



MOBILE LIGHTING SOLUTIONS

allightsykes.com

ALLIGHTSYKES

Unrivalled expertise

in the fields of:



▶ **LIGHT TOWERS**



▶ **PUMPS**



▶ **ENGINES**



▶ **GENERATORS**



Global reach with local expertise.

AllightSykes is a market leader in the design, manufacturing and distribution of lighting, dewatering and power solutions globally, and the driving force behind FG Wilson generators and Perkins engines in Australia and New Zealand. With an active history stretching back 30 years as a well-known brand, we pride ourselves on providing robust, reliable machinery for demanding conditions, with built-in features that make ownership and operation simple and cost-effective for customers.

Helping you to get the job done.

With every product supported by our dedicated, highly-trained Service teams, we've proven to optimise productivity, slash project downtime and improve workplace safety.

World leaders in mobile lighting solutions.

From our worldwide headquarters in Perth, Western Australia, design, engineering, procurement and assembly teams produce almost 1,000 lighting towers a year. Each tower features the world's most reliable components, as well as a unique mast design and light assembly that ensures the maximum output reaches your work platform for optimum productivity. The LED lighting technology further enhances the range of solutions on offer with a low power consumption, which reduces operating and maintenance costs for our customers.

Reliable product support.

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.

Looking for a tailored solution?

Our in-house engineering team can custom-design and manufacture bespoke equipment to match any specification supplied. Discover out how AllightSykes can offer you a tailored solution by visiting allightsykes.com.

MEET THE FAMILY LIGHTING SOLUTIONS



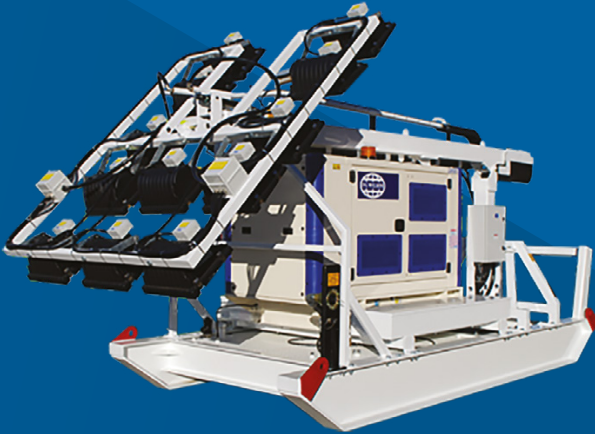
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LUMINAIRES

Our range of heavy-duty, multi-purpose LED panel lights are designed for floodlighting and spotlighting applications for our lighting towers.



KUE2

- Made from high quality aluminium.
- Fully serviceable, high UV resistance with low maintenance costs.
- Incorporated with the latest generation of 105-115 LM/W CITIZEN Chip.



KUE4

- Made from high quality aluminium.
- Fully serviceable, high UV resistance with low maintenance costs.



Hella HypaLUME

- A colour temperature of 5,700K to provide a work environment that is the optimal balance between high alertness and fatigue avoidance.
- Light output of over 28,000 lumens.
- Contains pulsed electronic circuits (PWM), which prevent harmful interferences with other devices and, as such, does not become susceptible to radiation from other devices.



ALLUME

- Designed for mining and industrial applications with a rating of IP67.
- Light output of 63,000 lumens.
- Available in two different lens configurations: wide beam for floodlight applications, and narrow beam for long range and spotlight applications.

	V	T	W	Lumen	Material	Light	IP	Working Temperature	Dimensions	Weight
KUE2	24/48DC	5,000K	350	35,000	Aluminium Alloy	Citizen	IP67	-40°C +45°C	406 x 390 x 258mm (16 x 15.4 x 10.2")	11.5kg (25.35lb)
KUE4	24/48DC	5,000K	500	50,000	Aluminium Alloy	Citizen	IP67	-40°C +45°C	526 x 390 x 258mm (20.7 x 15.4 x 10.2")	15.3kg (33.73lb)
Hella HypaLUME	48	5,700K	300	28,000	Aluminium	Cree	IP67	-20°C +50°C	516 x 404 x 159mm (20.3 x 15.9 x 6.3")	12kg (26.46lb)
ALLUME	48	5,000K	450	60,000	Aluminium	Citizen	IP67	-40°C +50°C	536 x 390 x 231mm (21.1 x 15.4 x 9.1")	15kg (33lb)





Our LED lights are an efficient, low maintenance and long life mobile lighting solution for mining, construction and infrastructure.

