



Product Range

*Eco-Friendly LED
Lighting Tower Hire*



Delivering a brighter site

01245 208031 • www.illumin8lights.co.uk • sales@illumin8lights.co.uk

An introduction

Hiring your site lighting essentials from the lighting specialist **Illumin8** puts you in control!

Yes, there are hire companies that offer site lighting as part of their general plant fleet. Some will deliver, and others may even unload the lights for you ... but ... Illumin8 does so much more than just a standard 'deliver and drop off' service.



Founded in 2015, Illumin8 has one of the most modern, eco-friendly lighting rental fleet available today. All their sets have been carefully selected for ease of operation, low-fuel consumption, reduced emissions, together with limited noise pollution. Illumin8 sets produce bright, safe, and economical site lighting for a variety of applications including: outside events, rail projects, highway working, and on construction sites.




You have the option for experienced and skilled Illumin8 personnel to deliver, unload, and then carry out a full installation service. They will not leave site until you are entirely satisfied with your lighting arrangements. Then the same expert people will connect you to Illumin8's unique telemetry system, which allows you to remotely monitor the performance of each light from your smartphone, laptop or tablet. You are now in complete control.





Hire your lighting from the professionals – *hire from Illumin8!*



Eco-Friendly LED Lighting Tower Hire



Model For rental	ECO8	ECO8 Hybrid Lithium	ECO8 Hybrid
			
Light coverage	3800sqm	3000sqm	3800sqm
HVO emissions	28kg/month	6kg/month	12kg/month
Fuel usage	0.54L/hrs	0.12L/hrs	0.23L/hrs
HVO fuel costs	£114/month	£26/month	£48/month
Silent running time	N/A	10.5hrs	18hrs
Run time Before refuel	200hrs	450hrs	860hrs
Re-charge time with Lamps on	N/A	3.5hrs	9hrs
Run-time	200hrs	450hrs	860hrs
Qty per truck	13	13	7

ECO8 Solar Pro	ECO8 Chain	ECO8 Battery	ECO8 Tripod
			
2400sqm	2400sqm	2000sqm	2028sqm
ZERO	ZERO	ZERO	ZERO
ZERO	ZERO	ZERO	ZERO
ZERO	ZERO	ZERO	ZERO
365 nights	365 nights	365 nights	365 nights
N/A	N/A	N/A	N/A
N/A	N/A	12 hrs	N/A
365 nights	365 nights	72 hrs	365 nights
8	32	22	N/A



HVO fuel (Hydrotreated Vegetable Oil)



Illumin8 are supporting the use of **HVO fuel**. For those that are not familiar with HVO fuel, it is a renewable diesel alternative based on vegetable oils, grease and similar residue.

- HVO fuel can reduce CO₂ emissions by up to 90% when likened with fossil-fuel diesel.
- HVO is **FAME (Fatty Acid Methyl Ester) free** fuel and is wholly compatible, and approved to use, as an alternative replacement fuel to traditional fossil-fuel diesel.
- Using HVO fuel can significantly reduce a user's carbon footprint.
- HVO fuel can be safely stored for up to ten years, whereas regular diesel, even under ideal conditions, can only be stored between six and twelve months.
- HVO can reduce the possibility of fuel contamination, breakdowns and fuel testing.
- Tests have indicated that HVO fuel provides better starting, cleaner combustion and consequently less chance of waxing and water retention in extreme temperatures.
- With many major UK infrastructure projects promoting the use of HVO, combining Illumin8 lights with HVO fuel will produce a cleaner, greener atmosphere.

Telemetry



Illumin8 include an advanced telemetry, wireless tracking and monitoring system to the majority of their lighting fleet. An operator can see, via a connected device – smartphone, laptop or tablet these operations:

- The precise location of each unit, tracked by GPS.
- How the set is performing.
- Check basic functions such as low oil, low fuel and low battery levels.
- Save fuel by remotely switching off individual lights.
- If any of the lights are malfunctioning or require routine maintenance, the operator will then report this information back to Illumin8 for rectification before the set becomes inoperable. This saves time and helps to keep the project running by reducing any potential downtime.
- Using Illumin8 lighting saves time and helps to keep your project running.



