



**LumiLED**  
Illumination for Signage & Display

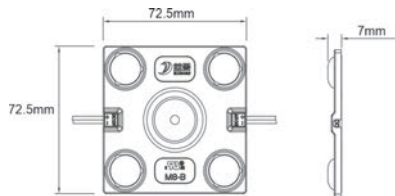
LED ILLUMINATION FOR  
SIGNAGE AND DISPLAY



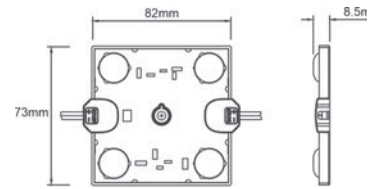
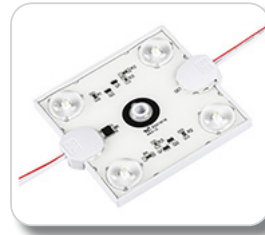
## LUMILED M8 SERIES - SQUARE BACKLIT LED

| SPECIFICATIONS   | M8-B (Dustproof)              | M8-C (Outdoor/Waterproof)   |
|------------------|-------------------------------|-----------------------------|
| COLOUR LED LIGHT | White                         | White                       |
| INPUT VOLTAGE    | DC 12V                        | DC 12V                      |
| POWER / PC       | 4 w/pcs                       | 4 w/pcs                     |
| LUMENS / PC      | 97 lm/W                       | 79 lm/W                     |
| COLOUR AVAILABLE | 8000 - 9000k                  | 8000 - 9000k                |
| VIEW ANGLE       | 170°                          | 170°                        |
| PROTECTION CLASS | IP 60                         | IP66                        |
| MODULE SIZE      | 72.5 x 72.5 x 7mm (L x W x D) | 82 x 73 x 8.5mm (L x W x D) |
| WARRANTY         | 3 Years                       | 3 Years                     |

**M8-B**



**M8-C**



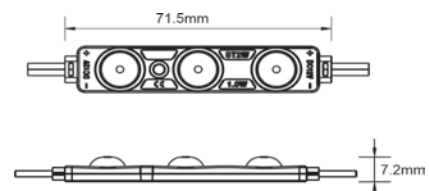
The M8 Series Square LED module is the most cost effective, ultra bright LED option in our range.

- M8-B is fitted with a dust cover over the diode and has a 170° view angle. Use for 35 - 150mm depth lightboxes, ceiling panels or wall backgrounds. IP60 rating. Pack of 12 modules. Max run 12 modules single feed per parallel connection.
- M8-C has a 170° view angle, is waterproof with a IP66 rating and suitable for 100 - 180mm lightboxes, ceiling panels, back illuminated wall etc.
- 3 modules per meter
- Max run - single feed 12 modules

## LUMILED ECO - ST2W

| SPECIFICATIONS   |                               |
|------------------|-------------------------------|
| COLOUR LED LIGHT | Cool White                    |
| INPUT VOLTAGE    | DC 12V                        |
| POWER / PC       | 1W                            |
| LUMENS / PC      | 90 lm/module                  |
| COLOUR AVAILABLE | 10 000k                       |
| VIEW ANGLE       | 160° lens                     |
| PROTECTION CLASS | IP 65                         |
| MODULE SIZE      | 71.5 x 14 x 7.2mm (L x W x D) |
| WARRANTY         | 3 Years                       |

- Aluminum PCB injection for better outline.
- IP65 perfect for indoor and outdoor applications.
- Can be cut at single module intervals.
- 160° wide beam angle for uniform lighting.
- Ideal for backlit lightboxes, letters or logo designs between 60 - 180mm in depth.
- 6 modules per meter.
- Max run 20 modules single feed per parallel connection.
- Available in packs sizes of 100 modules per pack.

