UNITY 1 GATEWAY
UNITY GATEWAY IP INTERFACE

MADE IN AMERICA

PURE EDGE
Pure Smart Lighting

DESCRIPTION

The Unity 1 Intelligent IP Gateway devices are engineered to provide comprehensive control over a broad spectrum of lighting and motor control devices via wired or optional wireless Ethernet connectivity.

Typically, only one Unity Gateway is needed for most applications, streamlining setup and operation. The Gateway's support for diverse systems and protocols makes it a versatile choice for comprehensive lighting and motor control.

In essence, the Unity Gateway stands out as a highly adaptable and powerful solution for integrating and managing a wide range of lighting and motor control devices, fitting seamlessly into both residential and commercial automation systems.

FEATURES

- Versatile Connectivity: The Unity Gateway supports both wired and wireless Ethernet connections, facilitating control over a vast array of lighting and motor control devices.
- Unity 1 Gateway Integration: By default, the Gateway communicates seamlessly with a variety of Unity Gateway connected devices, ensuring wide compatibility with existing systems.
- DALI-II Support: It includes connectivity options for DALI-II encoders, enabling compatibility with DT8 compliant DALI-II fixtures for flexible integration.
- Custom Device Drivers: Comes with a comprehensive set of device drivers tailored for all major lighting and automation systems such as Lutron, Crestron, Control4, NICE/ELAN, RTI, URC, and Vantage. This ensures smooth operation across various platforms.
- The Unity 1 Gateway platform offers robust functionality to connect, commission, and control a virtually limitless range of supported lighting and motor devices.
- Can be located up to 4000 feet away from controlled devices
- Built-in Human Centric (Circadian) Server that accurately tracks the sun for calibrated luminaires

CONNECTIVITY

Ethernet, Wifi 802.11 a/b/g/n, TCP, UDP, TELNET Client, ARP, ICMP, DLC, WINS, WEB Server, HTTP. DNCP, NetBIOS, SNTPO, CGI and XML processor

POWER INPUT

- Built-In POE
- 12-24VDC Power Input
- LV004W – 24 – UNV

AMBIENT OPERATING TEMPERATURE
-30° C to 70° C

LIFETIME
50,000 hours

INSTALLATION

The Unity Gateway features a built-in 32-bit processor that streamlines setup and ensures the device can be easily upgraded to stay current with future developments. Designed for plug-and-play operation, it offers a range of user-friendly features;

Automatic Discovery: The Gateway is automatically discoverable through Windows File Explorer, making it easy to locate and manage.

Dynamic IP Addressing: Its network address (IP) is assigned dynamically by a built-in DHCP server, requiring no manual input from users.

Network Configuration: For users needing static IP addressing or other network settings adjustments, these can be easily modified through embedded web pages viewable in any browser.

Broad Compatibility: The Unity Gateway is supported by free drivers for all major control and automation systems. Many systems can automatically detect the Gateway without additional installer setup.
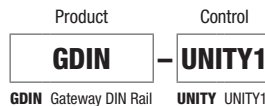
Fixture Auto-Discovery: Advanced automation platforms can also auto-discover all fixtures connected to the Gateway, further simplifying integration and management.
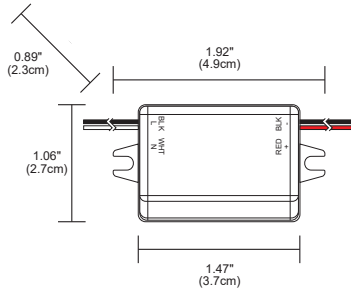
APPLICATIONS
Indoor, Dry locations only

COMPLIANCE
Made in America

Product		Control
GDIN	–	**UNITY1**
GDIN Gateway DIN Rail		**UNITY** UNITY1

PROJECT		FIXTURE TYPE		DATE	

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OVERVIEW

Unity Gateway Dimensions

H: 2.4" (6.1cm)

2.1" (5.3cm)

3.5" (8.9cm)

PORT 2   PORT 1   PORT 0

PURE EDGE
LIGHTING

UNITY 1 GATEWAY
DIN RAIL

GDIN-UNITY1

10/100 Ethernet   12-26VDC   +   -
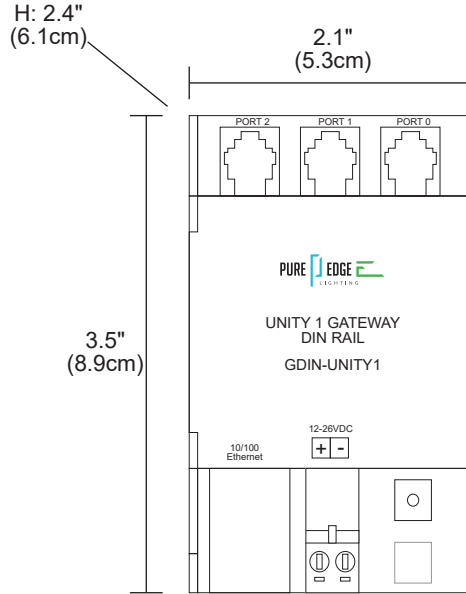
HARDWIRED POWER SUPPLY (OPTIONAL)