Eco-Friendly LED Lighting Tower Hire

EC08

Features

- Multi-directional adjustable and tiltable floodlights
- 6x 160W, 48V LED lights
- 7 sections hydraulic vertical tower 8.5 m, 340° rotatable
- Galvanized metalworks
- Very compact dimensions for easy handling & transportability, up to 13 units per truck
- Central lifting eye, longitudinal and transversal forklift pockets for effective handling
- Control panel alarms for engine protection and fuel level indicator
- Circuit breaker for electrical protection against overload
- External emergency stop button
- Fully bunded tank, 110%
- Certified wind stability up to 110 km/h
- 4 height adjustable stabilizers
- On board levels for guidance during stabilization
- Amoss safety brake



HVO Fuel

4,200 sqm area illuminated

running time **200h**
fuel consumption 0.55 l/h
110 litre tank

Remote capabilities
from phone & laptop

45% reduced transport costs

Noise level 65 (dBA) at 7m

13 units per truck

Dimensions & weight	Dimensions min (mm)		Dimensions max (mm)		Total weight (kg)		
		2540x1390x2420(LxWxH)		2540x1550x8500 (LxWxH)		920	
Floodlights	Type	Power (each)	Floodlights number	Options	Illuminated area (sqm)		
	Led	160W	6	Timer	4,200		
Mast	Lifting Method		Max height	Max wind speed	Rotation		
	Hydraulic		8.5 m	110 km/h	340°		
Engine	Model	Fuel	r.p.m.	Tank capacity (l)	Consumption (l/h)	Running time	Noise level (dBA) at 7m
	Kubota Z482*	Diesel	1500	110	0.55	200 h	65

EC08 Hybrid Lithium

Features

- 6x100W High Efficiency LED heads
- On/Off switches - one for 2 lamps
- Multi-directional adjustable and tiltable by hands floodlights
- 7 galvanized sections - Hydraulic lifting system Max height 8,5 meters
- Yanmar 2TNV 70 model diesel engine - 2 cylinders liquid cooled - 1500 rpm
- Noise level 0-65dB (at 7m)
- 50 liters fuel tank capacity
- Fully bunded
- 1 x Lithium battery
- Special batteries charger
- 455hrs running time before to do first refill => same time frame for first oil refill and maintenance
- Control panel c/w DSE401 & Light sensor as std feature
- Electrical protection from overload and circuit breaker
- Compact dimensions for easy handling & transportability 13 units per lorry
- Guided main coiled cable to avoid damage during tower operation
- Certified wind stability up to 110 km/h
- 4 side stabilizers - Central lifting eye - base c/w 4sides forklift pockets
- Road tow trailer ECC homologated



Hybrid	Lithium battery	3,000 sqm area illuminated	running time 11.5 h from battery
running time 455 h before refill	Recharging time 3 h	Reduction in CO₂ emissions leader in sustainability	13 units per truck

Dimensions & weight	Dimensions min (mm)		Dimensions max (mm)		Total weight (kg)			
		2540x1390x2420 (LxWxH)		2540x1550x8500 (LxWxH)		1110		
Floodlights	Type	Power (each)	Floodlights number	IP level	Illuminated area (sqm)			
	Led	100W	6	65	3,000			
Mast	Lifting Method	Max height	Max wind speed	Rotation	Safety valve to lower the mast			
	Hydraulic	8.5 m	110 km/h	340°	yes			
Battery Pack	Type	Batteries number	Battery pack	Hybrid mode	Running time from battery	Charging time with LEDs off	Complete discharge cycle	Consumption
	Lithium	1	28.9V dc 185 ah		11 h - 30'	3 h	14 h - 30'	0.11/h
Engine	Maker - Model		Layout - power	Fuel tank (l)	Fuel Consumption(l/h)	Running time before refill		
	Yanmar 2TNV70 liquid cooled		2 cylinders 1500 rpm	50	0.55	455 h		