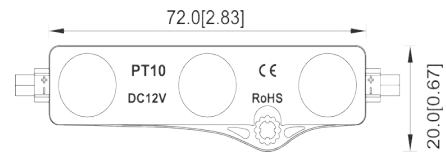


## LUMILED PT10

### SPECIFICATIONS

|                  |                              |
|------------------|------------------------------|
| COLOUR LED LIGHT | Cool White                   |
| INPUT VOLTAGE    | DC 12V                       |
| POWER / PC       | 1W                           |
| LUMENS / PC      | 145 lm/module                |
| COLOUR AVAILABLE | 10 000k                      |
| VIEW ANGLE       | 175° lens                    |
| PROTECTION CLASS | IP 66                        |
| MODULE SIZE      | 72 x 20 x 10.2mm (L x W x D) |
| WARRANTY         | 5 Years                      |

- Cost effective module with aesthetic appearance.
- IP66 special ultrasonic technology
- Can be cut at single module intervals.
- 175° wide beam angle for uniform lighting.
- Ideal for backlit lightboxes, letters or logo designs with a depth of more than 60 - 180mm.
- 7 modules per meter
- Available in packs sizes of 80 modules per pack.
- Max run 40 modules single feed per parallel connection

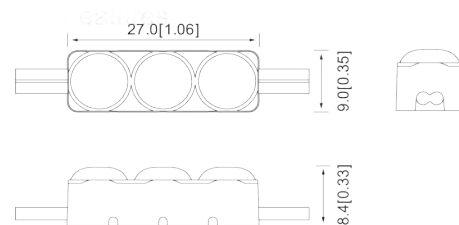
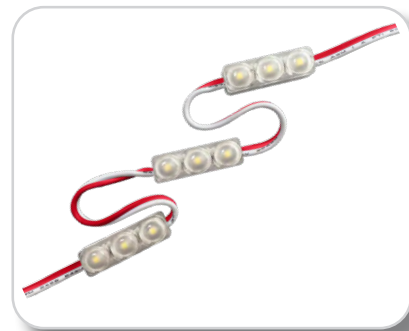


## LUMILED SS308 (Mini)

### SPECIFICATIONS

|                  |                            |
|------------------|----------------------------|
| COLOUR LED LIGHT | Cool White                 |
| INPUT VOLTAGE    | DC 12V                     |
| POWER / PC       | 0.48W                      |
| LUMENS / PC      | 105 lm/module              |
| COLOUR AVAILABLE | 8000 - 10000k              |
| VIEW ANGLE       | 145° lens                  |
| PROTECTION CLASS | IP 66                      |
| MODULE SIZE      | 27 x 9 x 8.4mm (L x W x H) |
| WARRANTY         | 3 year                     |

- Optical grade transparent PC material.
- Fully integrated glue filling process.
- IP66, special ultrasonic technology.
- Can be cut at single module intervals.
- Suitable for backlit lightboxes, mini letters, outdoor lighting etc with depths above 45 - 100mm.
- 13 modules per meter.
- Available in packs sizes of 50 modules per pack.
- Max run 50 modules single feed per parallel connection.



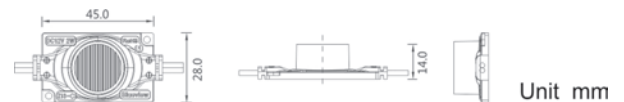
## LUMILED HIGH POWER (Z18)

### SPECIFICATIONS

|                  |                            |
|------------------|----------------------------|
| COLOUR LED LIGHT | White                      |
| INPUT VOLTAGE    | DC 12V                     |
| POWER / PC       | 2w                         |
| LUMENS / PC      | 184 lm/module              |
| COLOUR AVAILABLE | 9000k                      |
| VIEW ANGLE       | 10 x 28°                   |
| PROTECTION CLASS | IP 65                      |
| MODULE SIZE      | 45 x 28 x 14mm (L x W x D) |
| WARRANTY         | 3 Years                    |



- Edgelit depth 80 - 100mm, width 1200 - 1500mm.
- Developed for edge illumination of single & double sided light boxes. The design of the lens with a 10 x 28° focus ensures the correct light output in the right directions for flawless illumination in confined spaces.
- Aluminium printed circuit board (PCB) with improved heat dissipation and stability.
- 6 modules per meter.
- Available in packs sizes of 20 modules per pack.
- Max run 20 modules single feed per parallel connection.



