



Type(s)

Project

Date

Notes

GENERAL INFORMATION

ColorSource ThruPower provides up to 24 circuits of DMX-controlled power in a fanless wall-mount cabinet. The system is designed to allow schools, theatres, studios and other venues to control their transition to LED lighting without expensive revisions to their power infrastructure. Its user-friendly design provides access to change each circuit from phase-dimmed to switched to constant power control via remote DMX/RDM control or with the touch of a button directly at the cabinet.

APPLICATIONS

- Schools
- Theatres
- Town Halls
- Corporate Event venues
- Conference Centers

FEATURES

- 12- or 24-circuit models available
- Versatile control via DMX-512A/RDM
- Single contact closure plays a user-recorded look
- DMX addressing and softpatch via keypad or RDM
- Multi-language – English, Spanish, German and French
- True air-gap electro-mechanical relays
- CE/UKCA compliant
- ThruPower Relay provides three modes per circuit: Relay, Dim or Constant Circuit output

ORDERING INFORMATION

ColorSource ThruPower CE Cabinets

PART NO.	MODEL NO.	DESCRIPTION
7121A1213	CSTP-12	ColorSource ThruPower, SP, 12x10 A (2.3 kW)
7121A1213-ND	CSTP-12-ND	ColorSource ThruPower, ND 12x10 A (2.3 kW)
7121A1213-RCD	CSTP-12-RCD	ColorSource ThruPower, SP RCD/4 circuits, 12x10 A (2.3 kW)
7121A1213-RCDND	CSTP-12-RCDND	ColorSource ThruPower, ND RCD/4 circuits, 12x10 A (2.3 kW)
7121A1225	CSTP-24	ColorSource ThruPower, SP, 24x10 A (2.3 kW)
7121A1225-ND	CSTP-24-ND	ColorSource ThruPower, ND, 24x10 A (2.3 kW)
7121A1225-RCD	CSTP-24-RCD	ColorSource ThruPower, SP RCD/4 circuits, 24x10 A (2.3 kW)
7121A1225-RCDND	CSTP-24-RCDND	ColorSource ThruPower, ND RCD/4 circuits, 24x10 A (2.3 kW)
7121A1313	CSTP-E-12	ColorSource ThruPower Enhanced, SP, 12x13 A (3 kW)
7121A1313-ND	CSTP-E-12-ND	ColorSource ThruPower Enhanced, ND 12x13 A (3 kW)
7121A1313-RCD	CSTP-E-12-RCD	ColorSource ThruPower Enhanced, SP RCD/4 circuits, 12x13 A (3 kW)
7121A1313-RCDND	CSTP-E-12-RCDND	ColorSource ThruPower Enhanced, ND RCD/4 circuits, 12x13 A (3 kW)

NOTES: SP=Single Pole, ND=Neutral Disconnect, RCD=Residual Current Device
6A breakers available upon request.

ThruPower 12/24 Accessories

PART NO.	DESCRIPTION
7121K1006	DIN Accessory kit (for mounting DIN rail products within the Accessory Bay)
7121K1001	RCD /4 Kit for 12 Circuit ND Cabinet
7121K1002	RCD /4 Kit for 24 Circuit ND Cabinet
7121K1003	RCD /4 Kit for 12 Circuit SP Cabinet
7121K1004	RCD /4 Kit for 24 Circuit SP Cabinet
7121K1000	Lockable Cover for UI and breakers

SPECIFICATIONS

ELECTRICAL

- Maximum feed capacity:
 - 80 A, Three phase, neutral + ground
- Input voltage 230 VAC +/- 10%; 47 – 63 Hz
- Input lugs rated for up to 8–65 mm²
- Output terminals, rated for up to 2.5 mm²
- Fully rated magnetic circuit breakers- eliminate nuisance trips
- Minimum recommended load per output 50 W
- Modular SCR and bonded heat sink assembly with superior surge, thermal transfer, and short-circuit immunity
- Dimmer Rise Time:
 - Standard - 80 μ S
 - Enhanced - 225 μ S
- 2500 V isolation between control and power components

CONTROL WIRING

- Removable terminals for DMX, Contact Input rated for maximum of 2.5 mm² wire

MECHANICAL

- 1.3 mm steel cabinet construction
- Fine-textured, scratch resistant paint
- Removable panels with pass-through plenum for side-by-side or top-to-bottom mounting configurations
- Full front access (side clearance not required)
- ThruPower models:
 - Mode select: choice of constant circuit, dimmed, and switched
 - Circuit breaker panel with optional tamper proof cover panel

THERMAL

- Ambient operating temperature between 0°C and 40°C
- Convection cooled without forced air (no fans)
- Humidity between 30–95% (non-condensing)
- Efficiency = 96% or better, maximum dissipation 3% of connected load (Max. 3,100 BTUs)
- Thermally tested for tandem vertical mounting of multiple cabinets

ACOUSTIC

- Maximum sound pressure is 45 dbA at 1 m.

