



LONGER
LASTING,
CLEANER
LIGHT.

CUBE HYBRID

ECONOMIC LIGHT

50,000 hours of
life for every light.

BUILT TOUGH

Built to the highest
standards.

SUPER SAFE

Designed with safety
at the front of mind.

Allight is the
exclusive
distributor
of Perkins
engines



CUBE HYBRID

Allight's Cube Hybrid is built for low-noise, low-emission night work. Delivering 200,000 lumens from four LEDs, it runs silently on battery for up to 49 hours, or over 1000 hours in hybrid mode. A Perkins diesel engine, 9m hydraulic mast, and smart automated controls make it a durable, set-and-forget solution for long-term environmentally conscious lighting.

You can count on the Allight Cube Hybrid for long-lasting performance. Put your trust in Allight and invest in reliability.

LIGHTS	
Type	Allight LED Third party certified to IES LM79-19
Total output (lm)	200,000
Number of lights	4
Lights power (W)	250
Lights efficacy (lm/W)	200
Lifetime (h)	50,000

MAST	
Height (m)	9
Mast extension	Hydraulic
Mast type	Telescopic
Mast rotation (°)	350
Mast rotation	Electric
Light bar tilt (°)	90
Light bar rotation	Electric

ENGINE	
Type	Perkins 403D-11G naturally aspirated
Speed (rpm)	1500
Fuel consumption (l/hr)	2.6
Running time on per tank (h)	42
Service requirements (hr)	500
Fuel tank size (l)	110
Fuel tank type	Steel
Filter	Spin on fuel filter, Perkins dual air filter
Noise levels dB(A)@7m	65

ALTERNATOR / GENERATOR	
Voltage (VDC)	48
Maximum power (kWe)	7.2

CONTROLLER AND COMMUNICATION	
Engine and light controller	SmartGen HGM7110DC
Functions	Clock, auto start/stop, timer, light output, light dimming
Total running time in auto mode on combined engine and battery (h)	252 @ 100% light output 504 @ 50% light output 1008 @ 25% light output

BASE	
Stabilisers	4 x manual wind down
Lifting rigs	4
Forklift pockets	4
Material of base	Steel
Max wind load to AS1170 (km/h)	100

DIMENSIONS AND WEIGHTS (MAXIMUM)	
Transport HxWxL (m)	2.7 x 1.38 x 1.18
Wet weight (t)	1.2
Number of units on 40ft trailer	18

BATTERY	
Chemistry	LiFePO4
Capacity (Wh)	15.36
Capacity (Ah)	300
Voltage (V)	51.2
Minimum charging time	2 hours from 20% SOC
Maximum duration (100% setting)	12.23 hours to 20% SOC
Maximum duration (25% setting)	49 hours to 20% SOC
Lifetime (cycles @ 80%)	6000
Certification	UN38.3, MSDS, CE

INCLUSIONS	
Safe two hand operation	Exhaust blanket
1 pole starter motor isolator (yellow)	2 pole battery isolater with locksafe actuator (red)
Andersen jump start receptacle	Strap load binder
Emergency stop button	4.5kg fire extinguisher



Final weight and dimensions will depend on completed specifications and options, subject to manufacturing tolerances. All 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.

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