Unit mm

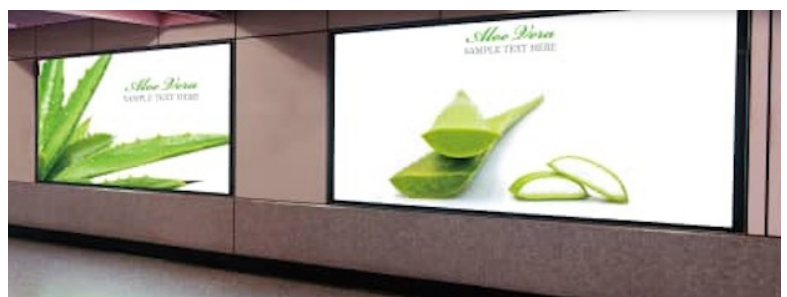
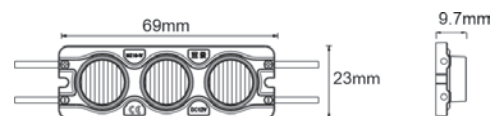
## LUMILED HIGH POWER (Z18-W)

### SPECIFICATIONS

|                  |                             |
|------------------|-----------------------------|
| COLOUR LED LIGHT | White                       |
| INPUT VOLTAGE    | DC 12V                      |
| POWER / PC       | 1.5w                        |
| LUMENS / PC      | 135 lm/module               |
| COLOUR AVAILABLE | 7800 - 9000k                |
| VIEW ANGLE       | 20 x 30°                    |
| PROTECTION CLASS | IP 65                       |
| MODULE SIZE      | 69 x 23 x 9.7mm (L x W x D) |
| WARRANTY         | 3 Years                     |



- Edgelit widths of 200 - 1200mm, depth 80 - 100mm.
- Developed for edge illumination of light boxes.
- Elegant appearance with aluminium base board injection.
- 7 modules per meter.
- Available in packs sizes of 20 modules per pack.
- Max run 20 modules single feed per parallel connection.



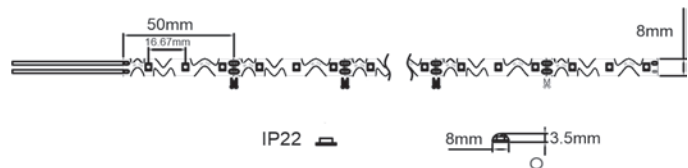
## LUMILED ZIG ZAG TAPE

### SPECIFICATIONS

|                    |                         |
|--------------------|-------------------------|
| COLOUR LED LIGHT   | Cool White / Warm White |
| INPUT VOLTAGE      | 12V                     |
| POWER / PC         | 6w/m                    |
| COLOUR: Cool White | 9000 - 11000k           |
| Warm White         | 3000k                   |
| VIEW ANGLE         | 120°                    |
| PROTECTION CLASS   | IP 64                   |
| STRIP WIDTH        | 8mm                     |
| WARRANTY           | 2 Years                 |



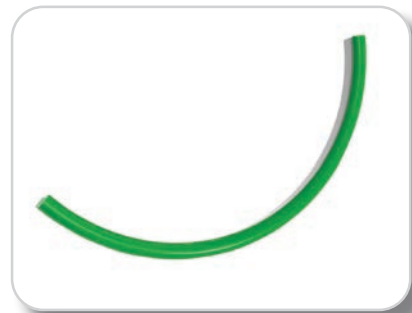
- 360° bendable. both vertically and horizontally.
- Excellent for low profile channel letters as small as 25,4mm deep.
- Silicone coated (IP64)
- Epistar chips, LM-80.
- Can be cut every 3 LEDs for 12V.
- Double sided tape for easy installation.
- Dimmable.
- 60 LED's per meter.
- Sold in rolls of 10m.
- Max run 3 meters (two feeds) per parallel connection.



