

Atlas Copco



**Your site, your
light**

The HiLight range of light towers

Efficient and reliable lighting for optimal site coverage

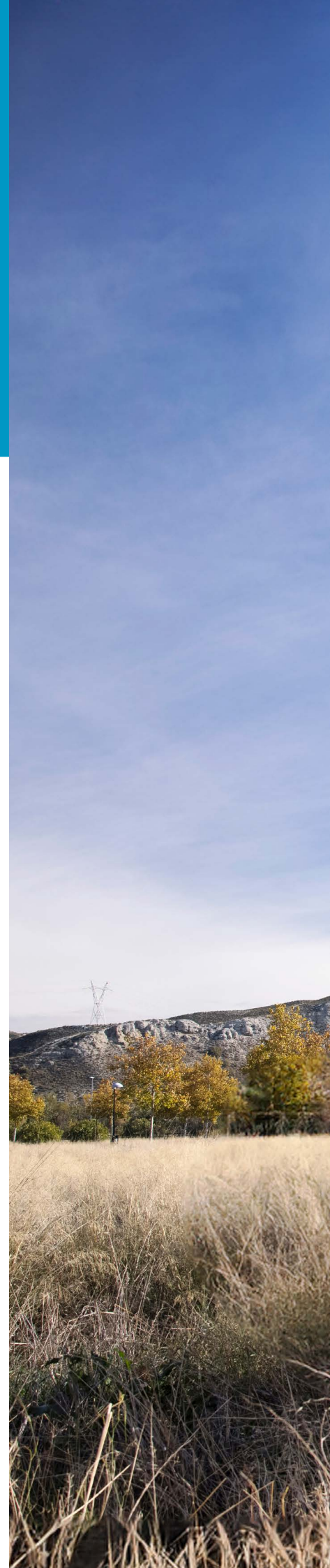
The HiLight range offers you a wide variety of choices, so you can choose the right lighting tower for your application. We supply temporary lighting to a multiple range of industries with a flexible and dynamic approach to operations, addressing efficiency and safety on site. You can also be assured of the robust build quality and compact size for which Atlas Copco is globally recognized.

From LED technology to the new SMD lights, we are leading the way on innovation in lighting solutions. The SMD lenses in our LED light towers are engineered to increase light coverage by 20% compared to traditional COB LED type.

The innovative and fully directional lens design means we maximize the light coverage and reduce “lighting waste”.

A single HiLight can now cover an area of 7.000m² with an average of 20 luxes of brightness — ensuring a brighter, safer and more productive site.

HiLight provides you with a full portfolio of innovative and easy-to-use light towers for an energy saving light coverage that will help you boost your operational productivity while meeting environmental and safety standards.



A solar-powered lighting system is shown in a field of tall, dry grass. The system consists of a trailer with two large solar panels mounted on it. A tall, silver pole rises from the trailer, supporting a cluster of four rectangular light fixtures at the top. A coiled black cable runs down the pole. In the background, there are hills, a construction site with a crane, and a building under construction. The sky is blue with some light clouds.

Building a brighter future with solar energy

The MS 4 and MS 5 use solar radiation as an energy source, meeting noise and emission norms in construction projects, mining, oil and gas, and event sites.



HiLight MS 4 and HiLight MS 5

Building a new era of lighting with solar energy

The MS 4 and MS 5 are the second generation of solar-powered HiLight series of light towers. They deliver efficient, **high performance light**, giving workers good visibility, while allowing sites to increase their level of sustainable operations by complying with the strictest emission and noise regulations.

New

HiLight
MS 4



HiLight
MS 5



HIGH LUMEN
3X150W



MS 4
4 HOURS
TO RECHARGE THE BATTERY
BY SOLAR PANEL



MS 4
LIGHT COVERAGE
3,846 m²

SMD
FLOODLIGHTS



SELF-
AUTONOMOUS



UP TO
8 TON
CO₂ REDUCTION*

LEGENDARY
HARDHAT
CANOPY



MINIMUM
MAINTENANCE TIME
AND COSTS



ZERO
NOISE
EMISSIONS
FUEL CONSUMPTION

1 SHIFT OF LIGHT
FREE
CO₂ EMISSIONS



LIFE SPAN
50.000
Hrs



REDUCED
TOTAL
COST OF
OWNERSHIP

HIGH LUMEN
4X150W



MS 5
5 HOURS
TO RECHARGE THE BATTERY
BY SOLAR PANEL



MS 5
LIGHT COVERAGE
5,278 m²

*Per year and unit

* When the light tower is operating



Light coverage

The HiLight MS 4 delivers 3.846 m² of light coverage while the HiLight MS 5 offers 5.278 m² of light coverage @20 lux avg.

