + UL 1310

AC INPUT & POWER QUALITY

Input voltage	100-277 VAC*	**Full-load efficiency**	>79% to >81%
Input frequency	47-63 Hz	**AC current @ 100V**	0.66 A typical
Power factor / 110V	PF >= 0.99	**AC current @ 277V**	0.26 A typical
Power factor / 277V	PF >= 0.98	**Inrush current**	7 A, 50%, 420 us

PROTECTION / COMPLIANCE

Short circuit	Hiccup mode; auto recovery after removal
Overload	Approx. 120% shutdown; restart to recover
Over temperature	100 C +/- 10 C shutdown; auto cooling recovery
Source markings	cULus; Class 2 / Class P (verify)

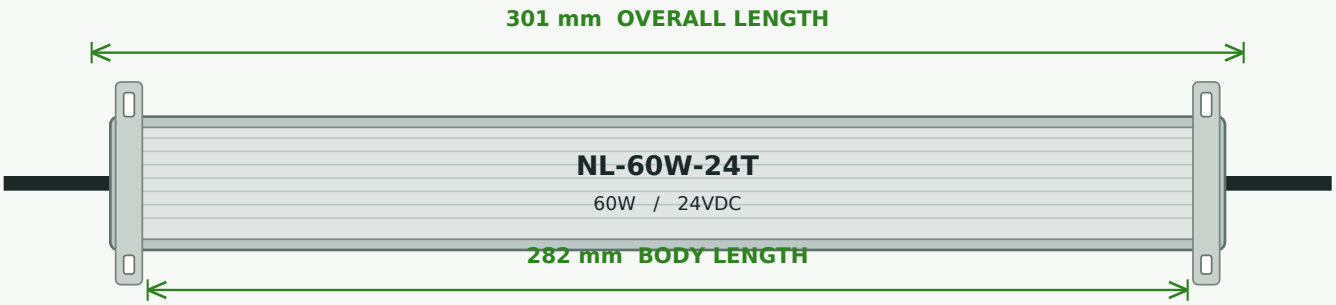
NL-60W-24T

MECHANICAL | INSTALLATION ENGINEERING

PROSERIES

LED POWER SUPPLY

ENCLOSURE DIMENSIONS / MOUNTING



END VIEW 32 mm W x 20 mm H

MOUNTING CENTERS: 291 mm

MECHANICAL DATA

Overall length incl. tabs	301 mm / 11.85 in
Body length	282 mm / 11.10 in
Mount center spacing	291 mm / 11.46 in
Cross-section	32 mm wide x 20 mm high
Source-listed weight	0.20 kg
Housing / environment	IP67 enclosed linear aluminum housing

DERATING REFERENCE

Operate within the rated temperature and load limits. Refer to the approved model-specific derating data before sizing at elevated ambient temperatures.

NL-60W-24T

DIMMING | INSTALLATION & SUBMITTAL

PROSERIES

LED POWER SUPPLY

DIMMING CONTROL / CONNECTION CONCEPT

AC PHASE-CUT INPUT

AC TRIAC DIMMER	AC	NL-60W-24T	DC	24 VDC LED LOAD

Compatible leading-edge or trailing-edge AC dimmers are identified in the legacy information; trailing-edge controls are preferred. Verify dimmer compatibility, minimum/maximum loading and line-side wiring with Neotek before commissioning.

ENVIRONMENT & INSTALLATION

Operating ambient
-40 C to +60 C

Operating humidity
20-90% RH, non-condensing

Storage temperature
-40 C to +80 C

Storage humidity
10-95% RH

EMC reference
FCC Part 15B

Installation
Qualified electrical professional

ORDERING / PROJECT DETAILS

NEOTEK MODEL

24 VDC | TRIAC | IP67

NL-60W-24T

PROJECT / LOCATION _____

QUANTITY _____ DRIVER LOAD _____ W CONTROL _____

ENGINEERING NOTES / SOURCE REVIEW

The source describes 100-227 VAC in its heading and 100-277 VAC in its input table. The published DC current (0.66 A) does not agree with its 60 W / 24 V rating; 2.50 A above is nominal arithmetic only. Confirm input range, output current, wiring and listings for the shipped unit.