EC08 Hybrid

Features

- Multi-directional adjustable and tiltable floodlights
- 7 sections hydraulic vertical tower 8.5m, 340° rotatable
- Standard light sensor for machine power on and off
- Very compact dimensions for easy handling & transportability, up to 7 units per truck
- Central lifting eye longitudinal and transversal forklift pockets for effective handling
- Plug & play, colour coded cables and connectors
- Guided main coiled cable to avoid damage during tower operation
- Control panel alarms for engine protection and fuel level indicator
- Circuit breaker for electrical protection against overload
- External emergency stop button
- Fully bunded tank, 110%
- Certified wind stability upto 110 km/h
- 4 extendable & height adjustable stabilizers
- On board levels for guidance during stabilization



Hybrid

3,800 sqm
area illuminated

running time
11 h
from battery

running time
860 h
before refill

Recharging time
9 h

Reduction in CO₂ emissions
leader in sustainability

7 units
per truck

Dimensions & weight	Dimensions min (mm)		Dimensions max (mm)		Total weight (kg)	
		2944x1466x2570 (LxWxH)		2944x2928x8500 (LxWxH)		1290
Floodlights	Type	Power (each)	Floodlights number	IP level	Illuminated area (sqm)	Options
	Led	150W	6	67	3800	Timer
Mast	Lifting Method		Max height	Max wind speed	Rotation	
	Hydraulic		8.5 m	110 km/h	340°	
Battery Pack	Type	Batteries number	Battery pack	Expected battery cycle	Expected lifetime	
	AGM	4	24V dc 400 ah	500	9500h	
Hybrid mode	Running time from battery	Running time before refill	Charging time with LEDs on	Charging time with LEDs off	Complete discharge cycle	Hybrid mode consumption
	11 h	863 h	11 h	8 h	19 h	0.23 l/h
Engine	Model	Fuel	r.p.m.	Tank capacity (l)	Consumption (l/h)	Noise level (dBA) at 7m
	Kubola Z482	Diesel	1500	222	0.55	62

EC08 Solar PRO

Features

- 6 sections telescopic galvanized vertical tower
- 8 m maximum height
- Manual mast raising system
- No.4 LED Lights 65W each High Efficiency Made in Europe
- Illuminated area 2400 sqm
- IP65
- Mechanical Rotation 340°
- 4 sides lockable and adjustable in height stabilizers
- Road Tow trailer chassis c/w front jockey wheel for easy handling
- On board levels for guidance during stabilization
- Stop emergency button
- No.3 Solar Panel 340W each c/w electric tilting
- MPPT Solar charger control
- 24Vdc - 400Ah Battery pack (4pcs batteries in total)
- Battery charger built-in
- Inlet plug to charge the batteries from mains/external generator
- Dedicated Frontal panel:
- Battery charger monitor
- External power source signal lamp
- Lamps hour meter
- Manual Mode / Auto selector
- Light sensor relay
- Lamp switches
- Dimmer selector switch:
- 100% - 75% - 50% - 25% of light intensity choice



Dimensions & weight	Dimensions min (mm)		Dimensions max (mm)		Total weight (kg)
		3454x1580x2517 (LxWxH)		3454x3335x8000(LxWxH)	
Floodlights	Type	Power (each)	Floodlights number	IP level	Illuminated area (sqm)
	Led	65 W	4	65	2,400
Mast	Lifting Method	Max height	Max wind speed	Rotation	
	Hydraulic	8 m	1010 km/h	340°	
Battery	Type	Batteries number		Power Battery Pack	
	AGM	4		24 Vdc 400A	
Solar panel	Model	Numbers	Wattage each	Solar panel deployment	Solar charge control
	Monocrystal Silicon	3	340 W	Electric – 26° max inclination	MPPT

ECO8 Chain

Features

- Multi-directional adjustable and tiltable floodlights
- 5 sections vertical tower 7m, 340° rotatable
- Manual lifting system by winch complete with auto-braking system
- Very compact dimensions for easy handling & transportability, up to 33 units per truck
- Light weight for improved manoeuvrability
- Central lifting eye forklift pockets for effective handling
- Guided main coiled cable to avoid damage during tower operation
- Circuit breaker for electrical protection against overload
- Certified wind stability upto 110 km/h
- 4 extendable & height adjustable stabilizers
- On board levels for guidance during stabilization
- Patented mast emergency brake which prevents the falling of the mast in case of cable failure
- Winch cover
- Top electrical box protection cover
- 2 Retractable galvanized handles
- Light Sensor as standard
- Bolted Central lifting eye



