Heavy Duty Sled Design for Rough Terrain Deployment

MLS3200 MINE SPEC SERIES

SLED MOUNTED LIGHTING TOWER

AUSTRALIAN DESIGNED & ENGINEERED

★ MDG15 ★ MDG41 ★ ELV 24VDC ★ AUSTRALIAN DESIGNED & ENGINEERED ★ 12 MONTH WARRANTY

665,600 lm	208 lm/W	60,000 hrs	11.2 m	10 × 320 W	5,830 kg	277 L	325 hrs
TOTAL LUMENS	LUMENS/WATT	LAMP LIFE	MAST HEIGHT	LED CONFIG	TARE WEIGHT	FUEL CAPACITY	RUNTIME

TECHNICAL SPECIFICATIONS

DIMENSIONAL & PHYSICAL	
DIMENSIONS (W×L×H)	2,500 × 5,800 × 3,200 mm
WEIGHT (TARE)	5,830 kg
SLED BASE	530mm Heavy Wall I Beams
WEAR PACKAGE	20mm BIS80 Wear Packages to Bottom
DECK	6mm Heavy Duty Checker Plate
ACCESS STEPS	MDG15 Compliant, Max 400mm Step height
HANDRAILS	MDG15 Compliant All 4 Sides (Painted Yellow)
REFLECTIVE TAPE	50mm Yellow Sides, Red Front/Rear
TOW CHAIN	16mm Twin leg with Large Tow Ring
WIND RATING	100 km/h
PAINT PROCESS	3-Stage, E-coated & Baked 180°C
MATERIAL	Steel skid, Body 316L Stainless Steel
FIRE EXTINGUISHER	2 x 9kg Dry Chemical Powder

ENGINE & FUEL	
ENGINE	Kubota Z482-E, 2 Cylinder, 1650 RPM
ASPIRATION	Natural
TIER	Tier IV — Australian Compliant
FUEL CAPACITY	277 L
FUEL CONSUMPTION	0.85 L/hr
RUNTIME	325 Hours
FILL POINT	2 Inch Cam Lock (Wiggins Optional)
FILTERING	10 Micron on Return Circuit
ENGINE PROTECTION	Twin Filtered Engine Oil, 2 Stage Air Filter
SERVICE INTERVAL	500 hours

ELECTRICAL SYSTEM	
BATTERY	24 VDC
GENERATOR	Brushless, 24 VDC

STANDARDS & COMPLIANCE	
STANDARDS	MDG15, MDG41
WARRANTY	12 months / 1,500 hours

OPTIONS	
WIGGINS QUICK FILL	Optional Fill Point
CUSTOM FINISH	Custom Paint / Branding
GPS MONITORING	Remote Tracking Available
LONG RANGE FUEL TANK	325 L

ELECTRICAL & LIGHTING	
LIGHT TYPE	LED
LED CONFIGURATION	10 × 320 W
INSTALLED WATTAGE	3,200 W
TOTAL LUMENS	665,600 lm
LUMENS PER WATT	208 lm/W
LAMP LIFE	60,000 hours
CONTROLLER	Smartgen ALC700
SYSTEM VOLTAGE	ELV 24 VDC
THERMAL CONTROL	Automatic Thermal Control
COATING	Military/Aero Grade Titanium Based
SOLDERING PROCESS	Military/Aero Grade
PCB	Copper PCB
ELECTRICAL CONTROL	Failsafe Light Switch PCB, Smart Brightness (No PWM)
AUTO START/STOP	Standard
LOW FUEL BEACON	Automatic Email @10%

MAST & STRUCTURE	
MAST TYPE	Hydraulic w/ Safety Valves
MAST HEIGHT	11.2 m
ROTATION	340°
HYDRAULIC MOTOR	2.2 kW, 12 V, Fan Cooled
HYDRAULIC MANIFOLD	12 Volt 4 Station with Test Port
BURST PROTECTION	MDG41 with Burst Sleeve
PIPES	CNC Stainless Bent Pipe
SAFETY VALVES	Double Pilot Check on All Cylinders