ALLIGHT

LIGHTING TOWER SPECIFICATION SHEET

MineSpec Gen3 MDG

NOW UP TO 29% MORE LIGHT

EFFECTIVE LIGHT

MINESPEC GEN3 MDG

ECONOMIC LIGHT

50,000 hours of life for every light.

BUILT TOUGH

Built to the highest standards.

SUPER SAFE

Designed with safety at its core.

NOW WITH ALLUME 190 LED TECHNOLOGY

85.5K lm/light | 190 lm/W

UP TO 29% MORE LIGHT

Construction & Civil | Mining & Quarries | Rental | Industrial | Agriculture

ALLIGHT

MINESPEC GEN3 MDG

Allight's MineSpec Gen3 lighting tower, with hydraulic stabilisers and MDG 15 compliance, is designed for the harshest conditions, with each LED floodlight delivering 85,500 effective lumens after stabilisation.

Built in Western Australia. Proven worldwide. The Allight MineSpec Gen3 MDG delivers reliable performance in the toughest mining environments. Invest in equipment you can trust. Invest in Allight.

LIGHTS

Type	Allight LED Third party certified to IES LM79-19
Total output (lm)	342,000
Number of lights	4
Lights power (W)	450
Lights efficacy (lm/W)	190
Lifetime (h)	50,000

MAST

Height (m)	9
Mast extension	Hydraulic
Mast manual rotation (°)	144
Light bar tilt (°)	94
Light bar rotation (°)	355
Light bar tilt and rotation	Hydraulic

ENGINE

Type	Perkins 402-05D naturally aspirated
Speed (rpm)	1800
Fuel consumption (l/hr)	0.85
Running time - per tank (h)	353
Service requirements (hr)	500
Fuel tank size (l)	300
Fuel tank type	LLDPE
Filter	Spin on fuel filter, Perkins dual air filter
Noise levels dB(A)@7m	65

ALTERNATOR / GENERATOR

Type	Sincro FB4-48/100
Voltage (VDC)	48
Maximum power (kWe)	3.9

CONTROLLER AND COMMUNICATION

Engine and light controller	SmartGen ALC708
Functions	Clock, auto start/stop, timer

TRAILER

Axle	Single
Stabilisers	4 x hydraulic
Suspension	Heavy duty 9 leaf steel
Brakes	Cable operated disc brakes
Wheels	Tyre and rim size 205 R16
Tow connection	2t, 50mm tow ball with 4 x Hamlok and 2 x Hooks
Electrical connection	Flat 7 pin connector
Max recommended tow speed (km/h)	80
Wind load rating to AS1170 (km/h)	100

DIMENSIONS AND WEIGHTS (MAXIMUM)

Transport HxWxL (m)	2.49 x 2.08 x 4.71
Wet weight (t)	1.87
Number of units on 40ft trailer	3

INCLUSIONS

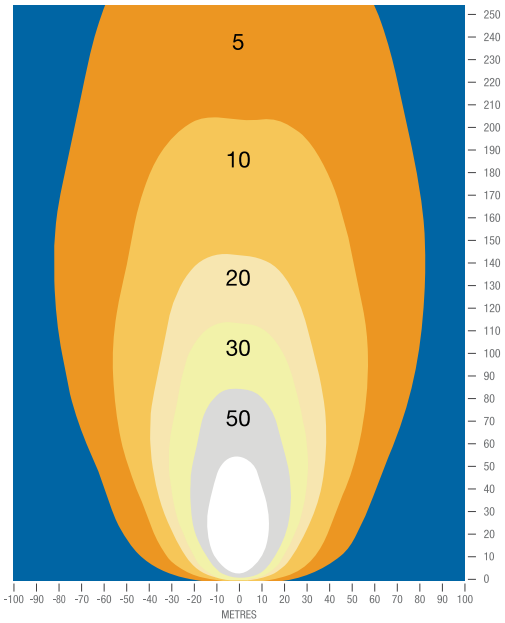
Safe two hand operation	Exhaust blanket
2-pole Bosch starter motor isolator with locksafe actuator (yellow)	2 x wheel chocks
Anderson jump start receptacle	Strap load binder
Emergency stop button	9kg fire extinguisher
Mudguards	Traffolyte pinned labels
Battery box	Rotating beacon for towing/faults
Fuel water separator	100mm black label
Wiggins oil evacuation point	
2-pole Bosch battery isolator with locksafe actuator (red)	
Hydraulic lock - block the raise of the legs when mast is up	

STANDARD OPTIONS

Additional two 450W lights, increasing total light output to 513,000 lumens while maintaining a fuel consumption rate of 1.07 litres per hour.	
Remote Services – Mactrack G70 with web and APP integration. NEXTG GPS location, ON/OFF status (subscription & SIM card required - not included)	
Filter kit	2 x additional wheel chocks
Round 7-pin trailer connector	75mm tow ring
Shackles tow chain connector	

CUSTOM OPTIONS

Allight has nearly 40 years of experience in customising lighting towers to customer specifications. Contact your sales representative for any of the options below or for your specific project needs.	
Upgrade to 8 lights with 684,000 total lumens output	1,000 hour service interval upgrade
Dual axles or skid based	Hydraulic brakes - trailer
Customised componentry	Custom colour finish
Wiggins hydraulic evacuation points	



Final weight and dimensions are dependant on completed specifications and options, subject to manufacturing tolerances. The information in this document is substantially correct at the time of creation and may be altered at the manufacturer's sole discretion. Any quotes and related material provided supersedes the contents hereof.