URBAN RANGE

Designed for the rigours of urban and metropolitan projects.

With safety at their core, MLLED light towers are built to enhance your workers' productivity in outdoor working environments, in lighting up metro, civil and constructions projects.

AT A GLANCE

- Mast will automatically retract if the lighting tower is not levelled, or if the handbrake is not activated.
- Mast will automatically retract when the handbrake is released.
- Speaking alarm reminds the operator to "deploy stabilisers", "check level" and "check handbrake".
- Compact water-cooled industrial engine.
- Extra low voltage (DC).
- Two LED lamp output options: **(1)** 4 x 350W (36,000 lumens), or **(2)** 4 x 500W (50,000 lumens).
- 50,000 hours of life per light.
- Light instant-on (no warm-up/cool down).
- Engine fail-safe shutdown system with latched LED annunciation on **(1)** high engine temperature, **(2)** low oil pressure, and **(3)** low coolant levels.
- Quiet, compact, two-cylinder diesel engine with a high attenuation canopy and muffler system.
- Hydraulic light rotation and tilt.
- Heavy duty fabrication.



ADDITIONAL OPTIONS

- DAYLIGHT shutdown system
- External jump start
- 4.5kg dry chemical fire extinguisher

LAMP WATTAGE RANGE

- 350W to 500W





	MLLED140K-9DCK	MLLED200K-9ACK	MLLED200K-9ACP
Height	2.56m (8' 5")	2.56m (8' 5")	2.56m (8' 5")
Length	2.44m (8')	2.44m (8')	2.44m (8')
Width	1.52m (4' 12")	1.52m (4' 12")	1.52m (4' 12")
Weight (Wet)	1,200kg (2,645.5lb)	1,200kg (2,645.5lb)	1,200kg (2,645.5lb)
Fuel	Diesel	Diesel	Diesel
Fuel Capacity	100L (26.4 USgal)	100L (26.4 USgal)	100L (26.4 USgal)
Fuel Tank	LLPDE	LLPDE	LLPDE
Fuel Consumption	0.6L/hr (0.16 USgal/hr)	0.71L/hr (0.19 USgal/hr)	0.71L/hr (0.19 USgal/hr)
Engine	Kubota Z482	Kubota D905	Perkins 403-11
No. Engine Cylinders	3	3	3
Engine Aspiration	Water cooled	Water cooled	Water cooled
Alternator	Sincro FB4	Mecc Alte LT3	Mecc Alte LT3
Power Generation	4kW	5kW	5kW
Sound Pressure Level	65 dB[A] approx. 7 metres	65 dB[A] approx. 7 metres	65 dB[A] approx. 7 metres
Number of Lights	4	4	4
Type of Lights	350W LED	500W LED	500W LED
Mast Height	9m (29' 6")	8m (26' 3")	8m (26' 3")
Light Tilt	Electric	Electric	Electric
Mast Rotation	360° manual	360° manual	360° manual
Tire and Rim Size	R14 - 175	R14 - 175	R14 - 175
Stabiliser Supports	4 wind down legs	4 wind down legs	4 wind down legs
Tow Hitch Dimensions	50mm ball (1.9")	50mm ball (1.9")	50mm ball (1.9")
Tow Hitch Capacity	2,000kg (4,409lb)	2,000kg (4,409lb)	2,000kg (4,409lb)
Also Includes	Fully bunded chassis, emergency stop, auto shutdown, on/off timer	Fully bunded chassis, emergency stop, auto shutdown, on/off timer	Fully bunded chassis, emergency stop, auto shutdown, on/off timer
Additional Safety	Handbrake switch: (1) Mast auto down when released, (2) no mast raise when handbrake off. Level switch: (1) Mast auto down when not levelled, (2) mast will not raise until levelled. Audible features: (1) Audible speaking alarm, (2) check handbrake switch, (3) deploy stabilisers.		