Connectivity

The MS 4 and MS 5 solar light towers feature an external control panel. With a dedicated control cubicle, there is easy access to the user friendly ECO Light controller and ECO mode to ensure higher performance and efficiency.

Easy setup and transportability

Both the solar light towers are portable and easy to transport and their solar panels are easy to set up. These HiLights are smaller in size due to the unique solar panel design.

Reliability and recharging capacity

As the solar panels are placed in parallel, the light towers take a lower time to recharge with upto 2h 36mins recharging time with full sunshine. Batteries can be recharged with an external power source in just 5h, as optional.

Autonomy efficiency

The solar light tower provides autonomous operation, with upto 85h of autonomy with dimming function which increases efficiency. The efficient lithium batteries and solar panels deliver minimum 11h of autonomy while recharging time is shortened.

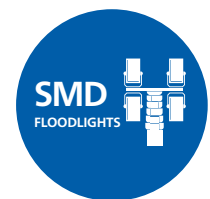
CO₂ footprint reduction

Reliable light source independent from fuel provisioning with no fuel consumption.



SMD light technology

The new Surface Mounted Device lights provide brighter coverage due to the unique SMD high lumen LEDs mounted on the new solar light towers. The advanced SMD lights display high lumen LED light at 87.750 lm for the MS 4 and 117.000 lm for the MS 5.



Applications

This light tower offers a robust alternative for end users and rental companies operating in construction projects, mining, oil and gas and event sites. Since the unit works at temperatures from -20°C to +50°C and can operate reliably at high altitude without derating, it is also ideal for remote work sites.





HiLight BI+ 4

Where autonomy meets efficiency

The innovative light tower incorporates state-of-the-art surface mounted device (SMD) LED lighting technology and lithium-ion batteries to provide excellent performance and efficiency. It will enable you to reduce the carbon footprint and operating costs while improving sustainability in operations and on site.

Combining the use of lithium-ion batteries with a low-consumption Stage V diesel engine, the new HiLight BI+ 4 light tower offers users maximum flexibility as it has four operating modes. When running solely on the batteries, it provides you with up to 19 hours of silent and emission-free operations. And, in hybrid mode, it offers the lowest average fuel consumption in its class with 0,29l/h. Thanks to the incorporation of a battery, you can reduce up to seven tonnes of CO₂ per unit, per year.

With a 60% reduction in engine runtime, service intervals are three times longer than light towers that run solely on diesel. The HiLight BI+ 4 requires minimal maintenance every 1.500 hours of lighting, so users can save on costs associated with servicing.

The HiLight BI+ 4 has four floodlights providing 150W power to reliably cover 4.000m². With a fully hydraulic mast lifting and electric mast rotation, it is 15% lighter than any other hybrid light tower and you can fit up to 22 units on a standard 13-metre Eurotruck.

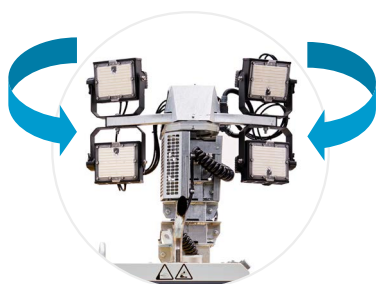




SMD LED
floodlights



The **HiLight BI+ 4** offers maximum flexibility with four operating modes: it can be powered directly from mains electricity, from its lithium-ion batteries, from its diesel engine, or from a hybrid setting to make the most of the energy available.



