



ALLIGHTSYKES

Mobile Lighting Solutions

Australia & New Zealand

ALLIGHT

LIGHT

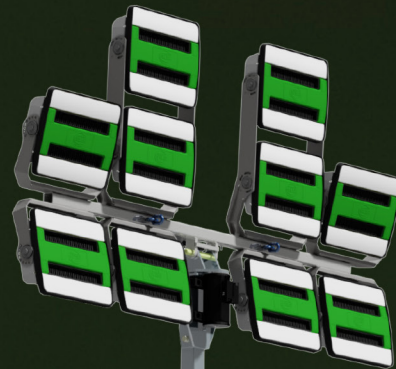
Next Generation LED Lighting

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.

OUR TOUGH MINESPEC LED RANGE KNOWS EXACTLY WHERE IT STANDS.







Out **Front.** Pulling **Away**



AT A GLANCE

- New Perkins Catwater cooled engine
- Extra low voltage (DC). On-site risk elimination.
- elimination of 300W low glare RFLComSafe LED lamps
- 6, 8 or 10 x 240W lamps
- Each LED flood light provides 28,000 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 2 weeks.
- 13-18t annual carbon footprint reduction per tower compared with metal halide equivalent operation each night
- 50,000hrs of life per light
- 18t annual carbon footprint reduction per tower compared with metal halide operation each night
- 500hr service intervals
- Light is instant-on (no warm-up/cool down)

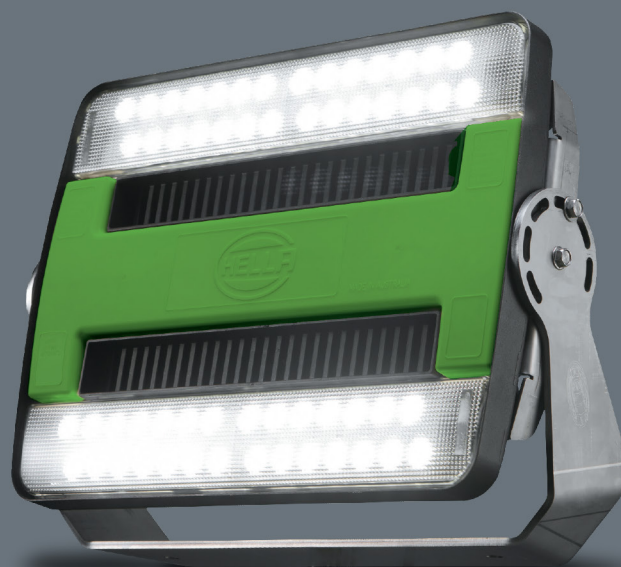


Height	2600 mm (8' 5")	2600 mm (8' 6")	2600 mm (8' 6")
Length	5200 mm (17' 1")	5200 mm (17' 1")	5200 mm (17' 1")
Width	2100 mm (6' 9")	2100 mm (6' 11")	2100 mm (6' 11")
Weight (Wet)	1726kg (3805lb)	1800kg (3968lb)	1830kg (4034lb)
Fuel	Diesel	Diesel	Diesel
Fuel Capacity	130L (34 US Gal)	220L (58 US Gal)	220L (58 US Gal)
Fuel Tanks	Plastic	Plastic	Plastic
Fuel Consumption	0.83L/hr (0.22 US Gal)	1.11L/hr (0.29 US Gal)	1.3L/hr (0.36 US Gal)
Runtime	156hrs	198hrs	169hrs
Engine	Perkins 402D-05G	Perkins 402D-05G	Perkins 402D-05G
No. Engine Cylinders	2	2	2
Engine Aspiration	Naturally aspirated	Naturally aspirated	Naturally aspirated
Alternator	Single bearing, brushless	Single bearing, brushless	Single bearing, brushless
Power Generation	Extra Low Voltage (DC)	Extra Low Voltage (DC)	Extra Low Voltage (DC)
Electrical System	48	48	48
Number of Lights	6	8	10
Type of Lights	300W LEDs	300W LEDs	300W LEDs
Total Light Output	168,000 Lumens	224,000 Lumens	280,000 Lumens
Light Tilt	Hydraulic	Hydraulic	Hydraulic
Mast Rotation	Manual	Manual	Manual
Mast Raise/Extension	9m (29' 6") Hydraulic	9m (29' 6") Hydraulic	9m (29' 6") Hydraulic
Tire and Rim Size	205 R16	205 R16	205 R16
Stabiliser Supports	4 x wind down	4 x wind down	4 x wind down
Tow Hitch	50mm ball (1.9") 2000kg (4409lb)	50mm ball (1.9") 2000kg (4409lb)	50mm ball (1.9") 2000kg (4409lb)
Also Includes	Battery Isolation, Emergency Stop, Auto Start/Stop	Battery Isolation, Emergency Stop, Timer Shutdown	Battery Isolation, Emergency Stop, Timer Shutdown
Photo is for illustration purpose and includes non-standard items. Final weight and dimensions will depend on completed specifications.	Lamp Wattage 300w 	Lamp Wattage 300w 	Lamp Wattage 300w 
All this information in this document is substantially correct at the time of printing and may be altered subsequently.	Single Axle 	Single Axle 	Single Axle 

