

GLOW IN THE DARK

LIGHTING TOWERS ARE ESSENTIAL PIECES OF KIT TO KEEP TEAMS WORKING THROUGH THE NIGHT, ESPECIALLY AS THE NIGHTS START TO DRAW-IN.

With the most comprehensive range of lighting towers we appreciate that choosing the right one for your scheme can be complicated.

Here is a best practice guide to help managers and site operators choose the most robust and reliable products for their needs.

QUICK CHECK LIST BEFORE YOU PURCHASE?



Does your lighting tower have a Zintec plated canopy? If it does, it will avoid rust and corrosion in extreme environments



Check super silent operation - the appropriate sound level is a minimum of 60 dB(A)



Do you have biodegradable oil in the hydraulic system? It's better for the environment



Ensure the engine fluids and fuel tank are fully bunded to protect the environment from spillages



Ensure your engine comes complete with fail safe auto shutdown in the event of high engine temperature and low oil pressure

OTHER OPTIONAL KEY FEATURES YOU COULD CONSIDER:

- Dusk 'til dawn sensor
- Telemetry for remote management anywhere in the world
- 110V power inlet
- LED lights offer greater hours of operation and keep maintenance costs low
- Levelling sensor detects uneven terrain

DEFINE YOUR NEEDS

Clear and defined objectives are essential to determine which products should and can be used.

Adopting a formal strategy ensures that construction and rail sites along with quarries are able to establish the lighting scheme's effects on the surrounding environment along with meeting site and operator requirements from start to finish.

Think about why you need a lighting tower and its operating environment. A traditional metal halide lighting tower used on a construction site is different to one required in a quarry or on an oil rig. A good manufacturer will be able to offer you a fit for purpose range not a one size fits all.

The majority of lighting tower manufacturers, through their engineering department, will help support this and often work with external consultants to ensure that the right products are specified.

SAFETY - FIRST AND FOREMOST

Ensure your lighting tower offers an **Advanced Safety System** as standard. This includes:

- Automatic mast descent when handbrake is released. This will ensure the mast comes down before it can be moved across site
- Deployment alarm
- Emergency stop button
- Auto shut down in the event of low oil pressure/high engine temperature
- Forklift pockets and single lift eye for cranes and Hiabs
- Can be secured at ground level and is HSE compliant when loaded onto a flat bed truck.

QUICK SAFETY GUIDE

- Carry out Daily Checks - including **Fuel, Coolant and Oil levels**
- **Deploy rear stabilisers FIRST.** Ensure all legs are locked in place. Wind down legs are best and most reliable in extreme environments
- **Check the unit is level** by looking at the spirit level on top of the machine
- Before raising mast, ensure **ALL stabilisers are level and deployed**
- Raise the mast, ensuring it is **clear of ALL overhead obstructions and power lines**
- **Turn on the lights one by one**
- When leaving site and lowering the lighting mast, ensure **ALL stabilisers remain deployed**
- If in doubt check QR codes on new machines for safe operation



TL90 Metal Halide
• Kubota D905
• 4 x 1000W Metal Halide

TL90E LED
• Perkins 403D-07G
• 5 x 240W LED

TL90 3e LED
• Perkins 403D-07G
• 4 x 300W LED

TL90 Solar-2
• 4 x 55w LED

TL90 iLED
• Perkins 403D-07G
• 4 x 300W LED • Deep Sea Panel
• Telemetry

TL90 ELV
• Perkins 402D-05G
• 4 x 48v, 300W LED

TL90 AF
• Kubota D905
• 4 x 1000W Metal Halide
• Adjustable drawbar

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