RC4-RX4 TYPICAL APPLICATION

In this configuration each dimmer drives one lamp. A typical lamp is a 50W MR16, which draws 4.2A at 12V.

To operate all 4 lamps at full power for 30 minutes, current draw is 16.8A. A 20A internal fuse is appropriate for this load. External fusing is typically not required for this kind of application.

Lead-acid battery ratings are misleading at high discharge rates. A 16 A/h battery will only provide 8 A/h of power under these conditions. In other words, a 16 A/h battery will power these 4 lamps for approximately 30 minutes.

12V lead-acid batteries should not be discharged below 10V under load. Discharging them below 10V will chemically damage the battery, resulting in lower A/h capacity when recharged.