

# ALLIGHTSYKES

Because light is our middle name...

The team behind the world's best regarded mining equipment solutions brands is underpinned by a single objective - to engineer and build solutions which make mining and construction projects safer and more productive while being sensitive to the environment

## ALLIGHT

The science of mobile lighting has sat at the heart of the Allight brand for more than 20 years. From worldwide headquarters in Perth, Western Australia, design, engineering, procurement and assembly teams produce almost 3,000 lighting towers a year.

Powered by either a CAT or Perkins engine, each tower features the world's most reliable components as well as a unique mast design and light assembly which makes sure the maximum output reaches your work platform for optimum productivity and safety.

## Product Support Promise

Selling you a strategic project solution isn't an AllightSykes goal. It's our starting point.

We understand that you need to be able to rely on fast, fuss-free genuine parts and service and warranty back-up long after your lighting tower has started doing its job.

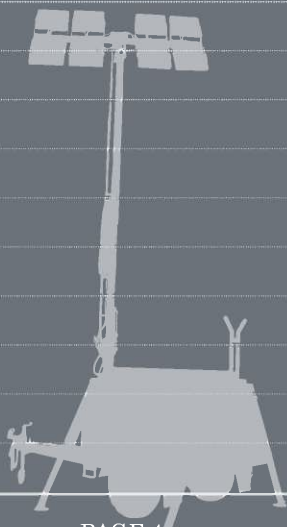
That's why our genuine parts and Product Support teams are on hand to make sure you can access qualified, professional and highly skilled technicians when you need them most.



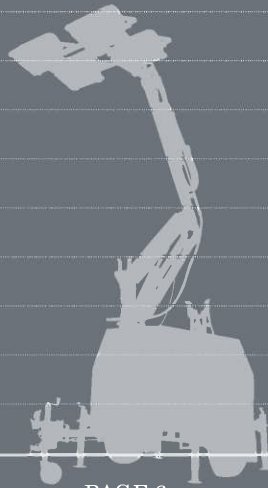
# Meet the Allight family



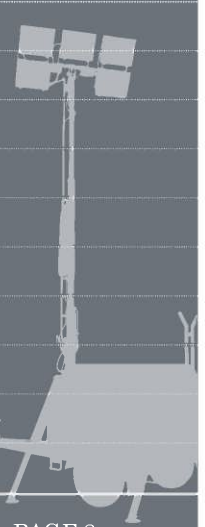
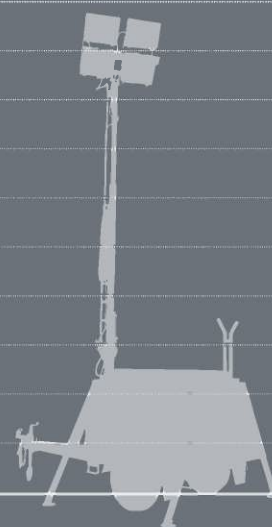
12m  
11m  
10m  
9m  
8m  
7m  
6m  
5m  
4m  
3m  
2m  
1m



PAGE 4



PAGE 6



PAGE 8

# Optimum safety and productivity from the world's largest spread of mobile lighting options.

Over the last 20 years our designers and engineers have studied hundreds of mining and construction environments to make sure we have the spread of lighting options you need to make your project safe and productive.

All our towers are built in Australia; where mining standards are generally regarded as being the toughest in the world.

They're all powered by either CAT or Perkins engines - two of the brands which you know you can trust

We use the best components we can find - including

lamps and lights which we've chosen and integrated into our unique mast design to make sure the maximum output reaches your work platform for optimum productivity and safety.

And when it comes to the environment, we know better than most how much you need the comfort and confidence that your mobile lighting comes up to scratch. That's why we're driving innovations such as integral 110% fluid spillage protection bunds as standard.