Small and compact 120V-277VAC. 24VDC output. 4 Watt max. Optionally used with the PureEdge Gateway series. **This power supply is optional. The Gateways have POE functionality and/or any 12V/24VDC power supply will work.**

0.89" (2.3cm)

1.92" (4.9cm)

1.06" (2.7cm)

1.47" (3.7cm)

BLK L   WHT N   RED +   BLK -

HATCH
www.hatchlighting.com

INPUT 120-277VAC
0.12/0.06A
50/60Hz

OUTPUT VDC

Product	Voltage	Type
LV004W	**24**	**UNV**
LV004W Power Supply	24 24Volt DC output, 4 watt max	UNV 120V-277V Input

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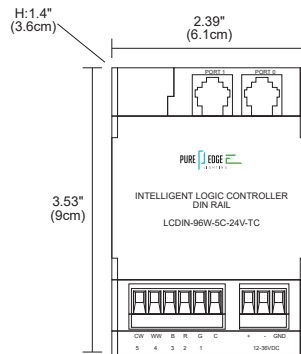
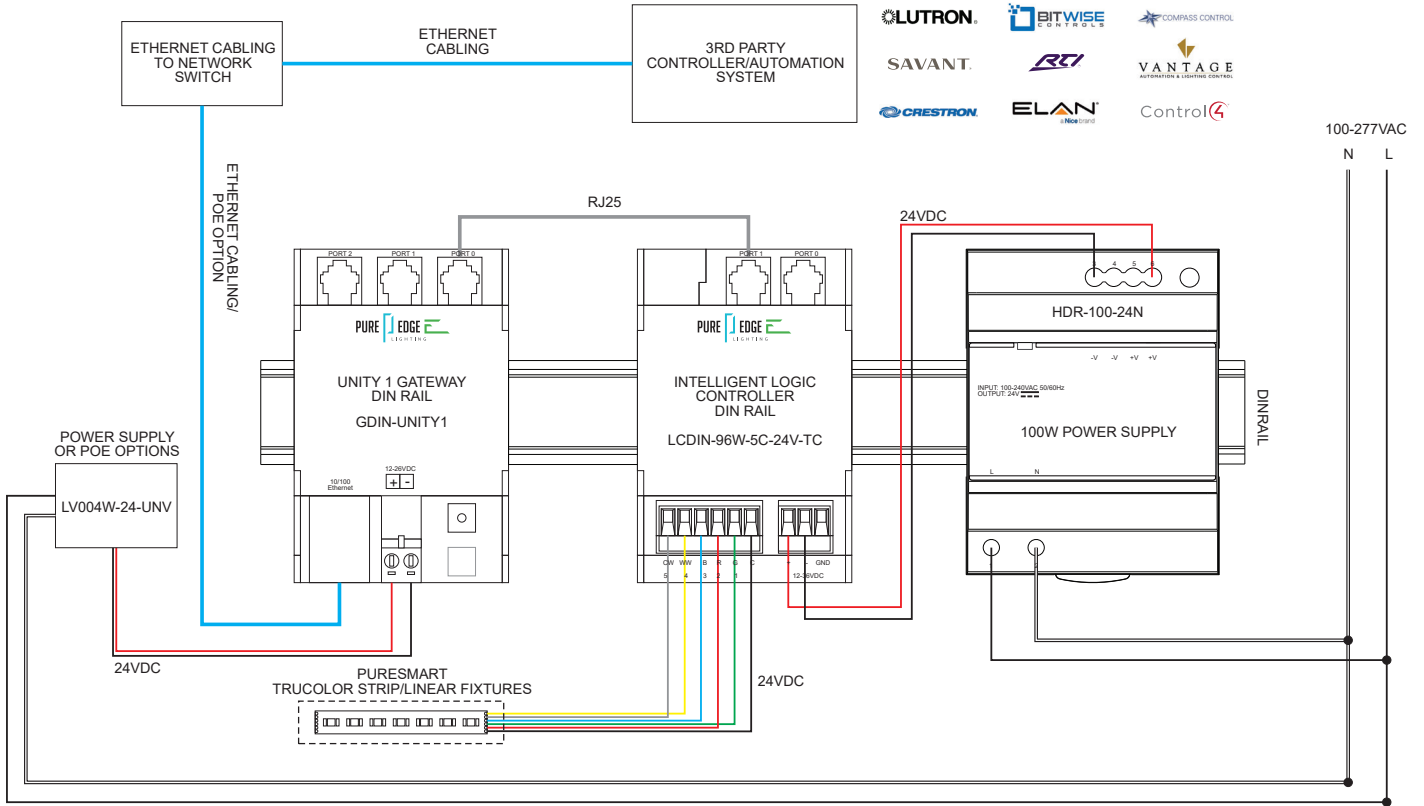### INTELLIGENT LOGIC CONTROLLER DIN RAIL

The Intelligent Logic Controller is a cutting-edge networkable controller designed specifically for 5-channel constant voltage luminaires. It surpasses traditional LED ballasts, LED drivers, and DMX controllers by integrating PureEdge's TruColor™ technology. This combination ensures precise control over all five channels, delivering highly accurate Correlated Color Temperature (CCT) levels and vibrant color output. This makes the Intelligent Bridge Box the ideal choice for managing 5-channel luminaires with precision and flexibility.