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MINESPEC LED RANGE

Our MineSpec LED range is tough and smart.

Proudly Australian made, the MineSpec LED range features a Total Control System, which includes an easy start/stop, option location tracking and performance monitoring. Its LED lighting technology offers exceptional light quality with low power consumption, which reduces operation and maintenance costs for you.

AT A GLANCE

- Perkins water-cooled engine
- Extra low voltage (DC).
- Two LED lamp output options: a combination of **(1)** 300W (28,000 lumens), or **(2)** 450W (63,000 lumens).
- Refuelling every 2 weeks.
- 13-18 tonne annual carbon footprint reduction per tower (compared with a metal halide equivalent).
- 50,000 hours of life per light.
- 500-hour service intervals with Perkins engines.
- Light Instant-on (no warm-up/cool down).

ADDITIONAL OPTIONS

- Hydraulic light bar rotation
- Hydraulic post rotation
- Hydraulic stabiliser legs
- CAT/Anderson jumpstart
- Wiggins fast fill
- Wheel chocks
- Heavy duty drag skid
- Tandem axles trailer
- Coal mining wiring specs
- Fire extinguisher

LAMP WATTAGE RANGE

- 300W or 450W





	MSLED168K-9 (Single Axle)	MSLED201K-9 (Single Axle)	MSLED224K-9 (Single Axle)	MSLED240K-9 (Single Axle)	MSLED280K-9 (Single Axle)	MSLED360K-9 (Single Axle)	MSLED480K-9 (Single Axle)
Height	2.49m (8' 2")	2.49m (8' 2")	2.49m (8' 2")	2.49m (8' 2")	2.49m (8' 2")	2.49m (8' 2")	2.49m (8' 2")
Length	4.71m (15' 5")	4.71m (15' 5")	4.71m (15' 5")	4.71m (15' 5")	4.71m (15' 5")	4.71m (15' 5")	4.71m (15' 5")
Width	2.08m (6' 10")	2.08m (6' 10")	2.08m (6' 10")	2.08m (6' 10")	2.08m (6' 10")	2.08m (6' 10")	2.08m (6' 10")
Weight (Wet)	1,630kg (3,594lb)	1,630kg (3,594lb)	1,630kg (3,594lb)	1,830kg (4,034lb)	1,830kg (4,034lb)	1,830kg (4,034lb)	1,830kg (4,034lb)
Fuel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel Capacity	300L (79 USgal)	300L (79 USgal)	300L (79 USgal)	300L (79 USgal)	300L (79 USgal)	300L (79 USgal)	300L (79 USgal)
Fuel Tank	LLPDE	LLPDE	LLPDE	LLPDE	LLPDE	LLPDE	LLPDE
Fuel Consumption	0.85L/hr (0.22 USgal/hr)	1.13L/hr (0.30 USgal/hr)	1.13L/hr (0.30 USgal/hr)	0.85L/hr (0.22 USgal/hr)	1.42L/hr (0.38 USgal/hr)	1.27L/hr (0.34 USgal/hr)	1.7L/hr (0.45 USgal/hr)
Engine	Perkins 402D-05	Perkins 403D-07	Perkins 402D-05	Perkins 402D-05	Perkins 402D-05	Perkins 402D-05	Perkins 403D-07
No. Engine Cylinders	2	3	2	2	2	2	3
Engine Aspiration	Naturally aspirated	Naturally aspirated	Naturally aspirated	Naturally aspirated	Naturally aspirated	Naturally aspirated	Naturally aspirated
Alternator	Single bearing, brushless	Single bearing, brushless	Single bearing, brushless	Single bearing, brushless	Single bearing, brushless	Single bearing, brushless	Single bearing, brushless
Power Generation	Extra low voltage (DC)	Extra low voltage (DC)	Extra low voltage (DC)	Extra low voltage (DC)	Extra low voltage (DC)	Extra low voltage (DC)	Extra low voltage (DC)
Electrical System	48	240	48	48	48	48	48
Number of Lights	6	4	8	6	10	6	8
Type of Lights	300W LED	500W LED	300W LED	450W LED	300W LED	450W LED	450W LED
Total Light Output	1.8kW	2.0kW	2.4kW	2.7kW	3.0kW	2.7kW	3.6kW
Light Tilt	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Mast Rotation	175° manual	175° manual	175° manual	175° manual	175° manual	175° manual	175° manual
Mast Height	9m (29' 6") hydraulic	9m (29' 6") hydraulic	9m (29' 6") hydraulic	9m (29' 6") hydraulic	9m (29' 6") hydraulic	9m (29' 6") hydraulic	9m (29' 6") hydraulic
Tire and Rim Size	205 R16	205 R16	205 R16	205 R16	205 R16	205 R16	205 R16
Stabiliser Supports	4 wind down legs	4 wind down legs	4 wind down legs	4 wind down legs	4 wind down legs	4 wind down legs	4 wind down legs
Tow Hitch Dimensions	50mm ball (1.9")	50mm ball (1.9")	50mm ball (1.9")	50mm ball (1.9")	50mm ball (1.9")	50mm ball (1.9")	50mm ball (1.9")
Tow Hitch Capacity	2,000kg (4,409lb)	2,000kg (4,409lb)	2,000kg (4,409lb)	2,000kg (4,409lb)	2,000kg (4,409lb)	2,000kg (4,409lb)	2,000kg (4,409lb)
Also Includes	Battery isolation, emergency stop, auto start/stop	Battery isolation, emergency stop, auto start/stop	Battery isolation, emergency stop, auto start/stop	Battery isolation, emergency stop, auto start/stop	Battery isolation, emergency stop, auto start/stop	Battery isolation, emergency stop, auto start/stop	Battery isolation, emergency stop, auto start/stop

