

Thursday 27th August 2020



Link N Light Tube Lighting System using Backbone Cable

The Link N Light Tube Lighting System is a simple to install, plug and play, 48v DC, IP66 LED Lighting System.

The LED Tube Lighting System can be installed 250mtr to run in either direction from a 2 Outlet Power Supply Enclosure, the Lighting System can have as many or as few lights as you require. The plugs on the end on the power cable are identical to the Link N Light System, the same Power Supply Enclosures are used, but it has a different connector for the lights.

The Backbone Cable is a rubber 2 core 4mm Cable that comes on a 50mtr roll. At each 5mtr mark there is a T-Joint where a light can be installed. The plugs are IP66 and have O- Rings to seal the join.

The Light Output is 125lm/w. For the 500mm fitting it puts out 750lm. Minimum lux on the install shown above is above 20 lux. This is above the lighting levels for emergency lighting in a workplace.



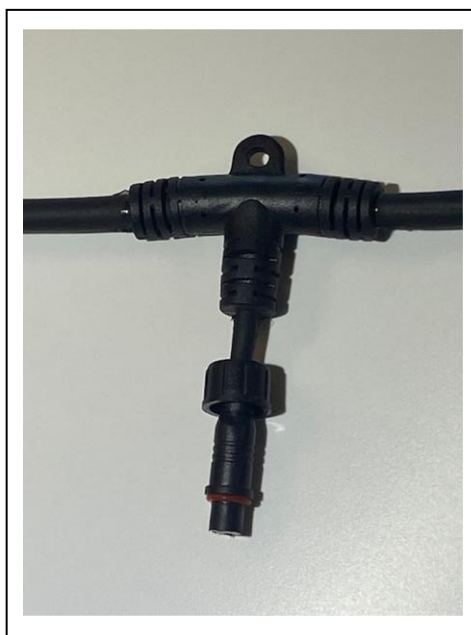
**SPECIALISING IN
INDUSTRIAL LED LIGHTING**

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This cable comes as a roll of 50mtr and can be custom made to length and spacings as required.

Backbone Cable has a breaking strain of 20kg. It can be installed by cable ties or clamping at 10m intervals. It can be used to mount the light on if needed as shown below.



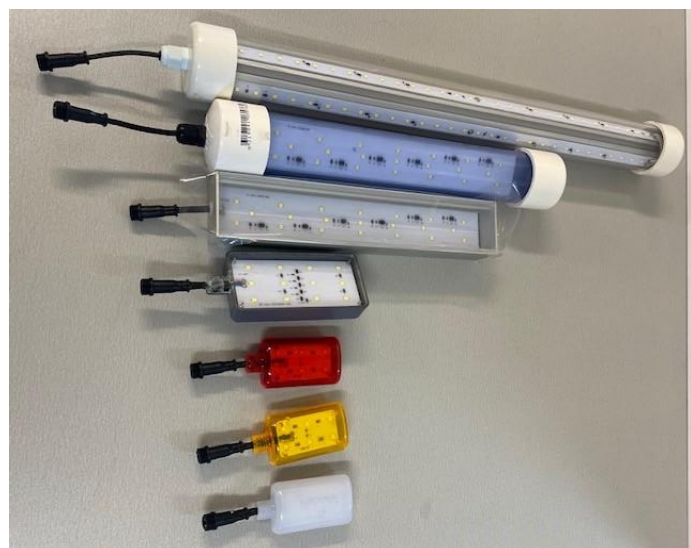
Tube Lights

The lights are made from high impact polycarbonate and are made as standard 250mm 15w and 500mm 9w. These can be custom made to length if needed. The LEDs used inside are the same great LEDs used in Link and Light. These lights are rated to IP66 due to the plugs.

The light inside the pipe are angled to give a 120-degree output. If installed length wise in the drive it will light up the side walls, if installed across it will light up the heading.

Mounting of Tube Lights

The lights can be installed by cable, tied to the mesh, magnets or by mounts if needed.





Light	Wattage per light	5 Mtr spacing per 100m # Lights	2.5 Mtr spacing per 100m # Lights	Distance 600w Driver will run in meters		Distance 2 x 600w Drivers will run in meters	
		20	40	5Mtr spacing	2.5Mtr spacing	5Mtr spacing	2.5Mtr spacing
		Wattage for 100Mtr					
250mm 4.5W 25mm	4.5	90	180	540	300	600	600
250mm 9W 50mm	9	180	360	300	150	600	300
500mm 9W 25mm	9	180	360	300	150	600	300
250mm 15W Flood	15	300	600	200	100	380	190
500mm 18W 50mm	18	360	720	160	80	320	160
Conveyor	1.3	26	52	600	600	600	600

Information on Lights per Meterage
Versus Wattage, Length and Weight

4.5W	250mm long x 25mm Diameter	330 grams
9W	250mm long x 50mm Diameter	500 grams
9W	500mm long x 25mm Diameter	520 grams
15W	250mm long x 50mm Diameter	350 grams
18W	500mm long x 50mm Diameter	860 grams
18W	1000mm long x 25mm Diameter	880 Grams
Conveyor Light	110mm(L) x 55mm (W) x 30mm (H)	70 Grams