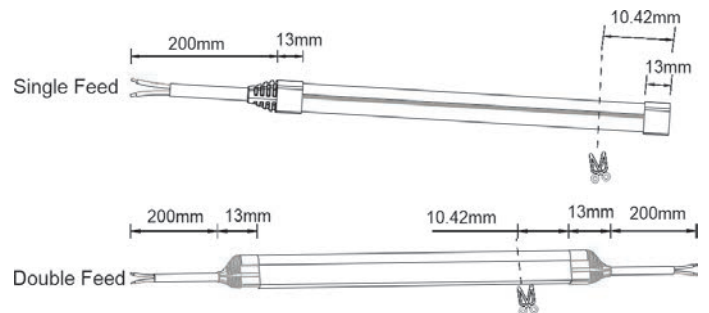
## LUMILED NEON FLEX

### SPECIFICATIONS

|                  |   |
|------------------|---|
| COLOUR LED LIGHT | Green   Red   White   Blue  |
| COLOUR AVAILABLE | Green: 520-525<br>Red: 620-625<br>White: 8000-9000<br>Blue: 465-480 |
| INPUT VOLTAGE    | DC 12V  |
| POWER / M        | 11.52   |
| LUMENS / PC      | 120 lm/module   |
| VIEW ANGLE       | 139° lens   |
| PROTECTION CLASS | IP 67   |
| MODULE SIZE      | 5000 x 8 x 15mm   |
| WARRANTY         | 5 year - Indoor<br>3 year - Outdoor                                 |



- Can be cut at single module intervals, 96 LED's per meter.
- High quality circuit for stable and reliable performance. Small size and side bending for easy modelling.
- IP67 protection with high performance silicone.
- Suitable for landscape lighting, building outline, steps, bridges, curtyards roads, signs etc.
- Dimmable.
- Available in 5m rolls. Silicone endcaps and mounting clips for installation sold separately.
- Max run 5m single feed per double feed 10m.



## POWER SUPPLIES & ACCESSORIES

### Indoor

- 35 watt
- 50 watt
- 100 watt
- 150 watt
- 200 watt
- 350 watt

### Outdoor

- 35 watt
- 50 watt
- 100 watt
- 150 watt
- 200 watt
- 300 watt



### PLEASE NOTE:

ACN (Blue) and ACL (Brown) = AC in (input) plug  
V+ (Red) V- (Black) = DC out (output) LED

### SPECIAL PRECAUTIONS:

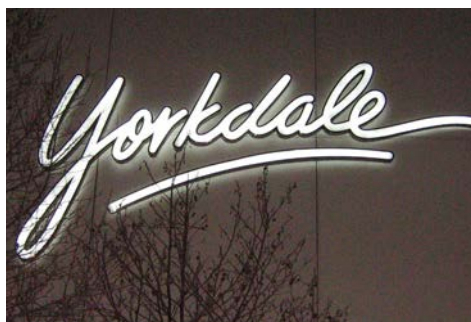
- The products in this catalog is recommended for signage and display purposes, not general use.
- Do not disassemble, retrofit or touch the surface of the LED's with a sharp object.
- Do not do live-line working during installation.
- Do not use any organic chemical solvents.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation to ensure its waterproof and eliminate corrosion.
- If lengthening the power cable use a 18AWG (0.75mm<sup>2</sup> cross-sectional area) or thicker core wire to avoid problems with overheating.
- Make sure the input voltage meets the requirements and lines are connected correctly before powering up the units.
- The length of the power cable between the power supply and the LED strip should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.

## TROUBLE SHOOTING GUIDE

| PROBLEM   | POSSIBLE CAUSE   | SOLUTION   |
|---|--|--|
| All the LED's not working.                      | No electrical supply.  | Power on.  |
|   | Incorrect connection of the power supply unit.   | Check connection and correct.  |
|   | Automatic power protection from the open or short circuit in output of the power supply. |  |
| Only some of the LED's working.                 | Some switching mode power supplies not powered.  | Check the power supply system and fix any issues.  |
|   | Power supply line error.   |  |
|   | Incorrect wire connections of some of the modules.                                       | Check all wire connections.  |
| LED brightness is inconsistent or insufficient. | Power is overloaded.   | Replace with more power.   |
|   | Power supply circuit - excessive consumption   | Make sure the working voltage of the product is within +/- 5% of standard voltage, or keep the balance by circuit power consumption. |
|   | Excessive quantities of LED modules connected in series.                                 | Reduce the number of LED's connected and meet series connection criteria.  |
| LED's are flickering.                           | Connection point fault.  | Remove bad connection points.  |
|   | Switching power supply failure.  | Replace with a new power supply.   |
|   | Incorrect installation or use of the products.   | Follow instructions as on datasheets.  |

PLEASE NOTE: Installation, maintenance and repair work on lightboxes should be performed by a qualified technician.

Refer to the MAIZEY website for detailed product specifications. We also offer a range of aluminium profiles for the construction of rigid or textile lightboxes as well as premium grade PLEXIGLAS®, backlit textile or PVC banner for faces.





## LED ILLUMINATION FOR SIGNAGE AND DISPLAY



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