

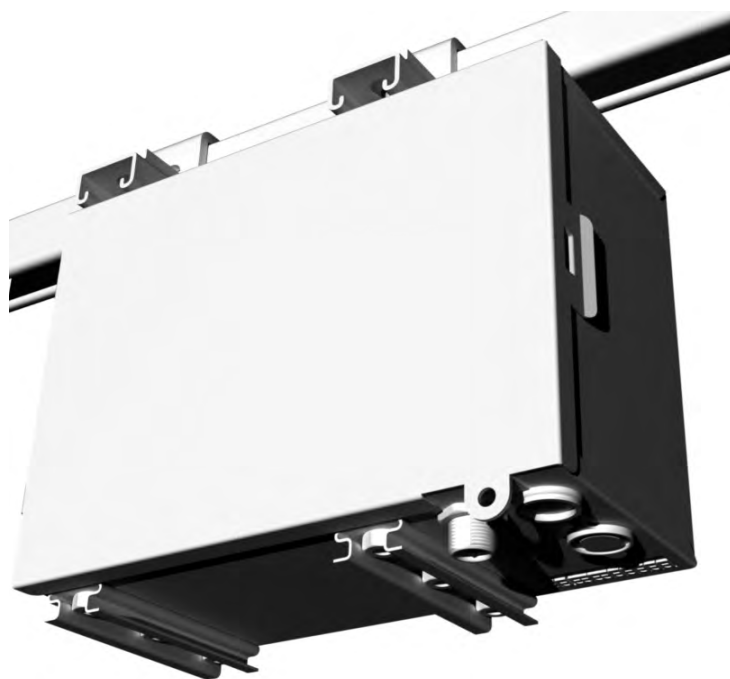


Radically Efficient Modular Lighting

CLIQ™ MODULAR LOW VOLTAGE LIGHTING SYSTEM

The CLIQ™ Power Supply is Purpose-Built for Rapid Installation in Large-Scale Lighting Application.

Featuring bolt-mounted connections for fast, single-person strut channel system installation, the power supply enclosure can also be mounted to walls or structural grid ceilings for maximum jobsite flexibility. Delivering 48V Class 2 low-voltage power from a 120–277V input, CLIQ reduces high-voltage complexity, minimizes field wiring and supports faster, safer installs across data centers, warehouses and industrial environments.



PERFORMANCE

Warranty	3 Years / 1 Year EM
IP Rating	IP54
Rated Life	L70 50,000 Hours
Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Certifications	CE, Damp Location, FCC, UL, ULC

PHYSICAL

Housing Material	Welded Steel
Mounting Type	Surface, Strut Channel or Structural Grid
Cable / Connectors (Included)	UF Rated 90' Leader
Finish	Black Powder Coat
Enclosure Dimensions (Includes Power Supply)	11.5"L x 5.5"W x 9.5"H
Enclosure Weight (Includes Power Supply)	13.5 lbs. / 19.6 lbs. EM

ELECTRICAL

Input Voltage	120-277V AC
Output Voltage	48V DC
Power Factor	>0.95
Dimmable	0-10V and Pulse Width Modulation (PWM)

ORDERING LOGIC

EX: CLIQ-ENC-U-5CH-480-615P-EM

CLIQ	ENCLOSURE	MOUNTING	CHANNEL QUANTITY	WATTAGE	INPUT	EM BACKUP*
CLIQ	ENC	D - Double Strut G - Structural Grid S - Surface U - Strut Channel	4CH* - Four Channel EM 5CH** - Five Channel 10CH† - Ten Channel	120 - 120W 240 - 240W 400 - 400W EM* 480 - 480W 960 - 960W	515P - 3 Prong 15A, 120V AC 520P - 3 Prong 20A, 120V AC 615P - 3 Prong 15A, 240V AC 620P - 3 Prong 20A, 240V AC 730P - 3 Prong 30A, 277V AC WIRE - Panel with Flying Leads	BLANK - None EM - Backup

*4CH available in 400W EM only.

**5CH available in 120W, 240W and 480W.

†10CH available in 960W only.

