

GM Lighting

GM Lighting Linear LED Quick Reference Guide

The power supply is equal to or greater than the total wattage of your run(s).

Flexible LED Linear Ribbon

High Output Flexible LED Linear Ribbon

(48-watts per 16.4' reel)

| <u>Catalog Number</u> | <u>Watts per Foot</u> | <u>Maximum Single Run</u> |
|------------------------------|------------------------------|----------------------------------|
| LTR300-WW | 3.04 | 16.4' (1-reel) |
| LTR300-27 | 3.04 | 16.4' (1-reel) |

Standard Output Flexible LED Linear Ribbon

(24-watts per 16.4' reel)

| <u>Catalog Number</u> | <u>Watts per Foot</u> | <u>Maximum Single Run</u> |
|------------------------------|------------------------------|----------------------------------|
| LTR300-SO-PW | 1.52 | 32.8' (2-reels) |
| LTR300-SO-WW | 1.52 | 32.8' (2-reels) |
| LTR300-SO-27 | 1.52 | 32.8' (2-reels) |
| LTR300-RD | 1.52 | 32.8' (2-reels) |
| LTR300-BL | 1.52 | 32.8' (2-reels) |
| LTR300-GR | 1.52 | 32.8' (2-reels) |
| LTR300-AM | 1.52 | 32.8' (2-reels) |
| LTR300-PR | 1.52 | 32.8' (2-reels) |

Standard Output Flexible Wet Location LED Linear Ribbon

(4.8-watts per 39.4" reel)

| <u>Catalog Number</u> | <u>Watts per Foot</u> | <u>Maximum Single Run</u> |
|------------------------------|------------------------------|----------------------------------|
| LTR60WP-SO-PW | 1.52 | 32.8' (10-reels) |
| LTR60WP-SO-WW | 1.52 | 32.8' (10-reels) |

Standard Output Flexible Wet Location LED Linear Ribbon

(24-watts per 16.4' reel)

| <u>Catalog Number</u> | <u>Watts per Foot</u> | <u>Maximum Single Run</u> |
|------------------------------|------------------------------|----------------------------------|
| LTR300WP-SO-PW | 1.52 | 32.8' (2-reels) |
| LTR300WP-SO-WW | 1.52 | 32.8' (2-reels) |
| LTR300WP-RD | 1.52 | 32.8' (2-reels) |
| LTR300WP-BL | 1.52 | 32.8' (2-reels) |
| LTR300WP-GR | 1.52 | 32.8' (2-reels) |
| LTR300WP-AM | 1.52 | 32.8' (2-reels) |

Flexible RGB LED Linear Ribbon

(36-watts per 16.4' reel)

| <u>Catalog Number</u> | <u>Watts per Foot</u> | <u>Maximum Single Run</u> |
|------------------------------|------------------------------|----------------------------------|
| LTR150-RGB | 2.20 | 16.4' (1-reel) |

Please refer to GM Lighting's Full Line Catalog for ordering information or visit us on the web at www.gmlighting.net

The power supply is equal to or greater than the total wattage of your run(s).

Flexible LED Linear Ribbon

Wet Location Flexible RGB LED Linear Ribbon

(36-watts per 16.4' reel)

| <u>Catalog Number</u> | <u>Watts per Foot</u> | <u>Maximum Single Run</u> |
|-----------------------|-----------------------|---------------------------|
| LTR150WP-RGB | 2.20 | 16.4' (1-reel) |

LED Linear LightBars

Aluminum Wet Location Rigid High Output LED Linear LightBars

| <u>Catalog Number / Length</u> | <u>Watts per Foot</u> | <u>Maximum Single Run</u> |
|--------------------------------|-----------------------|---------------------------|
| LTAB-N-8 (8") | 3.04 | 16.4' |
| LTAB-N-8-PW (8") | 3.04 | 16.4' |
| LTAB-N-16 (16") | 3.04 | 16.4' |
| LTAB-N-16-PW (16") | 3.04 | 16.4' |
| LTAB-N-24 (24") | 3.04 | 16.4' |
| LTAB-N-24-PW (24") | 3.04 | 16.4' |

Rigid High Output LED Linear LightBars

| <u>Catalog Number / Length</u> | <u>Watts per Foot</u> | <u>Maximum Single Run</u> |
|--------------------------------|-----------------------|---------------------------|
| LTB-8 (8") | 3.04 | 16.4' |
| LTB-16 (16") | 3.04 | 16.4' |

