DayTech LED

5250 Satellite Drive, Unit 7, Mississauga ON L4W 5G5
Tel 905-617-0298
www.daytechled.com

LED DRIVER · PRODUCT SPECIFICATION

Universal Dimming Multi-Channel LED Driver

PART NO. **PS-288W-3CH-UNV-DIM**

CLASS 2 | cUL LISTED | IP65 | 5-YEAR WARRANTY



UNV-DIM Series · 2 / 3 / 4 Channel
Metal housing, integrated wiring compartment
cUL Listed

c UL us LISTED

QUICK SPECS

INPUT VOLTAGE	OUTPUT VOLTAGE	PER CHANNEL
100–277 VAC	24 VDC	96 W

TOTAL POWER	EFFICIENCY (MIN.)	DIMMING DOWN TO
192–384 W	90 %	0.1 %

PRODUCT OVERVIEW

A Class 2 hard-wire, **universal dimming** constant voltage driver with 2, 3 or 4 independent 24VDC channels of 96W each. Works with 0–10V / 1–10V controls and with electronic (ELV) and magnetic (MLV) TRIAC phase dimmers for smooth, flicker-free dimming. Runs at 100% output when no dimming signal is connected, so it can also be used as a standard power supply.

FEATURES

- Universal dimming: 0–10V / 1–10V, ELV and MLV TRIAC
- 2, 3 or 4 channels at 24VDC, 96W (4A) per channel
- Universal 100–277VAC input · PF 0.95 min.
- Smooth, flicker-free dimming · logarithmic curve
- Overload, short circuit and over-current protection
- IP65, dry and damp locations · UL 8750, CSA Class 2

ORDERING INFORMATION

Select one model

PART NUMBER	CHANNELS	PER CH.	TOTAL	DESCRIPTION
PS-192W-2CH-UNV-DIM	2	96W	**192W**	192W Class 2 hard wire, universal dimming, IP65. 2 channels of 96W output, 100–277VAC input.
PS-288W-3CH-UNV-DIM	3	96W	**288W**	288W Class 2 hard wire, universal dimming, IP65. 3 channels of 96W output, 100–277VAC input.
PS-384W-4CH-UNV-DIM	4	96W	**384W**	384W Class 2 hard wire, universal dimming, IP65. 4 channels of 96W output, 100–277VAC input.

QTY _____ PO # _____ PROJECT _____

Specifications subject to change without notice.

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LED DRIVER · TECHNICAL DATA

Technical Specifications

PART NO. **PS-288W-3CH-UNV-DIM**

INPUT

Input Voltage	**100–277VAC, 50/60Hz**
Power Factor (min.)	**0.95 @ 120 / 277VAC, full load**
THD	**<10% @ 120VAC, <15% @ 277VAC**
Efficiency (min.)	**90% @ 120VAC, full load**
Inrush Current	**50A @ 120VAC, 0.6 ms (cold start)**
Standby / No-Load Power	**<4W @ 120VAC**

OUTPUT

Output Voltage	**24VDC ±5%**
Power per Channel	**96W (4A)**
Channels	**2, 3 or 4 (by model)**
PWM Frequency	**20kHz**

DIMMING

Dimming Type	**0–10V / 1–10V, ELV & MLV TRIAC**
Range (0–10V)	**0.1–100%**
Range (TRIAC / ELV)	**1–100%**
Curve	**Logarithmic, flicker-free**

PROTECTION

Short Circuit	**All channels off, auto-recovery**
Overload	**Affected channel off, auto-recovery**
Over-Current	**Output off, auto-recovery**
Surge	**L-N 2kV · L-N-PG 4kV**

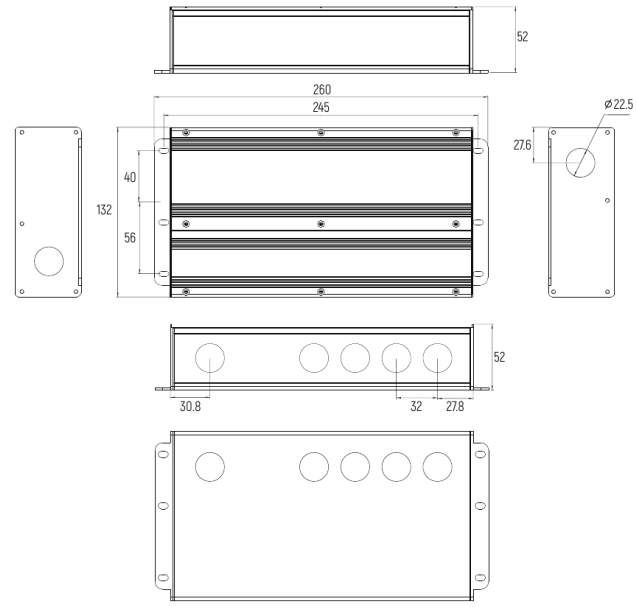
SAFETY & ENVIRONMENT

Safety Standards	**UL 8750, UL 1310, CSA Class 2**
EMC	**FCC Part 15B**
Operating Temp.	**-20 °C to 60 °C**
Max. Case Temp. (tc)	**85 °C**
IP Rating	**IP65 (dry & damp)**

MECHANICAL & WARRANTY

Housing	**Metal**
Dimensions (3-ch)	**260 × 132 × 52 mm**
Lifetime	**50,000 h @ tc 85 °C**
Warranty	**5 years**

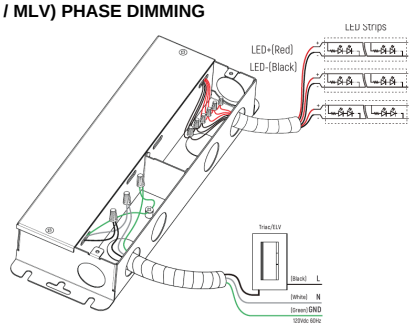
DIMENSIONS



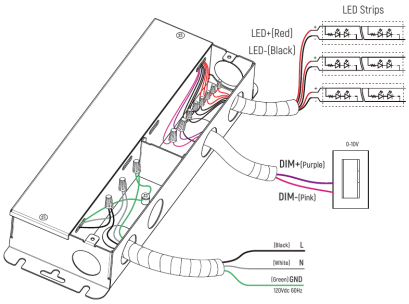
PS-288W-3CH-UNV-DIM shown · dimensions in mm

WIRING

TRIAC (ELV / MLV) PHASE DIMMING



0–10V DIMMING



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