This component is intended to be used in conjunction with at least one per application of GDIN-UNITY1.

H: 1.4" (3.6cm)

2.39" (6.1cm)

3.53" (9cm)

PureEdge Lighting
Intelligent
Logic Controller
LCDIN-96W-5C-24V-TC

PORT 1   PORT 0

PURE EDGE
LIGHTING

INTELLIGENT LOGIC CONTROLLER
DIN RAIL

LCDIN-96W-5C-24V-TC

CW WW B R G C   + GND
5   4   3 2 1   12-36VDC

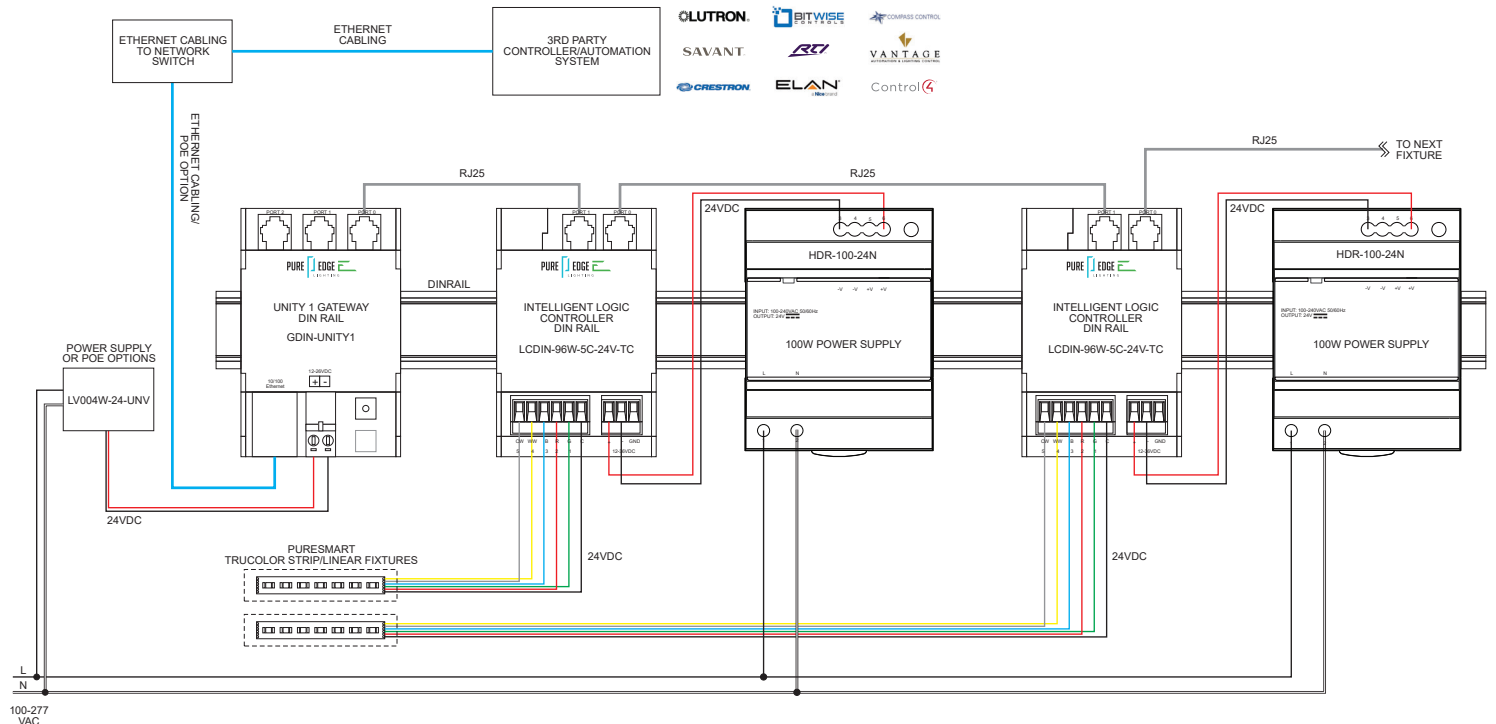| Product	Wattage	Control	Voltage	Color Temperature
LCDIN	**96W**	**5C**	**24V**	**TC**
LCDIN Logic Controller DIN Rail	96W 96 Watts	5C 5 Channel	24V 24 VDC	TC TruColor™ Red, Blue, Green, Tunable White 1600K-6500K

NETWORK TOPOLOGY & WIRING DIAGRAMS

Single Application

Multiple Application

PROJECT		FIXTURE TYPE		DATE	

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Luca TruColor™ Combination

PROJECT		FIXTURE TYPE		DATE	

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