

RoscoLED[®] Control Box

Interior rated control device containing 100-240 VAC power supply and DMX decoder, providing flicker-free 0 – 100% dimming in two capacities: 300W or 400W. Power In/Out is Neutrik Powercon connectors. DMX In is 5-pin XLR or RJ45 connectors; DMX Out is RJ45 connector.

LED Tape outputs are Chogori Standard or Middle Series multi-pin connectors: Static White and VariWhite contain 4 outputs; VariColor RGB+W contains 3 outputs; VariColor RGBA contains two outputs.

General

1. The device shall be a RoscoLED Control Box as manufactured by Rosco.
2. The device shall be rated at 300W load for RoscoLED Tape Static White or 400W load for RoscoLED Tape VariWhite or RoscoLED Tape VariColor.
3. The device shall have all input/output chassis connections on the exterior of the box:
 - a. Power In/Out – Neutrik Powercon
 - b. DMX In – 5-Pin XLR and RJ45
 - c. DMX Out – RJ45
 - d. RoscoLED Tape outputs – Chogori Standard Series or Chogori Middle Series chassis connectors
4. In addition to the specifications put forth below, the RoscoLED Control Box must meet all specifications of “RoscoLED Tape Static White, VariWhite or VariColor Kit” data sheets as well as “RoscoLED Control Box User Guide”.

Physical

5. The device shall be constructed of extruded and stamped aluminum, free of burrs, with mounting flanges and painted black finish.
6. The device shall measure 13 in L x 9.2 in W x 3.5 in H (332 mm x 234 mm x 89 mm).
7. The device shall weigh 9.5 lb (4.3 kg).
8. The device shall be capable of operating between an environmental temperature of -4° F to +140° F (-200° C to +600° C).

Electrical

9. The device shall have a load rating which is not greater than 80% of the unit's integrated power supply capacity:
 - a. RoscoLED StaticWhite – 300W
 - b. RoscoLED VariWhite – 400W
 - c. RoscoLED VariColor – 400W
10. Each output port on the device shall have a rated ampacity of 5A @ 24VDC.
11. Up to 4 units under full load shall be capable of “Daisy Chain” on one 20A/120V single phase electrical circuit.

RoscoLED[®] Control Box

Control

12. Device outputs for RoscoLED Tape shall be:
 - a. RoscoLED StaticWhite - four female push-lock chassis connector outputs, either Chogori 2-Pin Standard Series or Chogori 2-pin Middle Series.
 - b. RoscoLED VariWhite - four female push-lock chassis connector outputs, either Chogori 3-Pin Standard Series or Chogori 3-pin Middle Series.
 - c. RoscoLED VariColor units - three female push-lock chassis connector outputs, either Chogori 5-Pin Standard Series or Chogori 5-pin Middle Series.
13. The device shall process DMX512A data inputs.
14. The device outputs shall have assignable DMX addresses using a dipswitch array integral to the device.
15. DMX daisy-chains shall be independent of power circuits.

Environmental and Agency Compliance

17. The device shall be ETL Listed with conformance to UL 8750:2015 Ed.2] and certified to CSA C22.2 No. 250.13:2014 Ed.2.
18. The device shall be CE certified.
19. The device shall be RoHS compliant.
20. The device shall be rated IP20 for Indoor use.

Specification Ordering Example for RoscoLED Control Box

Product ordering information can be found at this URL: <http://www.rosco.com>

The product numbers for ordering RoscoLED Control boxes are listed below.

293 22250 0000	RoscoLED StaticWhite Control Box – 300W, Standard Series Connectors
293 22250 0001	RoscoLED StaticWhite Control Box – 300W, Middle Series Connectors
293 22260 0000	RoscoLED VariWhite Control Box – 400W, Standard Series Connectors
293 22260 0001	RoscoLED VariWhite Control Box – 400W, Middle Series Connectors
293 22270 0000	RoscoLED VariColor Control Box – 400W, Standard Series Connectors
293 22270 0001	RoscoLED VariColor Control Box – 400W, Middle Series Connectors

If there are questions, contact Rosco Customer Service: CTOrders@rosco.com

Table Specification for RoscoLED® Control Box

Type ID	Qty	Description	Manufacturer	Alternate Manufacturer	Capacity	Control
		Interior rated control device containing 100-240 VAC power supply and DMX decoder in 300W or 400W capacity with 2-pin, 3-pin or 5-pin multi-pin female chassis connectors	Rosco Labs		300W or 400W	DMX512A via 4 x 75W (2-pin) or 4 x 100W (3-pin) or 3 x 125W (5-pin) outputs
Comments						