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MINESPEC MH RANGE

Tough, robust and tailored for mining.

When you add the MineSpec to your project asset schedule, you know you're including a high level of resilience, durability and efficiency that most other industrial strength towers will struggle to match.

AT A GLANCE

- Individually switchable, double-ended metal halide lamps, engineered specifically for operation in mobile equipment.
- Vibration resistant and long lasting.
- Lamps deliver a clear, true-white light.
- Available also with high-pressure sodium lamps with a powerful yellow light. These are suitable for applications that require environmental sensitivity, and sites with heavy airborne particulates (e.g. coal, dust, or fog).
- Highwall overhang capabilities.
- Heavy duty conduit providing mechanical protection and electrical continuity.
- Up to seven scopes of lighting directional positioning.

ADDITIONAL OPTIONS

- Hydraulic light bar rotation
- Hydraulic post rotation
- Hydraulic stabiliser legs
- CAT/Anderson jumpstart
- Wiggins fast fill
- Wheel chocks
- Heavy duty drag skid
- Tandem axles trailer
- Coal mining wiring specs
- Fire extinguisher

LAMP WATTAGE RANGE

- 1,500W to 2,000W





	MS4.5K-9 (Single Axle)	MS6K-9 (Single Axle)	MS7.5K-9 (Single Axle)	MS10K-9 (Single Axle)
Height	2.49m (8' 2")	2.49m (8' 2")	2.49m (8' 2")	2.49m (8' 2")
Length	4.71m (15' 5")	4.71m (15' 5")	4.71m (15' 5")	4.71m (15' 5")
Width	2.08m (6' 10")	2.08m (6' 10")	2.08m (6' 10")	2.08m (6' 10")
Weight (Wet)	1,250kg (2,756lb)	1,630kg (3,594lb)	1,630kg (3,594lb)	1,980kg (4,365lb)
Fuel	Diesel	Diesel	Diesel	Diesel
Fuel Capacity	130L (34 USgal)	130L (34 USgal)	130L (34 USgal)	130L (34 USgal)
Fuel Tank	Polyurethane	Polyurethane	Steel	Polyurethane
Engine	Perkins 403D-11	Perkins 403D-11	Perkins 403D-15	Perkins 404D-22
No. Engine Cylinders	3	3	3	4
Engine Aspiration	Naturally aspirated	Naturally aspirated	Naturally aspirated	Naturally aspirated
Alternator	4 pole, brushless	4 pole, brushless	4 pole, brushless	4 pole, brushless
Number of Lights	3	4	5	5
Type of Lights	1,500W metal halide	1,500W metal halide	1,500W metal halide	2,000W metal halide
Light Tilt	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Mast Rotation	Manual	Manual	Manual	Manual
Mast Height	9m (29' 6")	9m (29' 6")	9m (29' 6")	9m (29' 6")
Tire and Rim Size	205 R16 (16")	205 R16 (16")	205 R16 (16")	205 R16 (16")
Stabiliser Supports	4 wind down legs	4 wind down legs	4 hydraulic legs	4 wind down legs
Tow Hitch Dimensions	50mm ball (1.9")	50mm ball (1.9")	50mm ball (1.9")	50mm ball (1.9")
Tow Hitch Capacity	2,000kg (4,409lb)	2,000kg (4,409lb)	2,000kg (4,409lb)	2,000kg (4,409lb)

