CARBON8
LIGHTING

T1 LiGHT RANGER

NEXT GENERATION MOBILE LIGHT TOWER, DESIGNED FOR PROFESSIONALS.

DATA SHEET



01256 300031
sales@c8l.co.uk
carbon8lighting.co.uk
@carbon8lighting

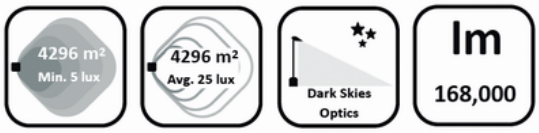
Unit 61 | Tempus Business Centre
Kingsclere Road | Basingstoke
RG21 6XG

T1 LiGHT RANGER

FEATURES & BENEFITS

T1 Light Ranger easily replaces diesel-driven light towers with much less weight and a fraction of the energy required, delivering low glare, and brilliant light coverage from a tower that is half the size of standard light towers.

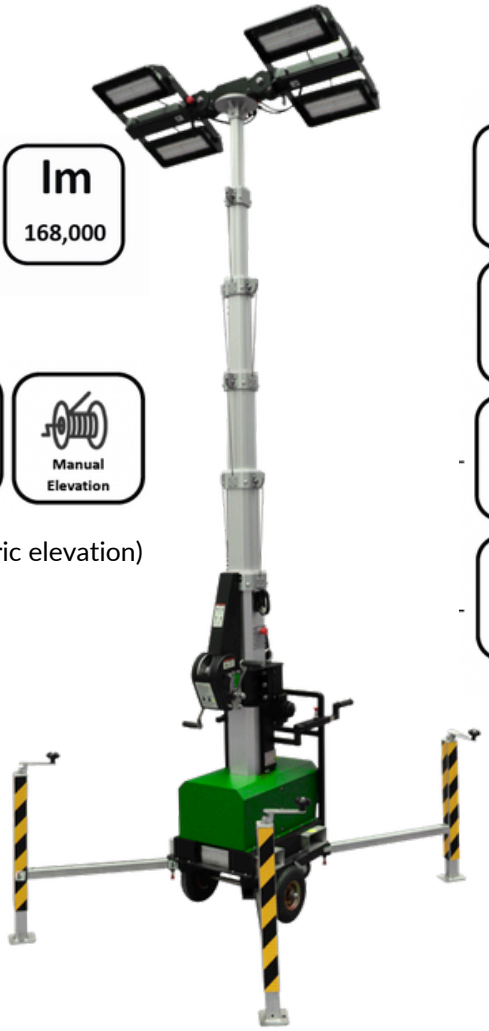
LIGHTING PERFORMANCE



OPERATION



(Optional electric elevation)





Link up to 2 units from a single power source



Twist & swap NEMA socket for light controls solutions



Control, dim & schedule lights remotely



Night mode light reduction minimises energy consumption & disruption to traffic and residential areas

MOBILITY

- Adjustable, retractable handles
- Jockey wheel
- Crane hook
- Large forklift pockets (160 x 80mm)

TRANSPORT EFFICIENCY



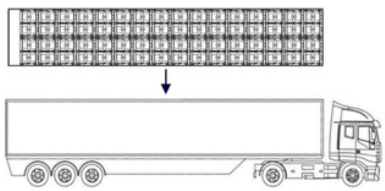
Designed as the most transport efficient 7 meter light tower available.
Delivering cost savings with each transport to and from the site and requiring less storage space when at the depot between rentals.



ONLY 600 x 800mm
TRANSPORT DIMENSIONS



2 UNITS
/ EURO PALLET



64 UNITS /
TRAILER

01256 300031
sales@c8l.co.uk
carbon8lighting.co.uk
@carbon8lighting

Unit 61 | Tempus Business Centre
Kingsclere Road | Basingstoke
RG21 6XG

T1 LiGHT RANGER



SAFETY & STABILITY

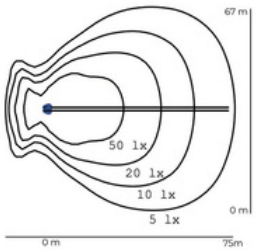
Patented triple drop prevention safety system, designed to keep operators safe.