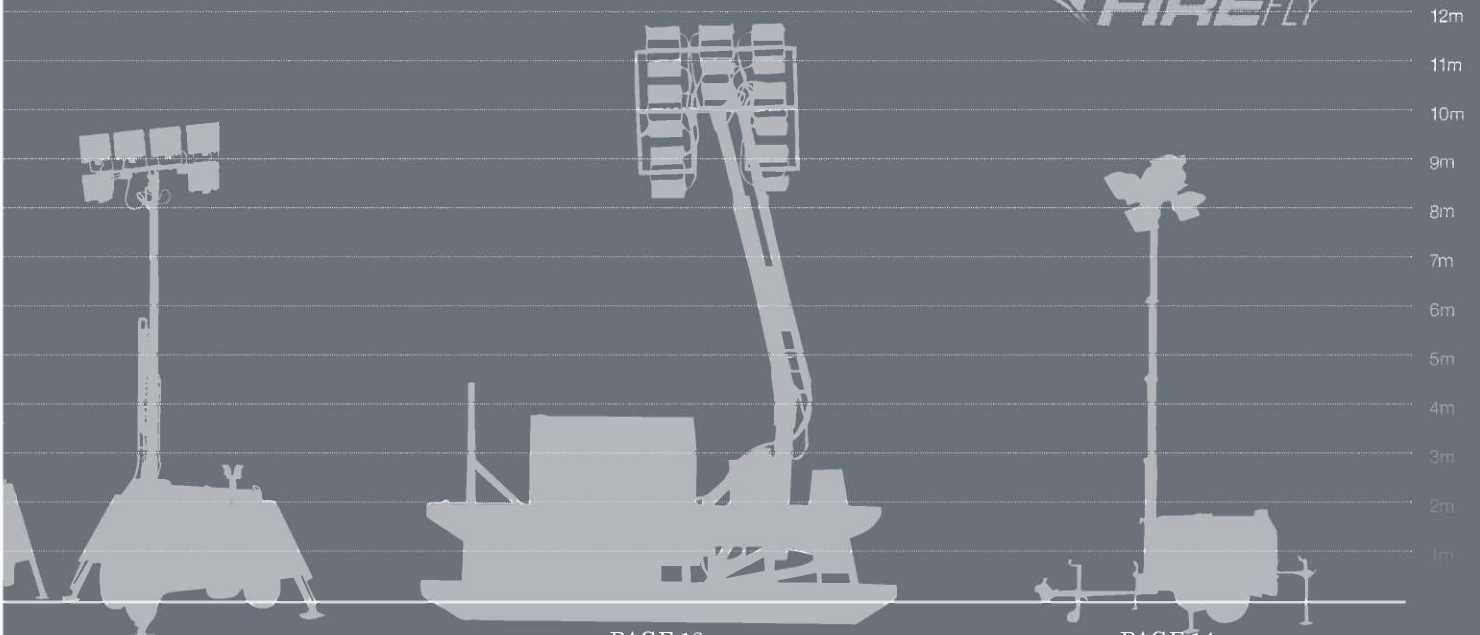
## Here's a quick look at some of our features and innovations - and how they will benefit your project.

- A lighting tower option for every mining and construction project
- Designed, engineered and built in Australia to meet the world's toughest standards
- 110% fluid spillage bund as standard - for environmental compliance
- After sales and product support
- Dozens of mast options for maximum flexibility
- Genuine parts across all products
- Unique highwall overhang system gets more light to your work platform
- 500 hour service intervals means low maintenance and ownership costs
- Individually adjusted lamps means you can focus the light more precisely
- Double-ended metal halide lamps means less damage in transit
- Large doors for quick and easy service access

# family.

SUPER SKIDS

 FIREFLY



PAGE 12

PAGE 14

# Out Front. Pulling Away.

IN TODAY'S LED LIGHTING TOWER GAME THERE ARE THREE KINDS OF PLAYERS,

THOSE WHO MAKE THINGS HAPPEN,  
THOSE WHO WATCH THINGS HAPPEN,  
AND THOSE WHO WONDER WHAT HAPPENED.