MOUNTING OPTIONS

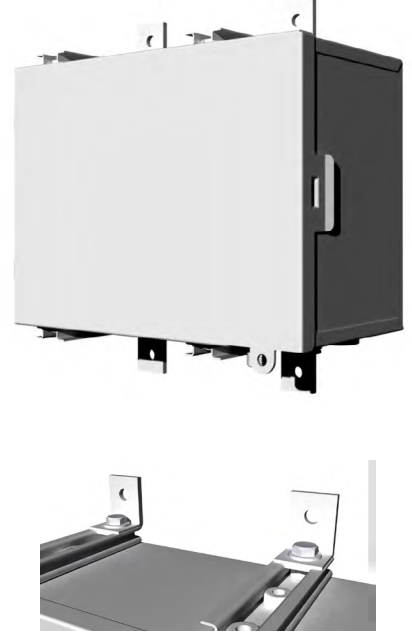
Strut Channel System



Surface-Ceiling & Structural Grid Mount

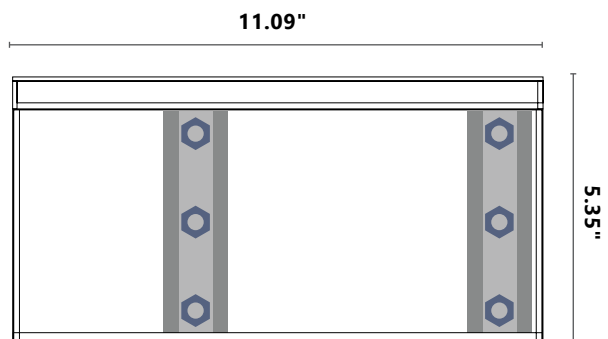
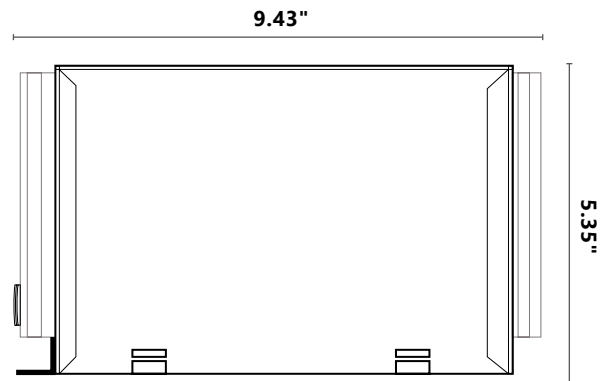