- Total Control System (easy start/stop, option location tracking and performance monitoring via notepad or smartphone). Complete plug and play system with no hard wired componentry makes for easy part and loom servicing or replacement
- 20 years as leaders in the science of lighting
- Made in Australia
- Lamps powered by HELLA

OPTIONS

- Hydraulic Light Bar Rotation
- Hydraulic Post Rotation
- Hydraulic Stabiliser Legs
- CAT Jumpstart
- Wiggins Fast Fill
- Additional 90L Fuel Tank
- Wheel Chocks
- Heavy Duty Drag Skid
- Twin Axle Trailer
- Coal Mining Wiring Specs
- Fire Extinguisher



Why Retro-Fit & Upgrade?

Let's face it, few technologies are truly transformational - so it's not surprising that the world of mining and construction equipment has been turned on its head with the arrival of LED mobile lighting.

WHY LED?

Here's why:

- Huge fuel savings - less than 1ltr/hour
- Much lower maintenance costs - refuel every three weeks
- Convenient 500 hr service intervals
- No OH&S risk - safe extra low voltage (DC)
- 18t annual carbon footprint reduction compared with metal halide
- Fuss-free plug and play lamps
- Glare-free light output

The business you have today isn't necessarily the one you want tomorrow.

But you know that trying to stay ahead of the latest LED technology curve in this economy, sometimes means putting too much risk before any reward.

It means you can switch to LED even if timing and funding don't allow you to dispose of your traditional metal halide units and start from scratch again.

If you can't afford to adopt LED, at least let us help you adapt to it.

- Four Retro-Fit & Upgrade options to suit every budget and timescale
- Can be funded from R&M rather than Capex budget
- Perkins engines
- 5-10 years asset life extension
- Incorporate latest Total Control technology for remote monitoring

RETRO-FIT MS6K9

This table presents the lux envelope at the furthestmost point in front and the width (left to right) of that envelope.

A final summary table allows comparisons per square metre to be made.

Model	Type of Light	Distance	Lux amount 1.2m above the ground						
			100 LUX	50 LUX	30 LUX	20 LUX	10 LUX	5 LUX	1 LUX
MS6K-9	MS6K-9 4 x 1.5Kw Metal Halide Lumens / Lamp: 145000	In front (m)	65	85	100	115	140	175	270
		Width (m)	50	66	80	90	120	166	300
		M ²	2,552	4,406	6,283	8,129	13,194	22,815	63,615
MS9-LED	Hella - 4 x Close, 4 x Long, 240w Lumens / Lamp: 22053	In front (m)	70	110	145	180	265	375	750
		Width (m)	30	42	52	68	80	120	250
		M ²	1,649	3,628	5,922	9,613	16,650	35,342	147,258

Model	Total Lumens	Measurement	100 LUX	50 LUX	30 LUX	20 LUX	10 LUX	5 LUX	1 LUX
MS6k-9	580,000	M ²	2,552	4,406	6,283	8,129	13,194	22,815	63,615
MS9-LED	176,424	M ²	1,649	3,628	5,922	9,613	16,650	35,342	147,258



LAMPS POWERED BY HELLA

RETRO-FIT & UPGRADE OPTIONS

Complete Chassis Strip & Repaint

New Engine (Perkins 403D-07)

New Alternator

Total Control Panel

8 x 240W HELLA LED Lights

ELV (Extra Low Voltage) Throughout

Trailer Overhaul

Replacement of ancillary
components as required

12 Month Warranty




6 Month Warranty

Full Inspection

Basic Inspection

240v to ELV volt conversion

Existing Control Panel

				
Complete Chassis Strip & Repaint	•		•	
New Engine (Perkins 403D-07)	•	•		
New Alternator	•	•		
Total Control Panel	•	•		
8 x 240W HELLA LED Lights	•	•	•	•
ELV (Extra Low Voltage) Throughout	•	•		
Trailer Overhaul	•	•		
Replacement of ancillary components as required	•	•		
12 Month Warranty	•	•		
6 Month Warranty			•	•
Full Inspection	•	•		
Basic Inspection			•	•
240v to ELV volt conversion			•	•
Existing Control Panel			•	•

Reliable, strong, and tough as all hell:

THOUGH OUR GROUND-BREAKING LED TECHNOLOGY IS SET TO TRANSFORM MINING PROJECTS AROUND THE WORLD, WE UNDERSTAND THAT SOME PROJECTS STILL NEED TO RELY ON METAL HALIDE LIGHT.