WE KNOW WHERE WE STAND:

- Perkins 2 cylinder
- Extra low voltage (DC)
- 8 x 240W producing 176,424 lumens
- Stabilised power consumption of the LED is 240W nominal
- Refuel every 3 weeks
- 18t annual carbon footprint reduction
- 50,000hrs of life per light



## STANDARD EQUIPMENT

Height	2600 mm (8' 6")
Length	5200 mm (17' 1")
Width	2100 mm (6' 11")
Weight (Wet)	1500 kg (3307lb)
Fuel	Diesel
Fuel Capacity	220L (58 US Gallons)
Fuel Tank	Plastic
Fuel Consumption	0.89L/hr
Runtime	24hrs
Engine	Perkins 402D-05G @1500rpm
No. Engine Cylinders	2
Engine Aspiration	Naturally aspirated
Alternator	4 pole, single bearing, brushless

Power Generation	1.9kW continuous (DC)
Electrical System	48 VDC
Number of Lights	8
Type of Lights	240W LEDs
Total Light Output	176,424 Lumens
Light Tilt	Hydraulic
Mast Rotation	Manual
Mast Raise/ Extension	9m (29' 6")
Tire and Rim Size	205 R16
Stabiliser Supports	4 x wind down
Tow Hitch	50mm ball (1.9") 2000kg (4409lb)
Also Includes	Battery Isolation, Emergency Stop, Timer Shutdown



## AT A GLANCE

- New Perkins 2cyl water cooled engine
- Extra low voltage (DC). OH&S risk elimination
- 8 x 240W lamps producing 176,424 lumens.
- Each LED flood light provides 22,053 effective lumens after stabilisation (IES standard – LM 79-08). Photometric testing and light plots have been provided by a NATA accredited laboratory in Australia. Through this process AllightSykes can confidently state that the light output and light plot presented will match field testing.
- Refuel every 3 weeks - on basis of 10hr operation each night
- 18t annual carbon footprint reduction per tower compared with metal halide equivalent
- Total Control System (start/stop, location tracking and performance monitoring via laptop or iPhone). Complete plug and play system with no hard wired componentry makes for easy part and loom servicing or replacement
- 500hr service intervals
- Light Instant on (no warm-up/cool down)
- 20 years as leaders in the science of lighting
- Made in Australia

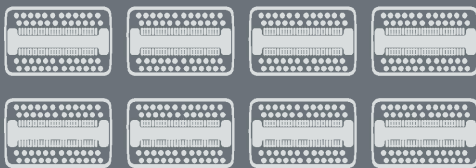


LAMPS  
POWERED BY  
HELLA



 =  0.89Ltr

**60**  
MINS



**8**

Lamp  
Wattage  
240w

Single  
Axle



# Packed full of bright ideas.

DURABLE, RELIABLE AND VERSATILE, THE COMBILITE SETS EXCITING NEW STANDARDS IN SAFETY AND PRODUCTIVITY - AND IS IDEAL FOR HEAVY DUTY CONSTRUCTION AND LIGHT MINING ENVIRONMENTS.

Designed, engineered and built in Australia - the tower packs out 6000w of light.

Thanks to its unique highwall overhang facility, maximum light can be focused on the work platform to improve productivity and safety.

And with the environment playing an increasingly important role in global mining and construction projects, COMBILITE comes complete with a full 110% environmental bund.

The small footprint and unique space-saver mast design also allow for easy transport in urban construction, events and road works: whilst the Mine Spec chassis and high-wall capabilities are ideal for light mining applications - so it really is packed full of bright ideas!



## STANDARD EQUIPMENT

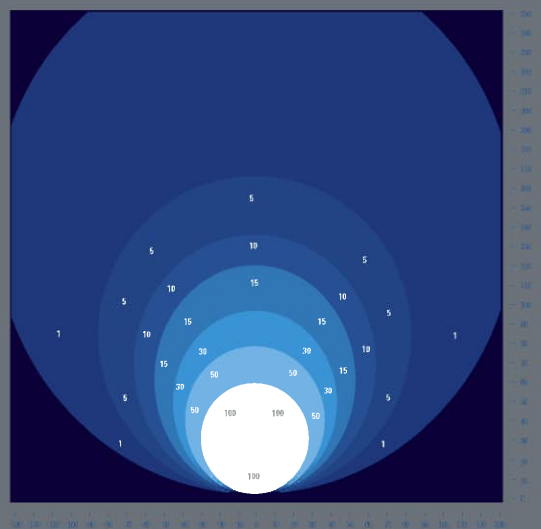
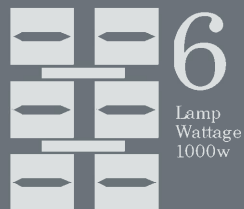
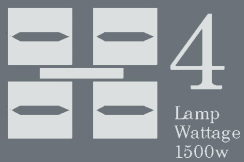
Height	2350 mm (7'7")
Length Draw Bar Retracted	2300 mm (7'5")
Length Draw Bar Extended	3140 mm (10'3")
Width	1650 mm (5'4")
Mast Height Fully Extended	9.0m (29'5") Nominal
Weight (Wet)	1500kg (3307lb)
Fuel	Diesel
Fuel Capacity	130 litres (34 US Gallons)
Engine	Perkins 403D-11
Engine Cylinders	3
Engine Aspiration	Natural
Combustion System	Indirect Injection
Alternator	10kW Brushless, 4 pole

