

Product Description

All the same characteristics as 230V LED Mini Light sets but with the added benefits of being Low Voltage.

Colours available are; White, Red, Green, Blue, Warm White, Yellow, Pink, and also an RGB colour changing version.

Each LED lamp is encased in a silicon gel with a PVC membrane making them weather and damage resistant, the cable is dark green rubber sheathed and the product conforms to the latest EN standards.

Each string has 100 LED Mini Lights (if one lamp fails the others remain lit) at 10cm spacing and are interconnectable so strings can be extended. The 24V is 7.8W per set and can be extended up to 6 sets, the colour change is 15W per set and can be extended up to three sets.



How many Mini LED Lights will I need?

Minimum amount of 24V Mini LED lights required per tree (not including trunk, not colour change)

Tree Height (ft)	Number Of Mini LED Lights	Transformer Required Model Number
10	1000 (10 x 100 String)	1 x RTR.LED.100
15	1500 (15 x 100 String)	1 x RTR.LED.240
20	2000 (20 x 100 String)	1 x RTR.LED.240
25	3000 (30 x 100 String)	2 x RTR.LED.240
30	4000 (40 x 100 String)	2 x RTR.LED.240
40	5000 (50 x 100 String)	2 x RTR.LED.240

For maximum effect then increase above quantities by at least 50%

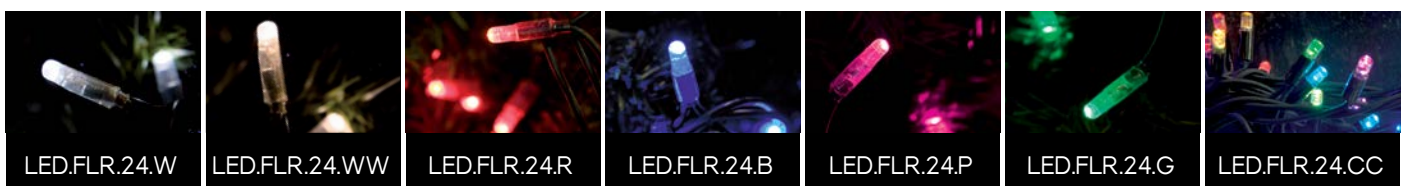
As an example a 30ft tree with 4000 24V Mini LED Lights consumes just 312W of power in comparison to a conventional tungsten filament mini lamp system consuming 2.2Kw (40 x 57W per set) of power.

Running costs per hour for the Mini LED lights at £0.07 per Kw Hr would be £0.021 per hour in comparison to £0.15.5 per hour!

Over a 500 hour illumination period the Mini LED running costs would be £10.05 against the conventional system of £77.50 thus gaining fantastic savings.

Add in life expectancy comparisons, lamp replacement costs and maintenance issues the cost benefits for Mini LED lights are amazing.

Colours Available



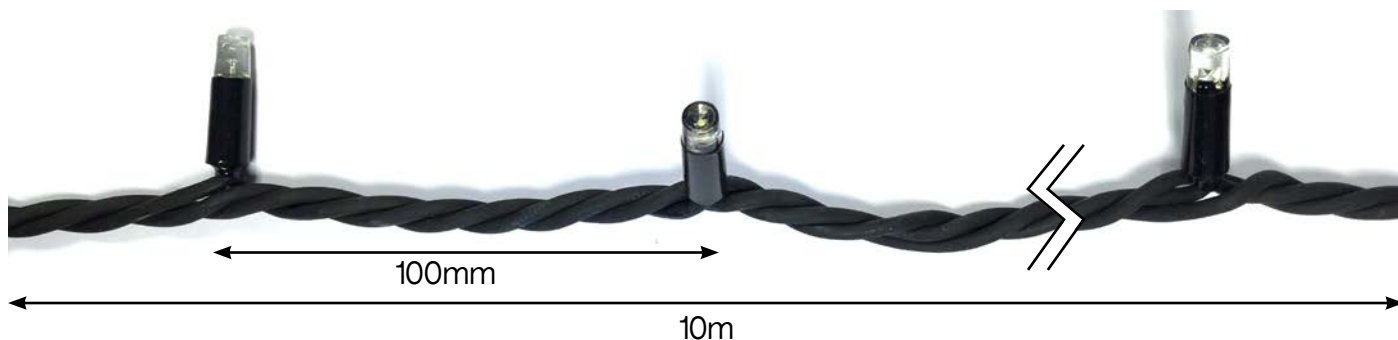
Product Specifications



4 core 0.5mm rubber cable

- **Power Input:** 24v
- **Watts:** 7.8W per set.
- **Run Length:** 10m length cable. Can be extended up to 10 sets.
- **Environment:** Weatherproof - IP44
- **LED Colours:** Cool white, Warm white, Red, Green, Blue, Pink, Colour Change
- **Guarantee:** 1 year guarantee.
- **LED Lamp:** Encased in a silicon gel with a PVC membrane for weather resistance.
- **Lamp Amount:** 100 per set.
- **Cable Colour:** Rubber cable colours available in black, white, green, red, blue and transparent.
- **Maintenance:** Minimal.
- **Power Leads:** Sold Seperate.
- **Connectors:** Male & Female. Push in and screw closed.
- **Mounting:** Cable ties.
- **Weight:** 1Kg per set.
- **Power Output:** 24v DC
- **Standards:** EN Standards.
- **Light Output:** Contact factory or see lite-ltd.co.uk

Dimensions



Connectors



Electronic Drivers

Power Supply Quick Reference data

Low Voltage Electronic Drivers

A range of IP rated low voltage electronic drivers which have been specifically designed for use with these LED Lighting Systems. These small and lightweight low voltage drivers suit both small and large scale applications.

	12VDC 100W	12VDC 120W	24VDC 35W	24VDC 100W	24VDC 150W	24VDC 240W
110 - 277VAC input	●			●		
90 - 305VAC input		●	●		●	●
Power factor corrected for high efficiency	●	●		●	●	●
Working Temperature -40°c to 80°c	●	●				
Working Temperature -40°c to 70°c						
Working Temperature -40°c to 50°c			●	●	●	●
Short circuit, over load, over voltage & over temperature protections	●	●	●	●	●	●
IP65 Designed for indoor or outdoor installation	●	●	●	●	●	●
World Wide Availability		●	●		●	●
USA and Canada Availability	●			●		
UL / cUL / CE	●	●	●	●	●	●

Product Power Supply Selector

	12VDC 100W	12VDC 120W	24VDC 35W	24VDC 100W	24VDC 150W	24VDC 240W
Large / Small Globe Series RGB Random	●	●				
Large Globe Series High Output				●	●	●
Large Globe Series Single Colour				●	●	●
Low Voltage MiniLEDS			●	●	●	●