

LIGHT

# SUPER SKIDS

SS15K-12  
SS18K-12  
SS24K-12



# ALLIGHT

## 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 Skids. Robust, durable, heavy duty towers to Mine specification, Allight's Super Skid Series mobile lighting towers are designed to withstand the most challenging and rigorous mining conditions.

The Skid base allows the towers to be secure and stable in any situation and provides for high wall overhang capabilities.

With fully hydraulic operational controls and powerful light output ranging from 15,000 to 24,000 Watts, the Super Skid towers are designed, engineered and manufactured in Australia to rise and shine in the toughest of environments.

Powering the massive light output is a reliable, heavy-duty FG Wilson generator, mounted on steel base and housed in a lockable enclosure.

- Clean, quiet and efficient Perkins engines coupled with heavy duty Leroy Somer brush-less alternator. (Other power options are available on request)
- Optimised cylinder head configuration for optimum fuel and oil consumption and maximum efficiency
- Cyclone style air cleaner and earth leakage protection
- Residual Current Device (RCD) protection, and RCD main switch installed in generator supply circuit with a test point
- Circuit breaker installed into lighting circuit and all circuit breakers are fitted in IP 56 enclosures

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## Strong Body

- Heavy duty skid base for security, safety, stability and unrivalled peace of mind
- Skid base fabricated from 454 universal beam, with 200mm ground clearance, and 12mm wear plate
- Sandblasted, primed and industrially powder coated
- Long range steel fuel tank available allowing for continuous operation and reduced downtime
- Control Panel for light and mast operation located in easily accessible position to allow operators the manage the lights even when the mast is fully extended
- Fail safe shutdown system, with latched LED annunciation for: - High engine temperature, Low oil pressure, Additional capacity for other external alarms available

## Powerful Illumination

- 15, 18 or 24 kW lights delivering from 1,950,000 to 2,280,000 Lumens – that's super powerful illumination
- Choice of high pressure sodium lamps delivering intense yellow tinted light or metal halide lamps delivering true-white illumination.
- Hydraulic, telescopic 12m mast offering 10.7m of high wall overhang for use in mine pits and inaccessible terrain and safety micro switches



## SUPER SERIES\*

	SS15K-12	SS18K-12	SS24K-12
Base	Skid	Skid	Skid
Height	3380mm (11'1")	3380mm (11'1")	3380mm (11'1")
Length	7060mm (23'2")	7060mm (23'2")	7060mm (23'2")
Width	2330mm (7'8")	2330mm (7'8")	2330mm (7'8")
Weight (Wet)	7200kg (15480lb)	7200kg (15840lb)	8000kg (17637lb)
Mast Height Fully Extended	12.0 m	12.0 m	12.0 m
Fuel	Diesel	Diesel	Diesel
Fuel Capacity	161L (43 US Gallons)	161L (43 US Gallons)	219L (58 US Gallons)
Generator	P33-2	P33-2	P50-2
Output Rating at 50Hz (0.8 Power Factor)	30.0kVA / 24.0kW	30.0kVA / 24.0kW	45.0kVA / 36kW
Engine	Perkins 1103C-33G2/3	Perkins 1103C-33G2/3	Perkins 1103C-33TG2
Cylinders	3	3	3
Alternator	LL1014S	LL1014S	LL2014C
Volts	415	415	415
Hz	50	50	50
Type of Lights	1.0 kW Sodium Vapour	1.5kW Metal Halide	2kW Metal Halide
Number of Lights	15	12	12
Total Light Output	15kW	18kW	24kW
Light Tilt	Hydraulic	Hydraulic	Hydraulic
Mast Rotation	Hydraulic Slew	Hydraulic Slew	Hydraulic Slew
Mast Raise / Extension	Hydraulic	Hydraulic	Hydraulic
Mast High Wall Capacity	10.7m (35')	10.7m (35')	10.7m (35')

## Compliance

- AS 3000 Electrical Wiring Rules
- AS 3010.1 Supply by generator set
- AS 3713 Noise Level Emissions
- AS 1170.2 Wind Loading Criteria Mines Safety and Inspection Regulations 1995
- AS 1172 Wind loads to gusts of 100kmph

## OPTIONAL

- Automated shutdown system
- Low fuel indicator
- Bilalloy 400 wearplates
- 1000L fuel tank
- External jump start
- Fast fill/evac system for all fluids
- Coal mining wiring specifications
- 9kg dry chemical fire extinguisher
- Special builds on request
- 60Hz powerpack and configuration

Final weight and dimensions will depend on completed specifications.

All this information in this document is substantially correct at the time of printing and may be altered subsequently.

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