

# Lighting





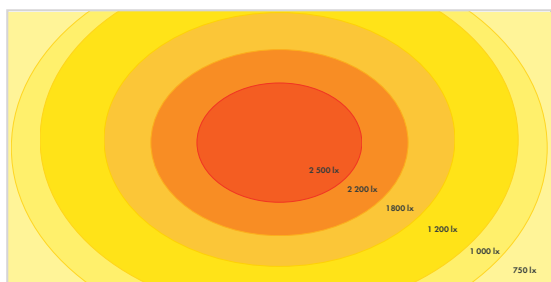
# Lighting ergonomics



Lighting is a vital part of ergonomic workspaces in industrial environments. Light allows people to see and perform tasks better as well as affecting their personal wellbeing and health.

## Individually adjustable, natural workstation lighting means more productivity

Investing in individually controllable task lighting on workstations benefits both the employees and the employer. Employees feel more motivated as they can adjust brightness and preferably also colour tone to best suit themselves and the task at hand. This can lead to increased productivity, reduced errors and less absence, which normally affect the company's profitability.



**Graph of light Illuminance**

Treston NaturLite LED 1200 Illuminance  $\pm 10\%$  (@1 metre)

## Lighting standard sets the expectations

When designing workstations and their lighting, we observe the recommendations of the EN 124641 standard on indoor workplace lighting. The illuminance levels set by standards are average values, but going beyond those is often reasonable. It is especially beneficial to increase the high-quality lighting for employees over 45 years old.

## Optical ergonomics need attention

Optical ergonomics require the viewed object to be at a suitable distance and location, in order to maintain an acceptable amount of eye movement, ensuring that the details can be seen without problems. Also, adequate and glare-free lighting is important. When these conditions apply and the working position is well adjusted, saving time and money due to fewer absences and decreased stress can be expected.

## Benefits of proper adjustable lighting in industrial environments include

- Increased productivity
- Reduced number of errors
- Decreased absenteeism
- Increased well-being of the employees



# Treston NaturLite LED

Natural workstation lighting for industrial environments



Good, adjustable workstation lighting is essential for work quality and the well-being of employees. The right amount of light at the right time also enhances productivity and reduces errors in industrial environments.

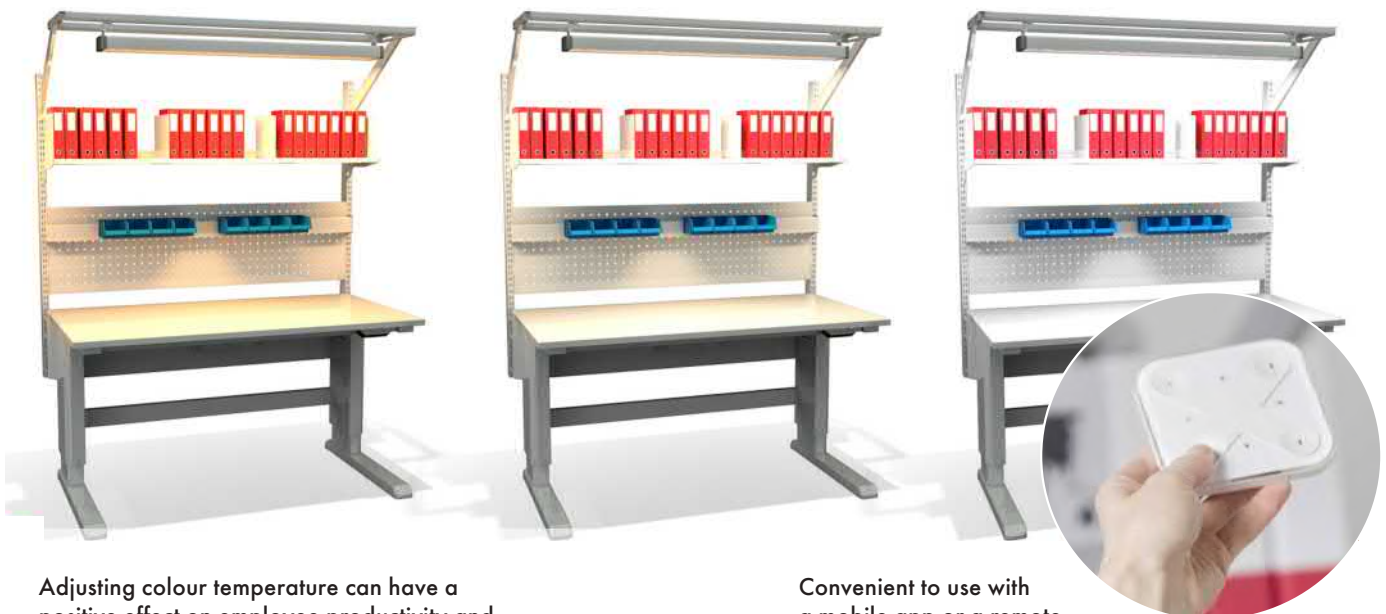
Achieve your full potential with:

- Tunable colour tone
- Dimmable brightness
- Effective performance



Get all the specifications and download the brochure:  
<http://www.treston.com/catalogues/naturlite-led.pdf>

## Treston NaturLite LED Plus 1200



Adjusting colour temperature can have a positive effect on employee productivity and well-being. Beneficial also in environments where it is important to see objects in different light ranges.