USER INTERFACE

- High-contrast backlit LCD
- Six button keypad
- Power status indicator LED (Blue)
- DMX status indicator LED (Green)

REGULATORY AND COMPLIANCE

- CE/UKCA Compliant to the following standards:
 - EN61439-1
 - EN55015
 - EN61000-6-1
 - EN61000-6-2
- Complies with ESTA DMX512-A/RDM Standards

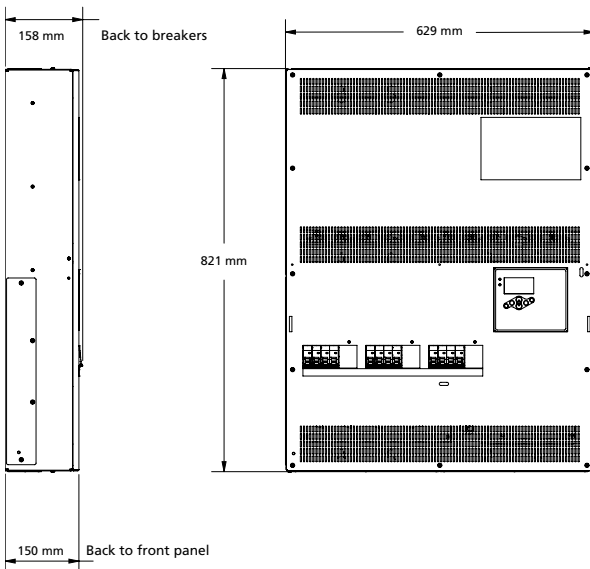
PHYSICAL

ColorSource ThruPower Cabinet Dimensions

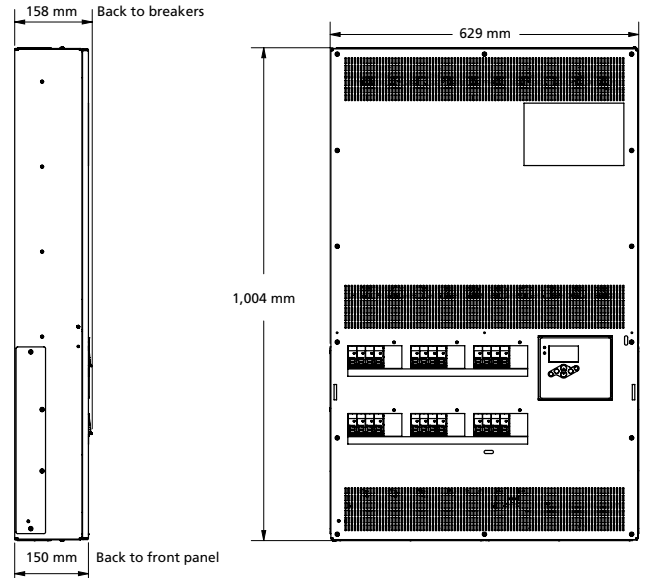
MODEL	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	DEPTH
	Dimensions			Shipping dimensions		
ThruPower 12	821 mm	629 mm	150/158 mm	1110 mm	720 mm	260 mm
ThruPower 12 Enhanced	821 mm	629 mm	150/158 mm	1110 mm	720 mm	260 mm
ThruPower 24	1004 mm	629 mm	150/158 mm	1110 mm	720 mm	260 mm

ColorSource ThruPower Weight

MODEL	WEIGHT	SHIPPING WEIGHT
ThruPower 12	36 kg	41 kg
ThruPower 12 Enhanced	43 kg	48 kg
ThruPower 24	46 kg	50 kg



ColorSource ThruPower 12
ColorSource ThruPower 12 Enhanced



ColorSource ThruPower 24

AVAILABLE FROM



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 Global Offices • London, UK • Rome, IT • Holzkirchen, DE • Paris, FR • Hong Kong
 Dubai, UAE • Singapore • New York, NY • Orlando, FL • Los Angeles, CA • Austin, TX
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