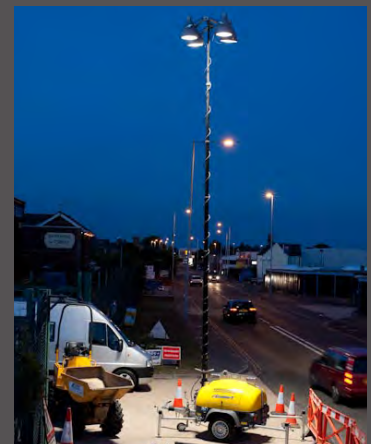




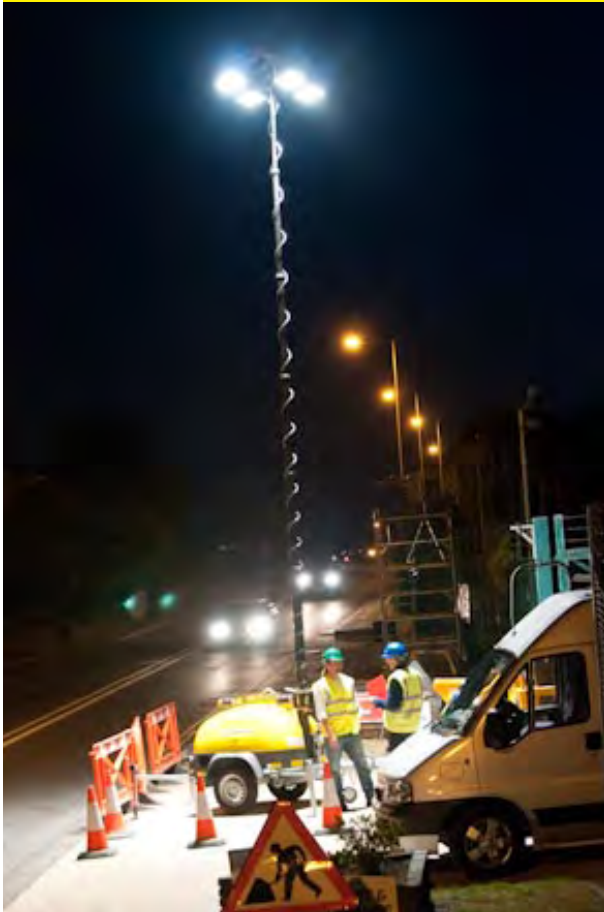
YOUNGMAN
INNOVATIVE LIGHTING SOLUTIONS

Environmentally focused lighting



80% Reduction in CO2

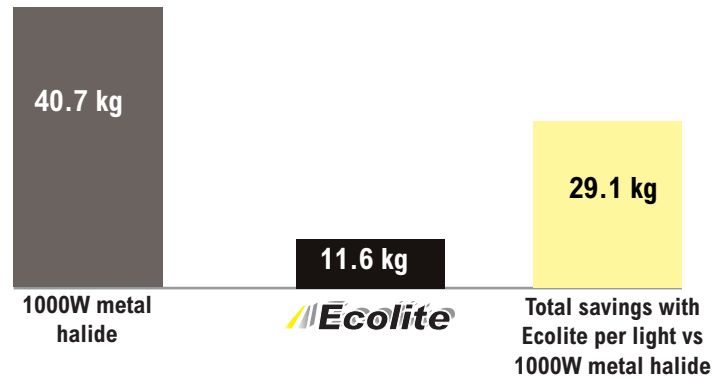
Youngman Group introduces Environmentally focused Lighting Towers



The new Youngman Ecolite lighting tower uses modern, energy efficient Ceramic Discharge Metal Halide technology which combined with our patented prismatic lenses produces superior definition, clarity and colour at a fraction of the CO2 output associated with any other lighting tower.

- 80% reduction in overall CO2 footprint
- Modular design for rapid component replacement & exchange
- High recyclable content
- Reduced light pollution (85% of light focused on task)
- Reduced noise pollution (ultra quiet, single cylinder air cooled engine) 86/33dba
- Hydraulic mast system uses biodegradable fluid - 9.1 meters
- Base unit is fully bunded providing 110% machine fluids containment
- Dusk to dawn auto switching and 7 day timer options
- 220V input output & 110V output options

Lighting Tower CO2 Comparison



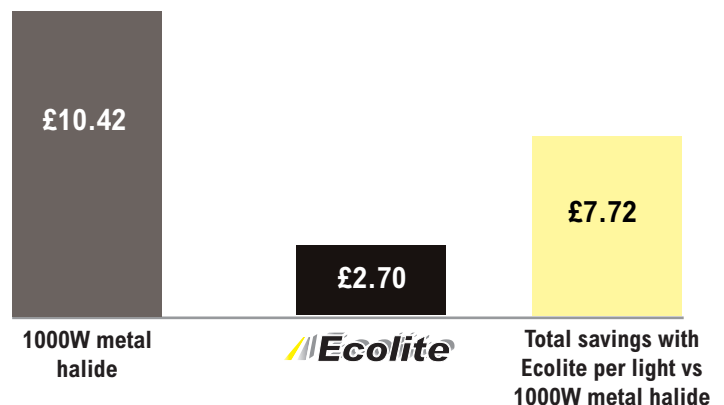
Save 75% on Fuel Costs

Youngman Group introduces Cost-Saving Lighting Towers

- 75% more fuel efficient
- 175 hour run time
- Lightweight & compact: 10 Ecolite -T units or 20 Ecolite - P units on a standard articulated lorry
- Fewer fuel deliveries
- Lower labour costs associate with refuelling
- Reduced traffic management costs & disruption (within road works)
- Fuel saving on bowser/fuel bunker vehicles
- Reduced opportunity for fuel contamination