Surface-Wall Mount



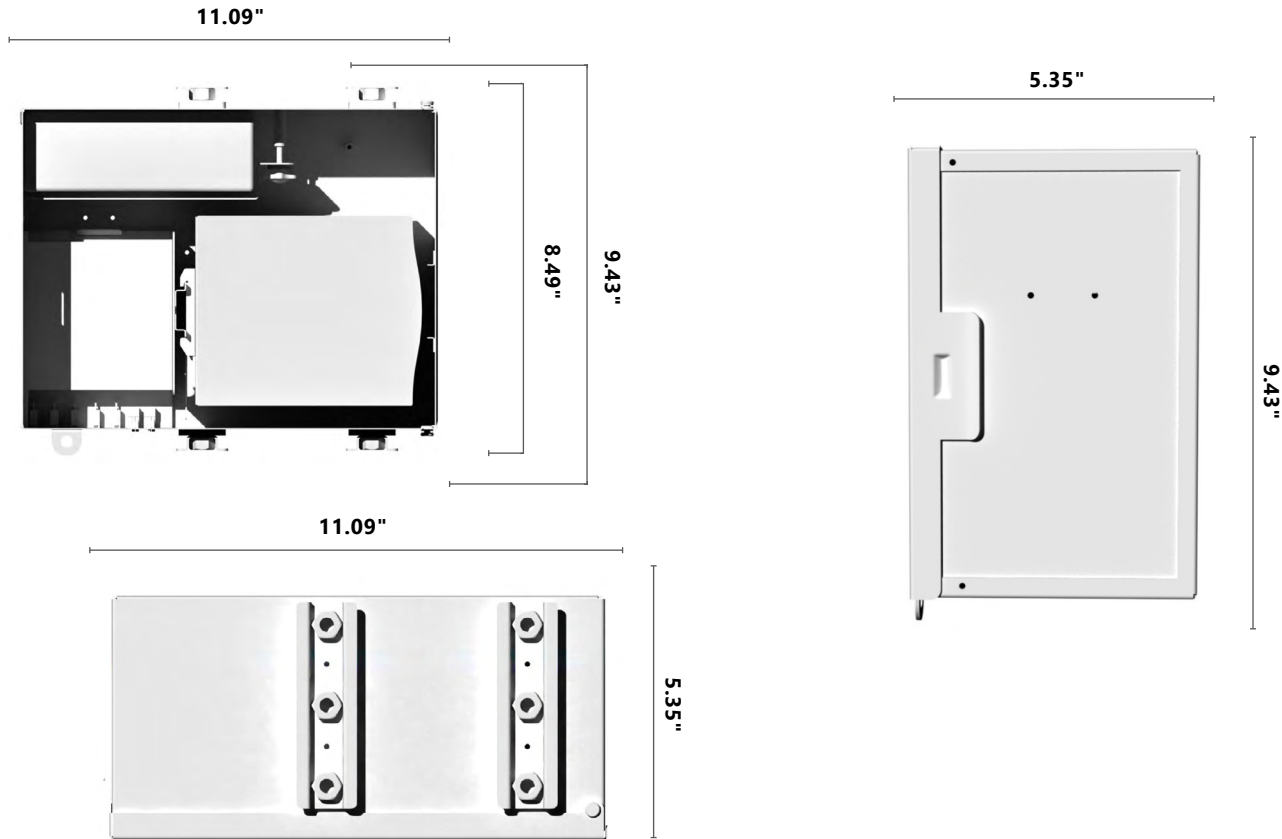
POWER SUPPLY ENCLOSURE DIMENSIONS

Without Emergency Battery



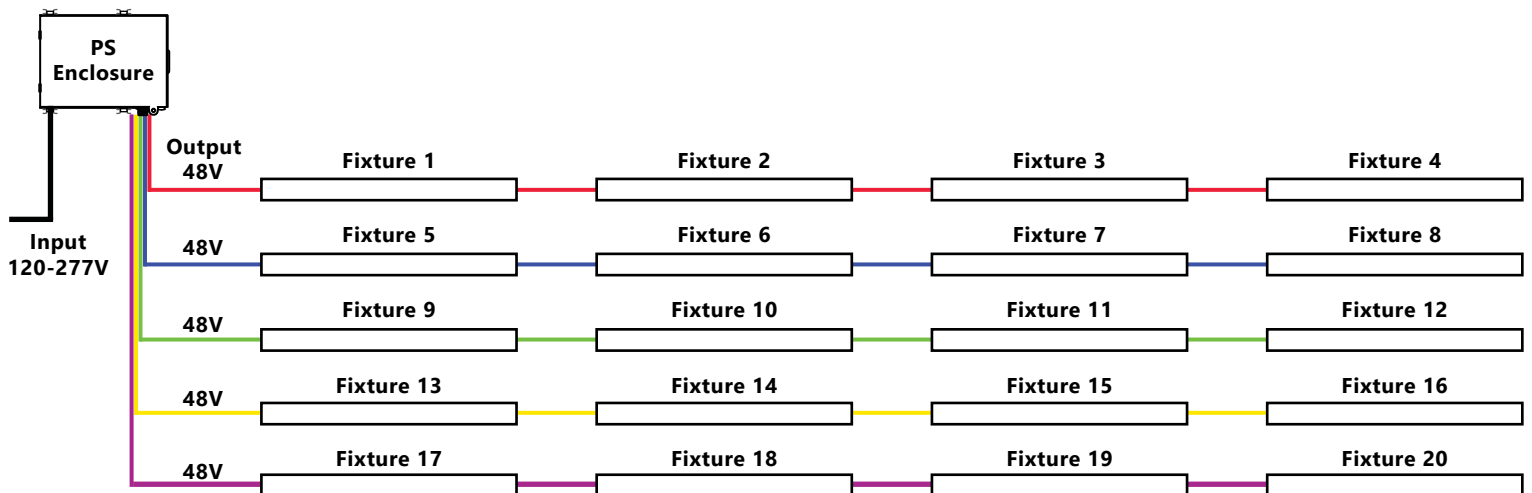
POWER SUPPLY ENCLOSURE DIMENSIONS WITH EM BATTERY