Convenient to use with a mobile app or a remote control.

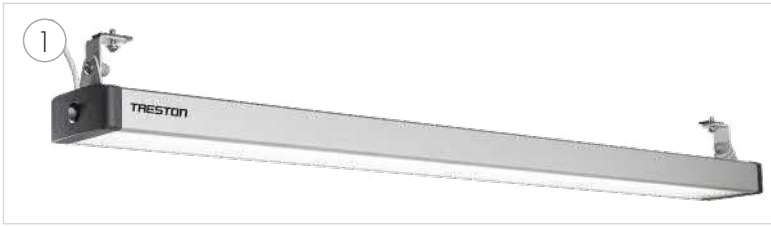
WATCH THIS ANIMATION and get the main facts of the Treston NaturLite LED lights in less than 2 minutes: <https://vimeo.com/241502723>

Available from Merlin Industrial Products Ltd - Call +44 (0)1752 690622 - Email [sales@mipluk.com](mailto:sales@mipluk.com) or Fax +44 (0)1752 313333



Dimmable  
brightness

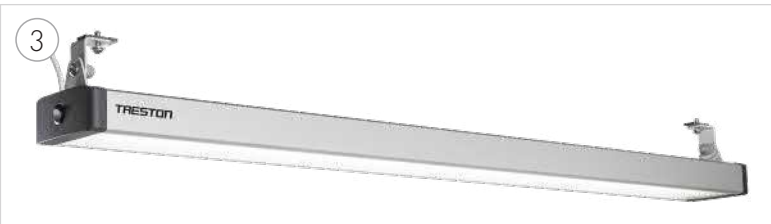
# Treston's New Lighting Solution: Treston NaturLite LED



**Treston NaturLite LED Plus 1200**  
Bright light with tunable colour tone



**Treston NaturLite Wing 500**  
Versatile task light



**Treston NaturLite LED 1200**  
Bright light with full adjustability



**Treston NaturLite LED 900**  
Bright, dimmable light in smaller body

Name	Control	Colour temperature	Illuminance ±10% (@1 meter)	Luminous flux	Power	Size W x D x H mm	Suitability	Code
1. <b>Treston NaturLite LED Plus 1200</b>	Controlled via mobile app or separate remote control + ON/OFF button in the luminaire body	2700 - 4000 K	~4000 K: 2800 lx (1000 - 2800 lx depending on the colour temperature)	3200 - 6300 lm (depending on the selected colour temperature)	60 W	1180 x 120 x 50	All Treston and various other industrial work-benches	TNL1200P
<b>Remote control for Treston NaturLite LED Plus 1200</b>	Easy to use and save presets via mobile app. White.					90 x 90 x 12	Treston NaturLite LED Plus 1200	TNLPR
3. <b>Treston NaturLite LED 1200</b>	Touch dim button switch for ON/OFF and dimming in the luminaire body	4000 K	3100 lx	7100 lm	56 W	1180 x 120 x 50	All Treston and various other industrial work-benches	TNL1200
4. <b>Treston NaturLite LED 900</b>	Touch dim button switch for ON/OFF and dimming in the luminaire body	4000 K	2300 lx	5200 lm	42 W	900 x 120 x 50	All Treston and various other industrial work-benches	TNL900
5. <b>Treston NaturLite LED Wing 500</b>	Touch dim button switch for ON/OFF and dimming in the luminaire body	4000 K	800 lx	1750 lm	14 W	430 x 120 x 50 mm (+ bracket 95/120 mm)	Treston Concept, VVB, LMT and TP (special brackets on request).	TNL500W

**Common features:** Dimmable, Lifetime > 50 000 hours (L90B10), Color Rendering Index CRI > 80, High quality LED (MacAdams < 3) Aluminium body, 2 years guarantee, Enclosure protection IP20



- ✓ Adjustability helps to find optimal lighting conditions.
- ✓ Timeless design brings functional beauty to industrial environments and it is never out of style.
- ✓ Easy and fast to install – just click, slide and screw.
- ✓ High-quality LED lights with high-quality drivers are care-free for years to come. Low maintenance, just keep them clean!



## Treston NaturLite LED Wing 500

- ✓ Versatile task light
- ✓ Working area with or without shadows
- ✓ Also suitable in the middle of the table



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### CUTTING EDGE TECHNOLOGY

Tunable colour tone (2700-6500 K)

Dimmable 1/10-100%

Power 14-60 W (max)

Lean design

Illuminance 800-3100 lx  
±10% (1 meter)

2 years guarantee

Lifetime > 50 000 hours (L90B10)

Suitable for all Treston and various other industrial workbenches

Color Rendering Index  
CRI > 80

Enclosure protection IP20

High quality LED  
(MacAdams < 3)