Electric mast rotation



Four different operational modes



UP TO
7 TON CO₂ REDUCTION*

UP TO
19 HOURS
OF BATTERY
AUTONOMY

*Per year and unit

INCREASED
PERFORMANCE
UP TO **40%***

SERVICE
INTERVAL*
1500
HOURS

*vs LED diesel light towers

*1500 hours of lighting

ELECTRIC MAST
ROTATION AND
HYDRAULIC
LIFTING MAST

SMD
FLOODLIGHTS

Atlas Copco

www.atlascopco.com/light-towers

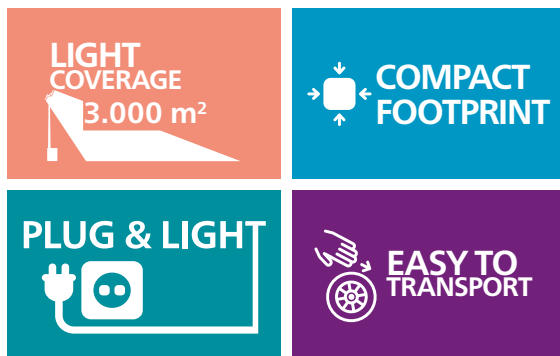


HiLight PS 3

Battery-based

The new HiLight PS 3 offers 3.000 square meters of light coverage with an average of 20 luxes of intensity. It features four 120-watts SMD LED floodlights with a lifespan of 50.000 hours. **Designed to be powered by a ZBP 2000 energy storage system, it comes with two 200-watts foldable solar panels and it can also be fed by an external power source.**

With a compact design for improved transport efficiency, the HiLight PS 3 is light and built to last. It stands winds of up to 50 km/h without straps or fixing systems, and has IP67 and IK10-certified floodlights.





HiLight B7+

Illuminate smarter

The low noise LED light tower HiLight B7+ has been designed to be seen and not heard while ensuring maximum safety on site.

Delivering operating noise levels as low as 55 dBA, the renewed version of the B7+ with this upgraded light tower is ideally suited to provide illumination at events, temporary public lighting or enhanced visibility at construction sites located near residential areas.

The unit is user-friendly and highly intuitive, so no specific knowledge is needed to install and operate the equipment. Dimmable SMD floodlights can be adjusted to meet changing needs, while compact dimensions enhance transport economy and low maintenance requirements reduce servicing cost. All of these features combine with the market-leading capabilities of the HiLight B7+ light tower to provide a highly effective, flexible and energy saving lighting solution.



LIFE SPAN
50.000 Hrs



LIGHT
COVERAGE
7.000 m²



SERVICE
INTERVAL (HRS)
600



SMD
FLOODLIGHTS



TRANSPORT
EFFICIENCY



13m Truck

55 dB(A)
at 7 m



START
PHOTOCELL



WEEKLY
TIMER



HiLight H7+

Light up efficiency

This light tower offers low operational costs and reduced noise levels while increasing illumination coverage. It is ideal for tough environments, such as mining and construction applications, as well as for the rental industry.

The HiLight H7+ comes with the innovative **HardHat® body**, made of medium-density polyethylene rather than metal, to protect the working components underneath from the elements. The HardHat® is **resistant to corrosion**, lightweight, crack-resistant and better able to meet the critical demands of on-site use.

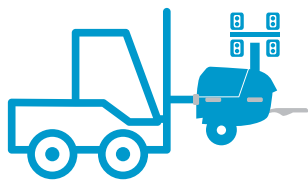
It features a new generation of SMD floodlights that are more efficient and provide optimal light distribution with an illumination area of up to 7.000 m² and a life expectancy of 50.000 hours. To offer the right luminosity at each moment and increased autonomy, the HiLight H7+ comes with a dimming function on the easy-to-use control panel, located in an exterior lateral panel of the light tower.

Maintenance and transport efficiency were a priority when designing the HiLight H7+. This light tower only requires a **simple service** after 600 hours of operation which can be carried out in 40 minutes.

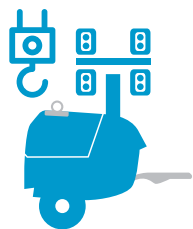




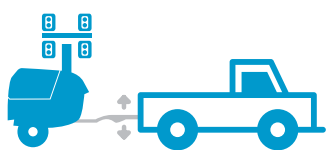
The new **HiLight H7+** can be transported in three different ways. It has an integrated lifting point, four forklift slots and three different tow bars to choose. The adjustable tow bar provides **flexibility**, as it allows users to handle and transport the HiLight H7+ easily while towing with vans, trucks, and pick-ups.