Volts	240V / 110V / 220V
Hz	50 / 60
Power Outlets	Options available
Type of Lights	Metal Halide
Number of Lights	4 x 1500 watts / 6 x 1000 watts
Light Tilt	Hydraulic
Mast Rotation	350° Manual operation
Mast Raise / Extension	Hydraulic Knuckle Boom
Mast High Wall Capacity	3m (9'10") Nominal
Tire and Rim Size	16"
Stabilizers Support	Manual
Tow Hitch	Ring or Ball hitch
Brakes	Cable Drum Brakes
Environmental	Full Containment Bund



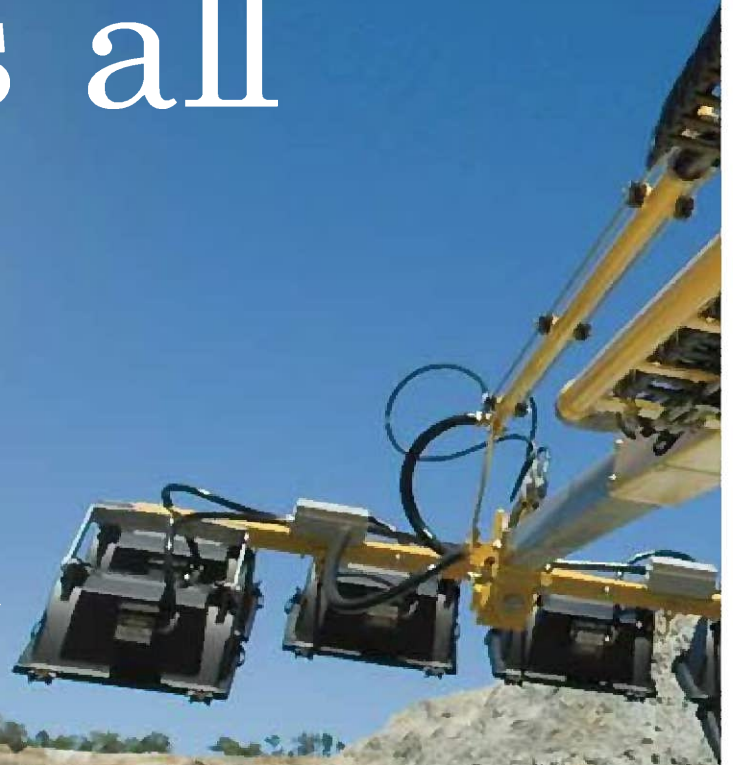
## AT A GLANCE

- Light enough for metro. Tough enough for mining
- Numerous mast options (including articulated option for highwall overhang)
- 6x1000W or 4x1500W double-ended metal halide lamps
- 350 degree mast rotation whilst fully extended
- Electric light bar tilt via simple control panel
- Horizontal and vertical adjustment of each lamp
- Single axle running gear with retractable drawbar
- Full environmental bund for spillage protection
- Power outlets in weather resistant control panel
- Large universal doors for quick and easy service access
- CAT or Perkins powered
- Cheap to move - 7 towers can be transported on a 40ft flatbed truck or 40ft container
- Forklift pockets, lifting points and tie down straps



# Reliable, strong, and tough as all hell:

OUR MINESPEC LIGHTING TOWERS ARE DESIGNED, ENGINEERED AND MANUFACTURED IN AUSTRALIA BECAUSE WE KNOW THEY HAVE TO BE READY TO OPERATE NIGHT AFTER NIGHT IN THE WORLD'S MOST AGGRESSIVE MINING AND CONSTRUCTION ENVIRONMENTS.