Architectural Low Profile LED Linear LightBar

| <u>Catalog Number / Length</u> | <u>Watts per Foot</u> | <u>Maximum Single Run</u> |
|--------------------------------|-----------------------|---------------------------|
| LARC3-13-WW-B (13.5") | 5.50 | 10' |
| LARC3-13-WW-BA (13.5") | 5.50 | 10' |
| LARC3-19-WW-B (19.5") | 5.50 | 10' |
| LARC3-19-WW-BA (19.5") | 5.50 | 10' |

24VDC Architectural LED Linear LightBar

| <u>Catalog Number / Length</u> | <u>Watts per Foot</u> | <u>Maximum Single Run</u> |
|--------------------------------|-----------------------|---------------------------|
| LARC4-9-WW-BA (9.25") | 6.00 | 20' |
| LARC4-9-PW-BA (9.25") | 6.00 | 20' |
| LARC4-19-WW-BA (19.25") | 6.00 | 20' |
| LARC4-19-PW-BA (19.25") | 6.00 | 20' |
| LARC4-39-WW-BA (39.25") | 6.00 | 20' |
| LARC4-39-PW-BA (39.25") | 6.00 | 20' |

12VDC and 24VDC Power Supplies

12VDC Electronic Power Supplies

| <u>Catalog Number</u> | <u>Volts</u> | <u>Watts / Amps</u> |
|-----------------------|--------------|---------------------|
| LTP-2* | 120V/12VDC | 25w / 2amps |
| LTP-6* | 120V/12VDC | 60w / 5amps |
| LTH-2** | 120V/12VDC | 25w / 2.1amps |
| LTH-4** | 120V/12VDC | 50w / 4.2amps |
| LTH-8** | 120V/12VDC | 100w / 8.5amps |
| LTH-16** | 120V/12VDC | 200w / 16.7amps |
| LTH-25** | 120V/12VDC | 320w / 25amps |

12VDC Magnetic Dimmable Power Supplies

| <u>Catalog Number</u> | <u>Volts</u> | <u>Watts / Amps</u> |
|-----------------------|----------------------|---------------------|
| LTHM50-DIM** | 120V/12VDC | 50w / 4amps |
| LTH-60-DIM** | 120V/240V/277V/12VDC | 60w / 5amps |
| LTHM100-DIM** | 120V/12VDC | 100w / 8amps |

24VDC Electronic Power Supplies

| <u>Catalog Number</u> | <u>Volts</u> | <u>Watts / Amps</u> |
|-----------------------|--------------|---------------------|
| LTP24-90* | 120V/24VDC | 90w / 3.75amps |
| LTH24-4** | 120V/24VDC | 100w / 4amps |
| LTH24-8** | 120V/24VDC | 200w / 8amps |

24VDC Magnetic Dimmable Power Supplies

| <u>Catalog Number</u> | <u>Volts</u> | <u>Watts / Amps</u> |
|-----------------------|----------------------|---------------------|
| LTH-60-DIM** | 120V/240V/277V/24VDC | 60w / 2.5amps |
| LTHM100-DIM-24** | 120V/24VDC | 100w / 4amps |

* = Switchable, 120V Cord and Plug

** = Metal Chassis Hardwire

12VDC and 24VDC Voltage Charts

Voltage Loss in 12VDC LED Assemblies for commonly used wire sizes

If your LED load is 12VDC @

4.0 amps

| <u>Wire Gauge</u> | <u>Lead Wire Length</u> | <u>DC Voltage at the LED Linear Product</u> |
|-------------------|-------------------------|---|
| 18AWG | 10ft | 11.4v |
| | 25ft | 10.5v |
| | 50ft | 9.0v |
| 14AWG | 10ft | 11.8v |
| | 25ft | 11.4v |
| | 50ft | 10.8v |
| 12AWG | 10ft | 11.9v |
| | 25ft | 11.6v |
| | 50ft | 11.3v |
| 10AWG | 10ft | 11.9v |
| | 25ft | 11.8v |
| | 50ft | 11.5v |

Voltage Loss in 24VDC LED Assemblies for commonly used wire sizes

If your LED load is 24VDC @

4.0 amps

| <u>Wire Gauge</u> | <u>Lead Wire Length</u> | <u>DC Voltage at the LED Linear Product</u> |
|-------------------|-------------------------|---|
| 18AWG | 10ft | 22.8v |
| | 25ft | 21.0v |
| | 50ft | 18.0v |
| 14AWG | 10ft | 23.6v |
| | 25ft | 22.8v |
| | 50ft | 21.6v |
| 12AWG | 10ft | 23.8v |
| | 25ft | 23.2v |
| | 50ft | 22.6v |
| 10AWG | 10ft | 23.8v |
| | 25ft | 23.6v |
| | 50ft | 23.0v |