Forklift slots



Integrated lifting point



Straight / Foldable / Adjustable tow bar



SMD LED floodlights



One side service

HardHat®
BODY



UP TO
40% LESS
FUEL AND CO₂
EMISSIONS*



-5dB(A)
LOWER
NOISE



40Min
EVERY 600Hrs



**LIGHT
COVERAGE**
7.000 m²



LIFE SPAN
50.000
Hrs



SMD
FLOODLIGHTS



*with dimming function



HiLight V5+ NEO and HiLight V7+

The HiLight V5+ NEO and the HiLight V7+ include a HardHat® canopy as standard, which ensures maximum protection of internal parts. Equipped with efficient new SMD floodlights, this range of LED light towers is suited for multiple drop rental applications and provides users with a **robust and easy-to-transport set of lighting options that match any site requirements**. Thanks to its compact dimensions, 16 units can be loaded on a 13-metre truck. The extended safety features also guarantee the protection of bulbs during transportation.



LIGHT COVERAGE
5.000 m²

200 HOURS RUNTIME
(110 L FUEL TANK)

0.5 l/h

SMD FLOODLIGHTS

SERVICE INTERVAL (HRS)
600

63 dB(A) at 7 m

LIGHT COVERAGE
7.000 m²

Spillage free frame

0.7 l/h



HiLight PE 3

Portable and efficient

Featuring four SMD LED floodlights, the HiLight PE 3 offers **3.000 m² of light coverage** and **150 lm/W of luminous efficacy**. With a dimming function included in the driver control and Wi-Fi connection to operate the unit, it has its own ergonomic case for improved transportability. This plug & light solution is extremely flexible, with a temperature operational range that goes from -40 to 45°C.



SMD LED floodlights



E-LED



PLUG & LIGHT



50km/h
WIND STABILITY

LIGHT
COVERAGE
3.000 m²



EMISSION-
FREE
OPERATIONS

No access to the grid?

Recommended power sources; iP and P generators

- ☒ Perfect fit
- ☒ Good choice

	P2000i 1,6 kW	P2500i 2,3 kW	P3000 2,3 kW	P3500i 3 kW	P6000i 6 kW	P6500 5 kW	P8000 6 kW	ZBP2000 2 kWh
HiLight PE 3 LED 4x120W	3	4	4	6	12	10	12	1x 4h
HiLight V3+ LED 4x120W	1	1	1	1	-	-	-	1x 4h
HiLight E3+ LED 4x160W	2	3	3	4	9	7	9	1x 3h

UP TO
15%
BRIGHTER



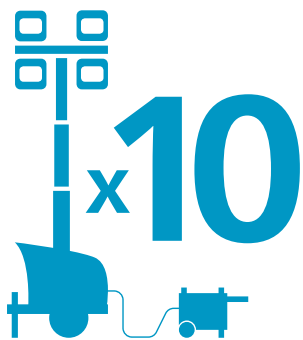


HiLight E3+

Electric light tower with HardHat®

The HiLight E3+, operates reliably throughout the most demanding conditions found at construction sites, outdoor events and temporary public lighting installations. Its internal electronics, control panel and connectors are protected from the elements by the innovative HardHat® canopy, while the complete assembly, which includes a heavy-duty 7 metre mast, has a certified wind stability of 100 km/h. **Easy to plug into any power source including auxiliary power, power generators, energy storage systems or directly into the grid.**

With no mechanical parts to maintain, and no liquids, this light tower helps operators to reduce their noise and carbon emissions with a positive impact in the level of productivity on site.



Exclusive HardHat® technology 	TRANSPORT EFFICIENCY 32 ut ←13m Truck	7m 100km/h WIND STABILITY
LIFE SPAN 50.000 Hrs 	LIGHT COVERAGE 3.000 m² 	PLUG & LIGHT
		EMISSION-FREE OPERATIONS



HiLight V3+

These electric plug & light solutions provide flexible lighting options for a wide range of applications. V3+ come with a robust steel frame with PE bumpers.

These bumpers are designed to the same standards as the HardHat® Canopy.