When you specify MineSpec in your project asset schedule, you can be certain you're including a level of resilience, durability and efficiency which most other industrial strength towers struggle to match, let alone exceed.

# Mine [Spec] Series



## POWERFUL ILLUMINATION

- Individually switchable double-ended metal halide lamps engineered specifically for operation in mobile equipment; gas filled instead of filament, quick change, vibration resistant, long lasting, heavy duty, and delivering clear, true white light
- Also available with High Pressure Sodium lamps shining powerful yellow light for applications requiring environmental sensitivity, or sites with heavy airborne particulates (coal, dust, fog)
- Highwall overhang capabilities on hydraulic models
- Heavy duty conduit providing mechanical protection and electrical continuity
- Up to seven scopes of lighting direction/positioning













## MS4.5K-M

## MS4.5K-9

## MS6K-9

		MS4.5K-M	MS4.5K-9	MS6K-9
TRAILER	Height	2600mm (8' 6")	2600mm (8' 6")	2500mm (8' 4")
	Length	4800mm (15' 9")	5200mm (17' 1")	5200mm (17' 1")
	Width	1900mm (6' 3")	2100mm (6' 11")	2100mm (6' 11")
	Weight (Gross)	1350kg (3970lb)	1500kg (3300lb)	1500kg (3300lb)
SKID	Height	2.700mm (8' 10")	2600mm (8' 6")	2500mm (8' 4")
	Length	4500mm (14' 9")	4500mm (14' 9")	4500mm (14' 9")
	Width	1800mm (6' 3")	1950mm (6' 5")	1950mm (6' 5")
	Weight (Gross)	1600kg (3520lb)	1600kg (3520lb)	1800kg (3970lb)
	Mast Height	3.5m	9.0m	9.0m
	Fuel	Diesel	Diesel	Diesel
	Fuel Capacity	130L	130L	130L
	Fuel Tank	Plastic	Plastic	Plastic
	Engine Models available	Perkins 403D-11 50Hz Perkins 403D-11 60Hz	Perkins 403D-11 50Hz Perkins 403D-11 60Hz	Perkins 403D-11 50Hz Perkins 403D-11 60Hz
	No. Engine Cylinders	3	3	3
	Engine Aspiration	Naturally aspirated	Naturally aspirated	Naturally aspirated
	Alternator	4 pole, single bearing	4 pole, single bearing	4 pole, single bearing
	Type of Lights	1500W metal halide	1500W metal halide	1500W metal halide
	Number of Lights	3	3	4
	Light Tilt	Manual	Hydraulic	Hydraulic
	Mast Rotation	Manual	Manual	Manual
	Mast Raise/Extension	3.5m	9m	9m
Tire and Rim Size	205R16 16" 215/75 15" US	205R16 16" 215/75 15" US	205R16 16" 215/75 15" US	
Stabilisers Support	4 x drop down	4 x wind down	4 x wind down	
Tow Hitch	50mm ball (2000kg)	50mm ball (2000kg)	50mm ball (2000kg)	
		 3 Lamp Wattage 1500w	 3 Lamp Wattage 1500w	 4 Lamp Wattage 1500w
		 Single Axle	 Single Axle	 Single Axle

## OPTIONS

- Hydraulic Mast Rotation (MS9k, MS10k & MS12k series only)
- Hydraulic Leg Kit (MS4.5K-9, MS6K-9, MS7.5K-9)
- Hydraulic Light Bar Rotation
- Power Outlets
- Timer Shutdown
- CAT Battery upgrade
- CAT Jumpstart
- Sodium Vapor Lamps
- Power Outlets
- Coal Mining Wiring Specifications
- Fast Fill/Evac Systems for all Fluids
- Fire Extinguisher 4.5-9kg
- Engine upgrade to Perkins 403D-15 available for MS4.5K-9 and MS6K-9
- Ring Hitch 75mm (3500kg)
- Spare Wheel Carrier
- Wheel Chocks 1400




