

Datasheet

This datasheet contains limited information on the Lighting Controller System hardware. For complete information on programming, performance, troubleshooting, dimensions, and accessories, go to www.bannerengineering.com or contact Banner Engineering. Use of this document assumes familiarity with pertinent industry standards and practices.

Model

Model	Description
LCS10	Lighting Controller System with HMI Screen Interface, 4 Zones

Wiring

Power Connection – 3-pin 7/8 in-16UNF Pinout

Diagram (Female)	Pin	Description
	1	Ground
	2	Neutral
	3	Line/Hot

Dimming Connection – 4-pin M12 Pinout

Diagram (Female)	Pin	Description
	1	Not Connected
	2	Not Connected
	3	Dim (-)
	4	Dim (+)

Specifications

Supply Voltage

120 V AC to 277 V AC

Supply Current

HMI/Controller: 375 mA typical

Lighting zone: 15 A maximum per zone

HMI Screen

10.2 inch (259 mm) diagonal

1024 × 768 resolution

Color LED backlight

Dimming and Control

Each dimming zone provides 0 V to 10 V of analog LED dimming, dimmable to 5% intensity

50 mA sink capacity per zone

Construction

Housing: Polycarbonate

Mounting

(4) M8 × 1.37 threaded mounting holes

Connections

(4) Integral 3-pin 7/8 in-16UNF female quick-disconnect connectors

(4) Integral 4-pin M12 female quick-disconnect connectors

Input power provided by installer

Environmental Rating

IP20

Operating Temperature

0 °C to +50 °C (+32 °F to +122 °F)

Storage Temperature

–40 °C to +70 °C (–40 °F to +158 °F)

Required Overcurrent Protection



WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.

Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.

Supply wiring leads < 24 AWG shall not be spliced.

For additional product support, go to www.bannerengineering.com.

Supply Wiring (AWG)	Required Overcurrent Protection (A)	Supply Wiring (AWG)	Required Overcurrent Protection (A)
20	5.0	26	1.0
22	3.0	28	0.8
24	1.0	30	0.5

Certifications



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Original Instructions

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