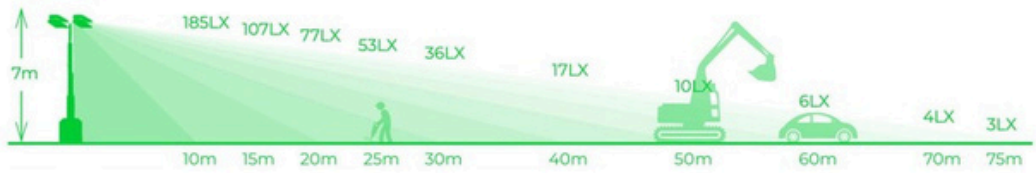




BRILLIANT LIGHT DISTRIBUTION

Professional grade asymmetric optics direct light only where it is needed, eliminating unnecessary light pollution, wasted power and delivers a longer distance, stronger light throw.

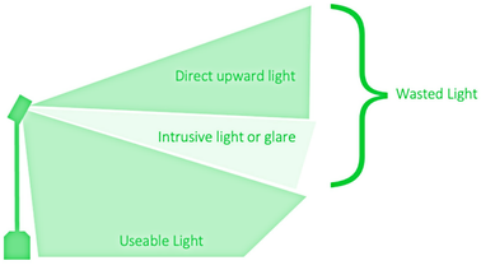


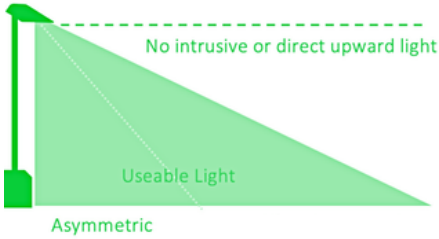


Large illuminated area of **4,296m²** with minimum **5 lux** and an average of **25 lux**









TYPICAL FLOOD LIGHTS

- Components of light pollution.
- Provide less light in desired direction.

T1 LIGHT RANGER

- Delivers further, stronger light throw with +59% extra light on the ground.
- Minimal light spillage achieved by precision lens light control

01256 300031
sales@c8l.co.uk
carbon8lighting.co.uk
@carbon8lighting

Unit 61 | Tempus Business Centre
Kingsclere Road | Basingstoke
RG21 6XG

T1 LiGHT RANGER

TAKE CONTROL OF YOUR LIGHTING

- Equipped as standard with twist & swap NEMA socket for lighting controls
- Manual ON/OFF & night mode



OPTIONS

- Bluetooth: Wireless, controllable, remote lighting management
- Astro Timer: Manual, scheduled lighting control
- Daylight Sensing: Maximise efficiency in combination with natural daylight
- Motion Sensing: For security and maximising efficiency
- Lorawan: Remote lighting management & monitoring



DESIGNED AND TESTED IN TOUGH ENVIRONMENTS

From harsh Scandinavian winters to Australia's rugged mining regions, the Carbon8Lighting mobile lighting range is built to perform, delivering reliable, energy-efficient light in all climates.

TECH SPECS

Model

Series	T1 Light Ranger
Model number	C8 ML T1-7 1200W

Performance

Illuminated surface	4,296m²
System power	1,200W
Luminous flux	168,000 lm
Lumen per Watt	140
Beam profile	Dark sky optics
Colour temperature (CCT)	5000K

Electrical

Operating voltage	100-305VAC/50Hz
Power factor	>0.92
Electrical class	Class 1
Protection	Over voltage / over temp. / short circuit
Dimmable	Yes
Input plug	CEE 230V
Output socket	Schuko 230V (optional)

Environmental

Ambient operating temp. range	-30°C to +45°C
Storage temp. range	-40°C to +80°C
IK class	IK08
IP class	IP65 (lighting) / IP54 (chassis)
Noise emissions	< 5 dB(A)

Physical

Fully extended height	7.1m
Elevation system	Manual (electric optional)
Mast rotation	340°
Mobility	Forklift pockets, crane hook, handles
Dimensions (min.)	788 x 658 x 2046 mm
Dimensions (max.)	1455 x 1752 x 6930 mm
Wind resistance	30m/s
Housing finish	UV stabilised powder coating
Weight	217kg

Approvals

Certifications	UKCA/CE
Service life L80 B50 (LED)	>100,000 h

01256 300031
sales@c8l.co.uk
carbon8lighting.co.uk
@carbon8lighting

Unit 61 | Tempus Business Centre
Kingsclere Road | Basingstoke
RG21 6XG