Lighting Tower Cost Comparison (per day £)



	Traditional 1,000 Metal Halide	Ecolite	Savings
Cost per hour	£1.54	£0.40	74.09%
Cost per day (10 hours)	£15.44	£4.00	74.09%
Cost per week (7 days)	£108.08	£28.00	74.09%
Number of times to be refuelled (over a 6 month period)	30	10	33%

Light Coverage & Visibility

Ecolite



1,000W Metal Halide



- Results are achieved through tuning the light source to optimise mesopic vision, significantly improving the quality of light in terms of definition, clarity and colour reproduction.
- Using less wattage and photopic luminance also reduces the reflectance of the light from the road/work surface whilst improving visual acuity.
- Light reflectance is a major contributor to light pollution and creates glare that significantly hinders vision at night, creating a hazard in the work environment.

Ecolite-T

Specification:

Maximum gross weight	750 kg
Length x Width	2.5m x 1.345m
Height-lowered	2.15m
Height-fully extended floodlighting position	9.1m
Tow hitch height	0.44m
Overall width with stabilisers fully extended	2.105m
Wheel size	165 R13
Ground clearance	0.244m
Braking system	Park and Over-run
Engine	Hatz 1B20 Diesel
Engine oil capacity	2.6 ltrs
Fuel tank capacity	95 ltrs
Fuel consumption with lights only	0.5 ltrs/hour
Total run time on full tank	170 hours
Maximum power output	3.1 kW
Operating voltage	12V DC/220V AC
Lamps	4 x 150W
Noise Level	85d Ba LWA
Maximum wind speed	100kmph (62mph)
Additional safety system	AMOSS (Automatic Mast Operating Safety System)

Ecolite-P

Specification:

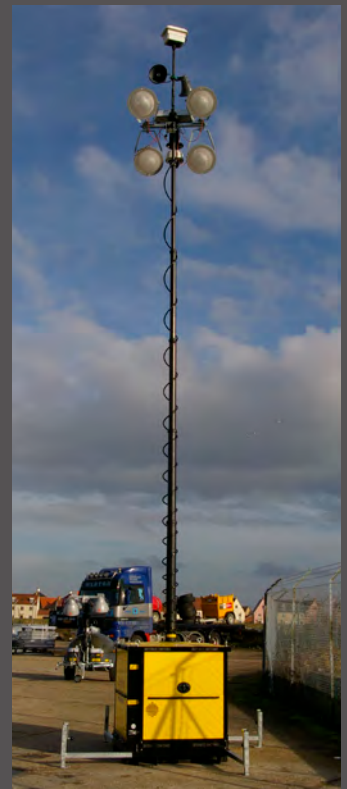
Maximum gross weight	750 kg
Length x Width	1.2m x 1.2m
Height-lowered	2.2m
Height-fully extended floodlighting position	9.1m
Overall width with stabilisers fully extended	2.7m
Engine	Hatz 1B20 Diesel
Engine oil capacity	2.6 ltrs
Fuel tank capacity	95 ltrs
Fuel consumption with lights only	0.5 ltrs/hour
Total run time on full tank	170 hours
Maximum power output	3.1 kW
Operating voltage	12V DC/220V AC
Lamps	4 x 150W
Noise Level	83dBa LWA
Maximum wind speed	100kmph (62mph)

Ecolite communications tower

The Ecolite Comms Tower is the latest in a range of innovative solutions from The Youngman Group to simplify connectivity at outdoor events. This ingenious tower light reduces the amount of infrastructure required at event sites, simplifying setup, deployment and installation, whilst still benefiting from the latest communication services.

The Ecolite Comms Tower provides everything you would expect from the latest palletised tower light including high efficiency, high power lights, 170 hours continuous running on generator, and has the additional communication capabilities of a built-in wireless network access point, CCTV camera and public address speakers.

The Ecolite Comms Tower operates as a standard 'POD', joining an existing on-site network and extending coverage by a further 300 metres to the next POD or central location, such as a Site Office POD (SOP) or Mobile command Centre (MCC). The built-in CCTV camera relays full frame video back to a central viewing point or hard disk recorder. The audio announcement unit can be configured to work with an existing PA system on site or run independently, supporting multiple announcement channels including an emergency broadcast. The tower unit also supports wired and wireless internet access and phone (VoIP) communications. This multifunctional tower works well at entrances, camping areas and plant working locations.



Ecolite

- Power Supply: 1x 16 amp C-Form or built-in 170 hour run generator
- Noise level with generator on 83dBa LWA – Total Height (with mast extended fully): 10.1m
- Max wind speed for safe operation 100kph
- Max weight 1000kg

Communications

- 23x Zoom PTZ Camera
- 802.11a/b/g/n wireless communications with mesh functionality
- Integrated PA horns
- 1000/100/10 Ethernet cable communications



Zone 2 compliant Ecolite-P

Special Zone 2 features

- Spark arrestor
- Chalwyn valve
- Braided fuel lines
- Fuel valves
- Battery isolator