PLUG & LIGHT



EASY TO
TRANSPORT



LIGHT
COVERAGE

3.000 m²

LIFE SPAN
50.000
Hrs

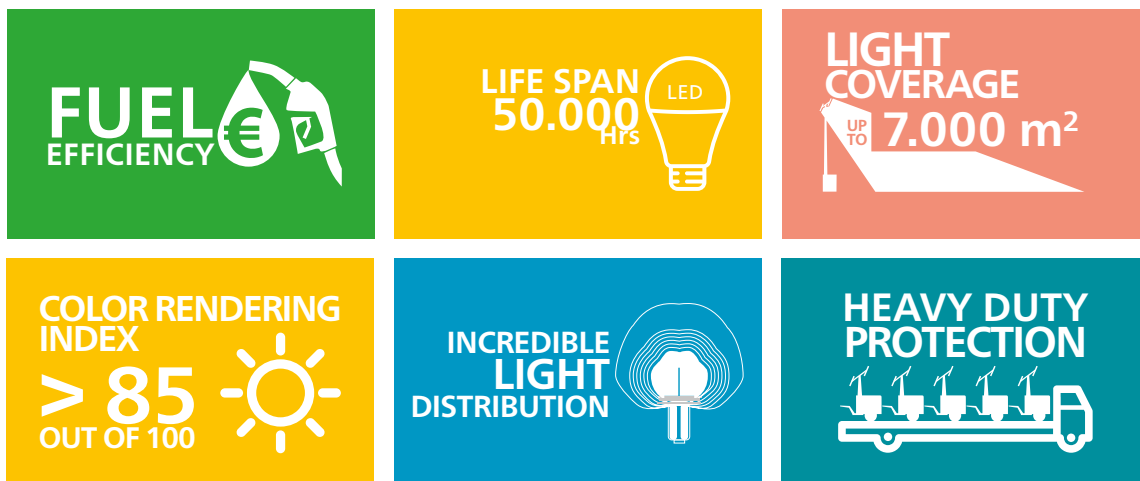


Choose the one that best fits your needs

	Segments	Energy Efficiency	Running hours	Area coverage	Easy movement	Lamps durability	Service interval	Transport efficiency
HiLight MS 4	Industry, events, construction, rental, quarry, mining	●	●	●	●	●	●	●
HiLight MS 5	Industry, events, construction, rental, quarry, mining	●	●	●	●	●	●	●
HiLight PS 3	Events, rental	●	○	○	●	●	●	●
HiLight BI+ 4	Industry, events, construction, rental, quarry, mining	●	●	●	○	●	●	●
HiLight E3+	Agriculture, events, construction	●	○	○	●	●	●	●
HiLight PE 3	Construction, rental, quarry, mining	●	○	○	●	●	●	●
HiLight V3+	Industry, rental, construction, quarry, mining	●	○	○	●	●	●	●
HiLight H7+	Rental, quarry, mining	●	●	●	●	●	●	●
HiLight B7+	Rental, quarry, mining	●	●	●	○	●	●	●
HiLight V5+ NEO	Rental, quarry, mining	●	●	●	●	●	●	●
HiLight V7+	Rental, quarry, mining	●	●	●	●	●	●	●

● Best choice ○ Suitable

What's unique about our LED technology?



- LED HiLight tower lamps have an aluminum casting which provides heavy duty protection, even during transportation.
- The LED lamps have a high CRI (Color Rendering Index) score (> 85 out of 100).
- The directional optics of the LED HiLight range offer incredible light distribution.
- Our LED HiLight towers offer up to 7.000 square-metres of light coverage with an average level of 20 luxes.
- LED lamps have a life expectancy of more than 50.000 hours.
- Our LED technology enables us to set the industry benchmark when it comes to fuel efficiency.

SMD LED Savings per Year (per unit, 1500h, compared to a metal halide light tower)



* Savings will vary depending on comparison models.