## MS7.5K-9

## MS10K-9

## MS9K-10

## MS12K-10

2600mm (8' 6")	2600mm (8' 6")	2300mm (9' 2")	2800mm (9' 2")
5200mm (17' 1")	5200mm (17' 1")	5700mm (18' 8")	5700mm (18' 8")
2100mm (6' 11")	2100mm (6' 11")	2250mm (7' 5")	2250mm (7' 5")
1600kg (3530lb)	1900kg (4180lb)	2500kg (5500lb)	2550kg (5620lb)
2600mm (8' 6")	2600mm (8' 6")	2500mm (8' 2")	2500mm (8' 2")
4500mm (14' 9")	4500mm (14' 9")	5600mm (18' 4")	5600mm (18' 4")
1950mm (6' 5")	1950mm (6' 5")	2250mm (7' 5")	2250mm (7' 5")
1800kg (3970lb)	-	3000kg (6620lb)	3000kg (6620lb)
9.0m (29' 6")	9.0m (29' 6")	10.0m (32' 9")	10.0m (32' 9")
Diesel	Diesel	Diesel	Diesel
130L (34 US Gallons)	130L (34 US Gallons)	200L (52 US Gallons)	200L (52 US Gallons)
Plastic	Plastic	Steel	Steel
Perkins 403D-15 50Hz Perkins 403D-11 60Hz	Perkins 404D-22 50Hz Perkins 403D-15 60Hz	Perkins 404D-22 50Hz Perkins 403D-15 60Hz	Perkins 404D-22 50Hz Perkins 404D-22 60Hz
3	4	4	4
Naturally aspirated	Naturally aspirated	Naturally aspirated	Naturally aspirated
4 pole, single bearing, brushless	4 pole, single bearing, brushless	4 pole, single bearing, brushless	4 pole, single bearing, brushless
1500W metal halide	2000W metal halide	1500W metal halide	2000W metal halide
5	5	6	6
Hydraulic	Hydraulic	Hydraulic	Hydraulic
Manual	Manual	Manual	Manual
9.0m (29' 6")	9.0m (29' 6")	10.0m (32' 9")	10.0m (32' 9")
205R16 16" 215/75 15" US	205R16 16" 215/75 15" US	205R16 16" 215/75 15" US	205R16 16" 215/75 15" US
2 x wind down / 2 x drop down	4 x wind down	4 x hydraulic	4 x hydraulic
50mm ball (2000kg)	50mm ball (2000kg)	75mm ring (3500kg)	75mm ring (3500kg)
5 Lamp Wattage 1500w 	5 Lamp Wattage 2000w 	6 Lamp Wattage 1500w 	6 Lamp Wattage 2000w 
Single Axle 	Single Axle 	Dual Axle 	Dual Axle 