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.



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

Mine[Spec] Series


TRAILER
SKID

MS6K-9

MS10K-9

MS12K-10

Height	2500mm (8' 4")	2600mm (8' 6")	2800mm (9' 2")
Length	5200mm (17' 1")	5200mm (17' 1")	5700mm (18' 8")
Width	2100mm (6' 11")	2100mm (6' 11")	2250mm (7' 5")
Weight (Gross)	1500kg (3300lb)	1900kg (4180lb)	2550kg (5620lb)
Height	2500mm (8' 4")	2600mm (8' 6")	2500mm (8' 2")
Length	4500mm (14' 9")	4500mm (14' 9")	5600mm (18' 4")
Width	1950mm (6' 5")	1950mm (6' 5")	2250mm (7' 5")
Weight (Gross)	1800kg (3970lb)	1980kgs (4365lb)	3000kg (6620lb)
Mast Height	9.0m (29' 6")	9.0m (29' 6")	10.0m (32' 9")
Fuel	Diesel	Diesel	Diesel
Fuel Capacity	130L (34 US Gallons)	130L (34 US Gallons)	200L (52 US Gallons)
Fuel Tank	Polyurethane	Polyurethane	Steel
Engine Models available	Perkins 403D-11 50Hz	Perkins 404D-22 50Hz	Perkins 404D-22 50Hz
No. Engine Cylinders	3	4	4
Engine Aspiration	Naturally aspirated	Naturally aspirated	Naturally aspirated
Alternator	4 pole, single bearing	4 pole, single bearing, brushless	4 pole, single bearing, brushless
Type of Lights	1500W metal halide	2000W metal halide	2000W metal halide
Number of Lights	4	5	6
Light Tilt	Hydraulic	Hydraulic	Hydraulic
Mast Rotation	Manual	Manual	Manual
Mast Raise/Extension	9m (29' 6")	9.0m (29' 6")	10.0m (32' 9")
Tire and Rim Size	205R16 16" 215/75 15" US	205R16 16" 215/75 15" 215/75 15" US	215/75 15" US 215/75 15" US
Stabilisers Support	4 x wind down	4 x wind down	4 x hydraulic
Tow Hitch	50mm ball (2000kg)	50mm ball (2000kg)	75mm ring (3500kg)

4 
Lamp
Wattage
1500w

5 
Lamp
Wattage
2000w

6 
Lamp
Wattage
2000w

Single
Axle 

Single
Axle 

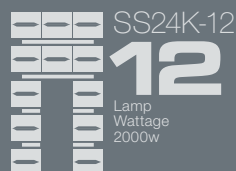
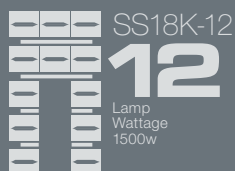
Dual
Axle 

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.

OUR SUPERSKID METAL HALIDE TOWERS ARE AVAILABLE IN FOUR CONFIGURATIONS INCLUDING:



HERE'S HOW THE MOST POPULAR SS24K-12 SHAPES UP:

Base

Height

Length

Width

Weight (Wet)

Mast Height Fully Extended

Capacity

Generator

Output Rating at 50Hz (0.8 Power Factor)

Output Rating at 60Hz (0.8 Power Factor)

Engine

Volts

Hz

Type of Lights

Total Light Output

Light Tilt

Mast Rotation

Mast Raise / Extension

Mast High Wall Capacity

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

SS24K-12

Skid

3380mm (11'1")

7060mm (23'2")

2330mm (7'8")

8000kg (17637lb)

12.0m

219L (57.9 US Gallons)

P50-2-CAE

45kVA / 36kW

50kVA / 40kW

Perkins 1103C-33TG2/3

240/415

50 or 60

2kW Metal Halide

24kW

Hydraulic

Hydraulic Slew

Hydraulic

10.7m (35')



ALLIGHTSYKES

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MANUKAU CITY, AUCKLAND

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HORNBY, CHRISTCHURCH



LIGHT



PUMPS



POWER



SUPPORT

www.ALLIGHTSYKES.com