		 SOLAR			 HYBRID	 DIESEL	
							
		HiLight PS 3	HiLight MS 4	HiLight MS 5	HiLight BI+ 4	HiLight H7+	HiLight B7+
Light coverage m ²		3000	3846	5278	4000	7360	7360
Lamps		SMD LED	SMD LED	SMD LED	SMD LED	SMD LED	SMD LED
Mast		Vertical manual	Vertical manual	Vertical manual	Vertical hydraulic	Vertical hydraulic	Vertical hydraulic
Features		Working with ZBP2000, Dimming, WiFi connection, Trolley and 2x200W foldable solar panel	* Discharging. Charging the minimum is 0°C. Solar. 1x Lithium Battery standard. Option for 2 Batteries. 3x 430Wp solar panel Dimming and Photocell as standard. Smart ECO Light Controller	* Discharging. Charging the minimum is 0°C. Solar. 1x Lithium Battery standard. Option for 2 Batteries. 3x 430Wp solar panel Dimming and Photocell as standard. Smart ECO Light Controller	Hybrid, 4 operation mode, Electrical mast rotation, can be used in 60Hz, without output socket.	HardHat® body	Compact box
Performance data							
Rated frequency	Hz	50 60	50 60	50 60	50	50	50
Rated voltage	VAC	100-277	230 240	230 240	230 (Input)	230	230
Rated power (PRP)	kW	0,48	-	-	1,4	2,21	2,21
Operating temperature (min/max)	°C	-10/50*	-20*/55	-20*/55	-4 / 50	-20 / 40	-20 / 40
Sound power level (LwA)	dB(A)	-	-	-	80	83	82
Sound pressure level (LpA) at 7m	dB(A)	-	-	-	54	56	54
Energy Source							
Type		Solar	Solar	Solar	Hybrid	Diesel Stage V	Diesel Stage V
Model		-	-	-	Kubota Z482	Kubota Z482	Kubota Z482
Speed	rpm	-	-	-	1500	1500	1500
Rated net output (PRP)	kW	-	-	-	2,96	2,96	2,96
Coolant		-	-	-	Water	Water	Water
Number of cylinders		-	-	-	2	2	2
Alternator							
Model		-	-	-	NSM PMG-DC 1/8SC-20	Linz Alumen SB®	Linz Alumen SB
Rated output	kVA	-	-	-	4,5	3,5	3,5
Insulation / Enclosure protection	class/IP	-	-	-	H / 21	H / 21	H / 21
Fuel Consumption							
Fuel tank capacity	l	-	-	-	180	120	130
Autonomy	h	-	11	16	614	176	191
Power output							
Auxiliary power	kW	-	-	-	Optional	1,2	1,2
Lights							
Floodlights		LED	LED	LED	LED	LED	LED
LED Type		SMD	SMD	SMD	SMD	SMD	SMD
Power	W	4 x 120	3 x 150	4 x 150	4 x 150	4x 350	4 x 350
Light coverage (20 lux avg)		3.000	3.846	5.278	4.000	7.360	7.360
Light coverage (min 1 lux)		4.060	4.592	5.852	6.780	12.567	12.567
Total Lumen		72.000	61.500	117.000	90.000	210.000	210.000
Mast							
Type		Manual	Manual	Manual	Hydraulic	Hydraulic	Hydraulic
Rotation	degrees	360	340	340	340	340	340
Maximum height	m	3	7	7	8	7,9	7,9
Maximum speed wind (Category IV)	km/h	50	105	105	105	105	105
Enclosure and trailer							
Type		Trolley with a Mast and 2x200W solar Panel to be used with ZBP2000	Trailer	Trailer	Box	EU Road homologated fix or adjustable towbar, or site trailer	Box
Base frame		-	Galvanized	Galvanized		Spillage free frame	
Enclosure		Main body carbon steel gray powder coated + stainless steel	HardHat®	HardHat®	Galvanized steel canopy and powder coating paint	HardBody®	Galvanized steel canopy and powder coating paint
Dimensions and weight							
Dimensions in transport Fix Towbar(L x W x H)	m	1,00 x 0,712 x 1,21	3,57 x 1,14 x 2,66	3,57 x 1,14 x 2,66	1,18 x 1,16 x 2,59	2,29 x 1,29 x 2,55	1,16 x 1,16 x 2,45
Weight (dry)	kg	125	870	1000	805	995	980