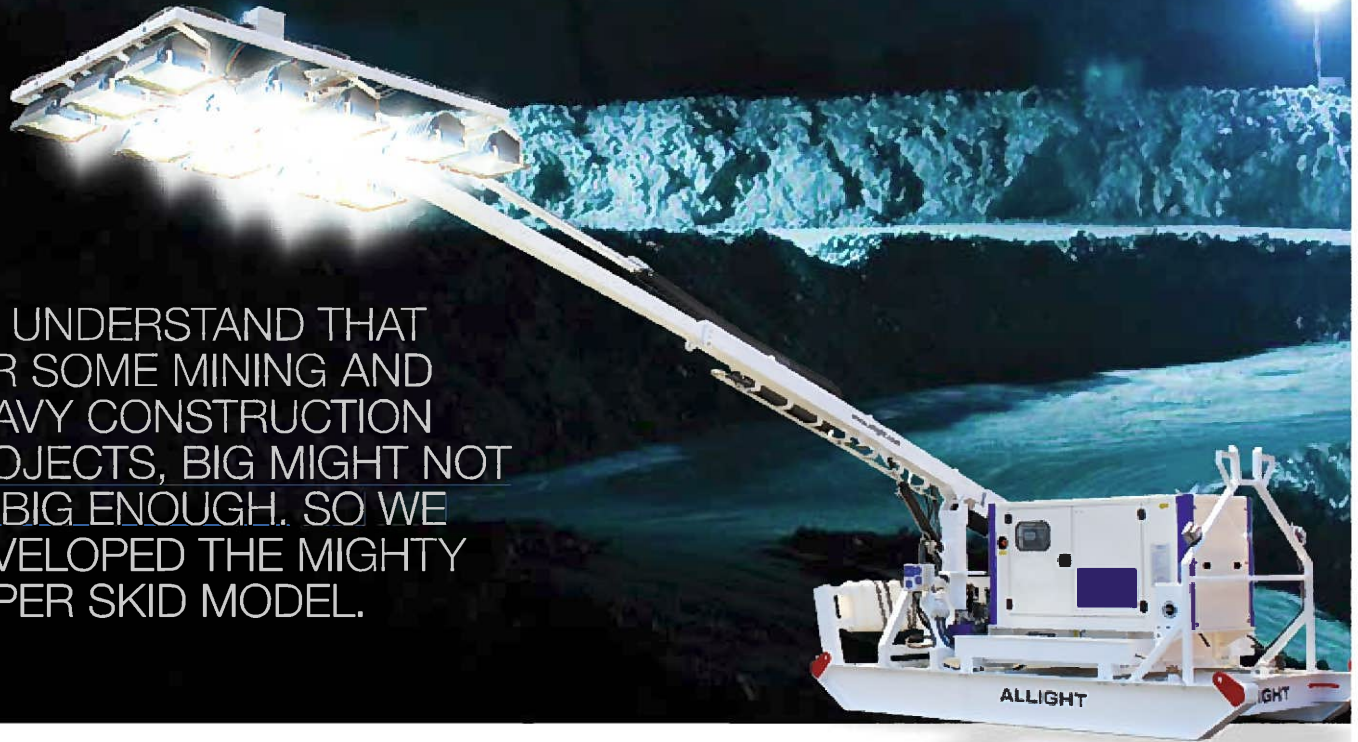
## STANDARDS COMPLIANCE

- AS 3000 Electrical Wiring Rules
- AS 2790 Transportable Generator Sets to 25 kVA
- AS 3010.1 Supply by generator set
- AS 3713 Noise Level Emissions
- AS 1170.2 Wind Loading Criteria
- Mines Safety and Inspection Regulations 1995

**Mine**[Spec]  
Series 

# When size matters.

WE UNDERSTAND THAT FOR SOME MINING AND HEAVY CONSTRUCTION PROJECTS, BIG MIGHT NOT BE BIG ENOUGH. SO WE DEVELOPED THE MIGHTY SUPER SKID MODEL.



SS15K-12

SS18K-12

	SS15K-12	SS18K-12
<b>Base</b>	Skid	Skid
<b>Height</b>	3380mm (11'1")	3380mm (11'1")
<b>Length</b>	7060mm (23'2")	7060mm (23'2")
<b>Width</b>	2330mm (7'8")	2330mm (7'8")
<b>Weight (Wet)</b>	8000kg (17637lb)	8000kg (17637lb)
<b>Mast Height Fully Extended</b>	12.0m	12.0m
Capacity	161L (42.5 US Gallons)	161L (42.5 US Gallons)
Generator	P33-2-CAE	P33-2-CAE
Output Rating at 50Hz (0.8 Power Factor)	30kVA / 24kW	30kVA / 24kW
Output Rating at 60Hz (0.8 Power Factor)	33.8kVA / 27kW	33.8kVA / 27kW
Engine	Perkins 1103C-33TG2/3	Perkins 1103C-33TG2/3
Alternator	LL1014S	LL1014S
Volts	240/415	240/415
Hz	50 or 60	50 or 60
Type of Lights	1.0 kW Sodium Vapour	1.5kW Metal Halide
Total Light Output	15kW	18kW
Light Tilt	Hydraulic	Hydraulic
Mast Rotation	Hydraulic Slew	Hydraulic Slew
Mast Raise / Extension	Hydraulic	Hydraulic
Mast High Wall Capacity	10.7m (35')	10.7m (35')