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SUPERSKID RANGE

The mighty SuperSkid.

We understand that, for some mining and heavy construction projects, big may not be big enough. So, we developed the mighty SuperSkids. Robust, durable, heavy duty towers designed to meet to mine specifications, Allight's SuperSkid mobile lighting towers are designed to withstand the most challenging and rigorous mining conditions.

AT A GLANCE

In addition to what a standard MineSpec tower will have, our SuperSkids offer:

- 3 or 4 cylinder Perkins engines coupled with a heavy duty Leroy Somer brushless alternator. (Other power options are available if necessary.)
- Heavy duty skid base for unrivalled stability and peace of mind.
- Optimised cylinder head configuration for optimum fuel and oil consumption and maximum efficiency.

- 12-metre mast offering 10.7 metres of highwall overhang capability.
- A selection of light output options to choose from: **(1)** 15 x 1,000W high-pressure sodium (yellow light), high-intensity discharge lamps, **(2)** 18 x 300W LED lamps, **(3)** 14 x 450W LED lamps **(4)** 12 x 2,000W metal halide (white light), high-intensity discharge lamps.

ADDITIONAL OPTIONS

- 1,000L base fuel tank
- Extra push bar
- Wiggins Pressure Fast Fill system
- Mobile skid base
- Tow behind prime mover

LAMP WATTAGE RANGE

- 300W, 450W, 1,000W or 2,000W





	SS15K-12	SS24K-12	SSLED504K-12	SSLED900K-12
Base	Skid	Skid	Skid	Skid
Height	3.31m (10' 10")	3.31m (10' 10")	3.31m (10' 10")	3.31m (10' 10")
Length	6.69m (21' 11")	6.69m (21' 11")	6.69m (21' 11")	6.69m (21' 11")
Width	2.3m (7' 7")	2.3m (7' 7")	2.3m (7' 7")	2.3m (7' 7")
Weight (Wet)	8,000kg (17,637lb)	8,000kg (17,637lb)	8,000kg (17,637lb)	8,000kg (17,637lb)
Mast Height (Fully Extended)	12.0m (39' 4")	12.0m (39' 4")	12.0m (39' 4")	12.0m (39' 4")
Fuel Capacity	161L (42.3 USgal)	219L (57.9 USgal)	300L (79.25 USgal)	300L (79.25 USgal)
Generator	P33-2-CAE	P50-2-CAE	Allight	Allight
Output Rating at 50Hz (0.8 Power Factor)	45kVA (36kW)	45kVA (36kW)	10kW	10kW
Engine	Perkins 1103	Perkins 1103	Perkins 403D-15	Perkins 403D-15
Volts	240/415	240/415	48	48
Hz	50 or 60	50 or 60	60	60
Type of Lights	2kW metal halide	2kW metal halide	300W LED	450W LED
Total Light Output	15kW	24kW	5.4kW	6.75kW
Number Of Lights	15	12	18	15
Light Tilt	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Mast Rotation	Hydraulic slew	Hydraulic slew	Hydraulic slew	Hydraulic slew
Mast Raise / Extension	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Mast High Wall Capacity	10.7m (35')	10.7m (35')	10.7m (35')	10.7m (35')

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