



## LED Circuit & Power Supply Guidelines

### “HOW TO SELECT YOUR LED CIRCUIT & POWER SUPPLY”

Use 'Table 1' to determine the maximum allowable number of LED's in any one Power Supply.

| Table 1 -<br>Number of LED's per Power Supply (Maximum) |       |         |
|---|-------|---------|
| LED Type  | 5 amp | 2.5 amp |
| Twister   | 100   | 50      |
| Twister Nano  | 130   | 65      |
| PZ  | 40    | 20      |
| Nitro   | 40    | 20      |
| EI Plato  | 16    | 8       |
| Twister Star  | 120   | 60      |
| SIGN-LED  | 150   | 75      |

| Table 2 -<br>Cable Sizing for LED 'Circuits' (Minimum) |                                |
|--|--------------------------------|
| Cable length from Power Supply to Sign Terminals       | Recommended minimum cable size |
| Up to 2m   | 1.0 mm <sup>2</sup>            |
| 2m to 4m   | 1.5 mm <sup>2</sup>            |
| 4m to 6m   | 2.5 mm <sup>2</sup>            |
| 6m to 10m  | 4.0 mm <sup>2</sup>            |

FOR FLEXIBILITY AND EASE WE RECOMMEND 'TRI' RATED CABLE OR FLEX \*

| Table 3 -<br>Max number of modules before wire back is required (in any one circuit) |        |
|--|--------|
| Twisters   | 30 off |
| Nano   | 70 off |
| PZ   | 20 off |
| EI Plato   | 8 off  |
| Stars  | 60 off |
| SIGN LED's   | 70 off |