# SUPER SKIDS

Here's what it offers in addition to the standard MineSpec features and benefits:

- Choice of fifteen 1000W high pressure sodium lamps delivering almost 2m lumens of intense yellow tinted light, or twelve 2000W metal halide lamps delivering nearly 2.3m lumens of clear, true-white illumination. You can almost have daylight at midnight
- Heavy duty skid base for unrivalled stability and peace of mind
- 12m mast offering 10.7m highwall overhang capability
- 4 cylinder Perkins engines coupled with heavy duty Leroy Somer brushless alternator. (Other power options are available if necessary)
- Optimised cylinder head configuration for optimum fuel and oil consumption and maximum efficiency

## SS24K12

## ML24K7

Skid	Dual Axle Trailer
3330mm (11'1")	3005mm (9'10")
7060mm (23'2")	6200mm (20'4")
2330mm (7'8")	2300mm (7'7")
8000kg (17637lb)	4000kg (8818lb)
12.0m	7.0m
219L (57.9 US Gallons)	219L (57.9 US Gallons)
P50-2-CAE	P50-2-CAE
45kVA / 36kW	45kVA / 36kW
50kVA / 40kW	50kVA / 40kW
Perkins 1103C-33TG2/3	Perkins 1103C-33TG2/3
LL2014C	LL2014C
240/415	240/415
50 or 60	50 or 60
2kW Metal Halide	1.5kW Metal Halide
24kW	24kW
Hydraulic	Hydraulic
Hydraulic Slew	Manual
Hydraulic	Hydraulic Extension
10.7m (35')	2.75m (9') and 3.15m (10')



SS15K12

15  
Lamp  
Wattage  
1000w



SS18K12

12  
Lamp  
Wattage  
1500w



SS24K12

12  
Lamp  
Wattage  
2000w



ML24K7

6  
Lamp  
Wattage  
1500w

# Reaching new heights.

THE ENTRY LEVEL FIREFLY TOWER HAS BEEN DEVELOPED TO OFFER RELIABLE, LOW MAINTENANCE AND COST-EFFECTIVE LIGHTING FOR METRO PROJECTS – AND IS PERFECT FOR RENTAL FLEETS.

Designed with project safety and the environment in mind, our new FIREFLY tower also comes with a full integral bund to prevent fluid spillage.

Engineered and built in Australia, FIREFLY is easy to transport and can be operated by one person.

350 degrees of mast rotation and the ability to adjust each of its four lamps independently, means maximum flexibility and so big productivity gains.



## STANDARD EQUIPMENT

Height	2230 mm (7'3")
Stacked	2450mm (8')
Length Draw Bar Retracted	2160 mm (7'1")
Length Draw Bar Extended	3000 mm (9'8")
Width	1150 mm (3'8")
Mast Height Fully Extended	8.5m (31'2") Nominal
Max Weight (Wet)	392kg (1967lb)
Fuel	Diesel
Fuel Capacity	90 litres (24 US Gallons)
Engine	Perkins 403D-11
Engine Cylinders	3
Engine Aspiration	Natural
Combustion System	Indirect Injection

Alternator	6.5kW
Volts	240V / 110V / 220V
Hz	50 / 60
Power Outlets	1 x 10A
Type of Lights	Metal Halide
Number of Lights	4 x 1000 watts
Light Tilt	Manual
Mast Rotation	350° Manual operation
Mast Raise / Extension	Hydraulic
Tire and Rim Size	13"
Stabilizers Support	Manual
Tow Hitch	Ball hitch
Brakes	Cable Drum Brakes
Environmental	Full Containment Bund



## AT A GLANCE

- Large access doors for quick and easy service and maintenance
- Radiator cowling specifically designed for optimum air flow
- 4x1000w double-ended damage-resistant metal halide lamps
- Individually switchable lamps for added flexibility
- Full environmental bund
- Retractable towbar
- Up and down mast supplied fully assembled. Manual option
- Low cost of ownership – 500 hour service intervals
- CAT or Perkins powered
- Cheap to move - ten fully assembled towers can be transported on a 40ft flatbed truck, or 16 in a 40ft container with minimal disassembly

4  
Lamp  
Wattage  
1000w

Single  
Axle