With Emergency Battery



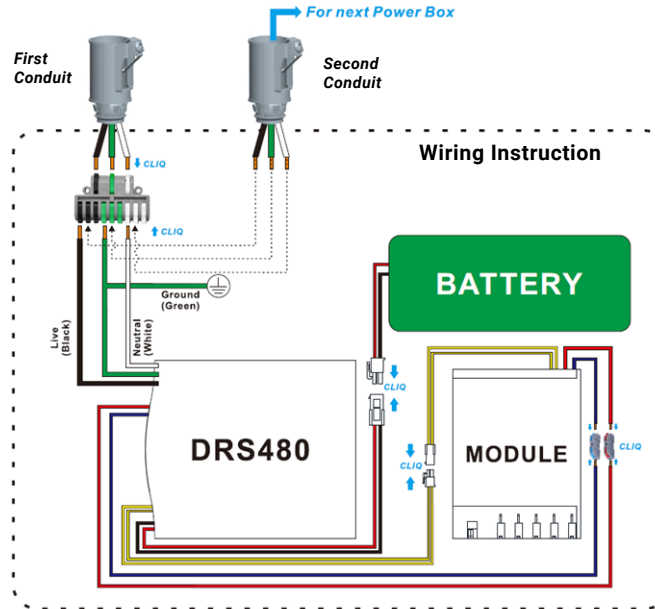
CLIQ SYSTEM WIRING DIAGRAM

Based on 24W fixtures to maintain Class 2.



POWER ENCLOSURE WIRING & ALARM DIAGRAM

Charging & Discharging Time for (16) 24" Light Bars: Charging time - five (5) hours / Discharging Time - two (2) hours.



Alarm signals

- (1) Alarm Signal is sent out through "AC Fail", "Battery Low" and "Charger Fail" pins via relay contact.
- (2) An external voltage source is required for this function. The maximum applied voltage is 30V DC and the maximum sink current.
- (3) Table 1.1 explains the alarm function built in the power supply

INPUT	AC fail		DC OK		Battery low/Abnormal /Disconnected		Charger fail	
	2-3	1-3	5-6	4-6	8-9	7-9	11-12	10-12
AC only	closed	open	closed	open	open	closed	...	...
AC + BAT.	closed	open	closed	open	closed	open	...	...
BAT. only	open	closed	closed	open	closed	open	...	...
Low BAT. (<30% capacity)	...	...	...	...	open	closed	...	...
Charger Fail	...	...	...	...	...	...	open	closed

Table 1.1 - Explanation of alarm signal

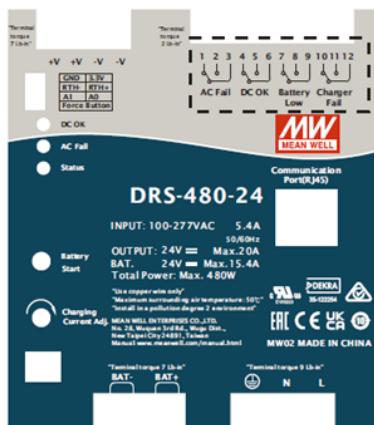


Fig 1.1 - Alarm Signal Terminals

Function		Description	Output of alarm
DC OK		DC fail	OFF
		DC OK	Green
AC fail		AC fail	Red
		AC OK	OFF
Status	Charging status	Float	Green
		Charging: CC/CV	Orange
	System diagnosis	Discharging	Orange: 1 Blink/Pause
		Charger fail	Red: 1 Blink/Pause
		Battery overvoltage / Battery reverse polarity	Red: 2 Blink/Pause
		Battery low / No Battery	Red: 3 Blink/Pause
		Battery discharge peak power timeout.	Red: 4 Blink/Pause
		Over load / short	Red: 5 Blink/Pause
		Over temperature	Red: 6 Blink/Pause
		Timeout	Red: 7 Blink/Pause

Table 1.2 - LED Alarm