Dimensions & weight	Dimensions min (mm)		Dimensions max (mm)		Total weight (kg)
		1200x850x2100 (LxWxH)		1850x1450x7000 (LxWxH)	
Floodlights	Type	Power (each)	Floodlights number	IP level	Illuminated area (sqm)
	Led	160W	4	65	6,200
Mast	Lifting Method	Max height	Max wind speed	Rotation	Mast emergency system
	Manual	7 m	110 km/h	340°	yes
Input & output	Inlet plug	Outlet socket	General	Tower lifting method	Trailer type
	32A - 230V	32A - 230V		Manual	Hand trolley

EC08 Battery

Features

- Multi-directional adjustable and tiltable floodlights
- 5 sections manual vertical tower 7m, 340° rotatable
- Standard timer for machine power on and off
- Very compact dimensions for easy handling & transportability, up to 22 units per truck
- Central lifting eye longitudinal and transversal forklift pockets for effective handling
- Plug & play, colour coded cables and connectors
- Guided main coiled cable to avoid damage during tower operation
- Certified wind stability upto 110 km/h
- 4 height adjustable stabilizers
- On board levels for guidance during stabilization
- Running time - 72h
- 24 volt DC Battery
- Floodlights 4x100W
- Recharging in 12 hours
- 230V 1PH Battery charger built-in



100%
battery

2,000 sqm
area illuminated

ZERO
emissions

ZERO
fuel costs

ZERO
noise

running time
36-72h
from battery

leader in
Sustainability

22
units
per truck

Dimensions & weight	Dimensions min (mm)		Dimensions max (mm)		Total weight (kg)	
		1200x1200x2300 (LxWxH)		2500x2500x7000 (LxWxH)		750 (36H) - 998 (72H)
Floodlights	Type	Power (each)	Floodlights number	IP level	Illuminated area (sqm)	
	Led	100W	4	65	2,000	
Mast	Lifting Method	Max height	Max wind speed	Rotation	Mast Safety valve	
	Manual	7 m	110 km/h	340°	No	
Battery	Type	Power Battery Pack	Model	Running time	Recharging time	Battery charger built-in
	AGM	24Vdc 400ah (36H) 24Vdc 800ah (72H)	Trime	36h - 72h	12 h	230V 1PH

EC08 Tripod

For Directional Area Lighting Requirements

- 6 x 100W Light heads on K45-LITE
- Average 20 lux over 2028 m² based on a deployed height of 4.1m

360 Degree Area Lighting

For Applications Where Multi-Directional Lighting Is Required

- 6 x 100W Light heads on K45-LITE
- Average 20 lux over 3552 m² based on a deployed height of 4.1m



Additional services

Delivery and Collection

Our trained drivers can self-load and unload at a destination using a moffett forklift/lorry mounted crane which attaches directly to the back of the delivery vehicle. This saves the customer valuable time on site. A full load of equipment can be unloaded within 40 minutes.



Fuel Management

With our fuel management service we can ensure you always have light. Our fuel bowsers are fully bunded to eliminate leaks, our team of experienced drivers make sure we comply with local fuel transport regulations. Once on your site we take full responsibility for safety when refuelling so in the unlikely event of a spill our trained staff carry all appropriate spill kits.

- Calculating your fuel needs based on your usage – and scheduling deliveries to match.
- Making sure our fuel is of the highest quality and free from contaminants.



Install and dismantle

Liaising with venue owners/managers in terms of positions on site our team will install and dismantle the equipment to reduce added pressure to the customer. Reducing additional staff and vehicles, the Illumin8 team will work with site plans and maps to place and erect lighting units.





*Delivering
Nationwide*

Delivering a brighter site

Illumin8 Lights Ltd. Unit 8, Tabrums Farm, Battlesbridge, Essex SS11 7QX

01245 208031 • www.illumin8lights.co.uk • sales@illumin8lights.co.uk