		DIESEL		ELECTRIC		
						
		HiLight V7+	HiLight V5+ NEO	HiLight E3+	HiLight PE 3	HiLight V3+
Light coverage m2		7360	5000	3000 (avg 12 luxes)	3000	2500 (avg 10 luxes)
Lamps		SMD LED	SMD LED	COB LED	SMD LED	COB LED
Mast		Vertical manual	Vertical manual	Vertical manual	Vertical manual	Vertical manual
Features		Gull-wing HardHat® doors	Gull-wing HardHat® doors Spillage Free as option	Electric	Electric, Dimming, WiFi connection and plastic case for transport. IP67 IK10	Electric
Performance data						
Rated frequency	Hz	50 60	50 60	50 60	50 60	50
Rated voltage	VAC	230 240 120	230 240 120	230 120	100-277	230
Rated power (PRP)	kW	2,3 2,4 2,4	2,3 2,4 2,4	-	0,48	-
Operating temperature (min/max)	°C	-25 / 50	-25 / 50	-	-40 / 45	-
Sound power level (LwA)	dB(A)	88	88	-	-	-
Sound pressure level (LpA) at 7m	dB(A)	65	65	-	-	-
Energy Source						
Type		Diesel Stage 3A Stage V Tier 4f	"Diesel Stage 3A Stage V Tier 4f"	Electric	Electric	Electric
Model		Kubota Z482	Kubota Z482	-	-	-
Speed	rpm	1500 1800	1500 1800	-	-	-
Rated net output (PRP)	kW	3,4	4,1 4,9 4,1	-	-	-
Coolant		Water	Water	-	-	-
Number of cylinders		2	2	-	-	-
Alternator						
Model		Atlas Copco ACA132BL	"Atlas Copco ACA132B"	-	-	-
Rated output	kVA	3 4	3 4	-	-	-
Insulation / Enclosure protection	class/IP	H / 23	H / 23	-	-	-
Fuel Consumption						
Fuel tank capacity	l	110	110	-	-	-
Autonomy	h	135 142	275 289	-	-	-
Power output						
Auxiliary power	kW	1	1	-	-	-
Lights						
Floodlights		LED	LED	LED	LED	LED
LED Type	W	SMD	SMD	COB	SMD	COB
Power		4x 350	4x 250	4x 160	4x 120	4x 120
Light coverage (20 lux avg)		7.360	5.000	3.000 (avg 12 luxes)"	3.000	2.500 (avg 10 luxes)"
Light coverage (min 1 lux)		12.102	9.366	-	4.060	-
Total Lumen		210.000	155.000	80.000	72.000	60.000
Mast						
Type		Manual	Manual	Manual	Manual	Manual
Rotation	degrees	340	340	-	360	-
Maximum height	m	7,5	7,5	7	3	5
Maximum speed wind (Category IV)	km/h	105	105	105	50	80
Enclosure and trailer						
Type		Site Trailer with 4 point leveling system	Site Trailer with 4 point leveling system	-	Manual mast with suitcase for transport	Heavy Duty Trailer with bumpers in PE
Base frame		Spillage free frame	Open	Galvanized	-	-
Enclosure		HardHat®	HardHat®	HardHat®	-	-
Dimensions and weight						
Dimensions in transport Fix Towbar(L x W x H)	m	1,89 x 1,11 x 2,94	1,90 x 1,14 x 2,68	1,13 x 0,76 x 2,2	1,19 x 0,53 x 0,20	1,1 x 0,85 x 2,00
Weight (dry)	kg	702	702	276	30	110

Product portfolio

ENERGY STORAGE SYSTEMS

PORTABLE 2–10 kVA



MOBILE 15–150 kVA



CONTAINER 250–1000 kVA



FAST CHARGER 160–480 kW



LIGHT TOWERS

DIESEL



HYBRID



SOLAR



ELECTRIC



GENERATORS

PORTABLE 1,6–12 kVA



SPECIALIZED 9–660* kVA



VERSATILE 9–1250* kVA



LARGE POWER 800–1450 kVA



*Multiple configurations available to produce power for any size application

DEWATERING PUMPS

ELECTRIC SUBMERSIBLE up to 18 000 l/min



ELECTRIC SELF-PRIMING CENTRIFUGAL 833–23.300 l/min



SELF-PRIMING CENTRIFUGAL 833–23.300 l/min



ONLINE SOLUTIONS

FLEETLINK

Intelligent telematics is a system that helps optimize fleet usage and reduce maintenance, ultimately saving time and cutting operating costs.



PUMP SIZING CALCULATOR

With a few inputs, this pump sizing calculator will help you to compare dewatering submersible models and find the right one for you.



ECO CALCULATOR: YOUR SIZING TOOL

A useful calculator to help you choose the best solution for your power and light needs.

