



HiLight Towers

Portable Energy

[Introduction](#)

[Product Range](#)

[Market](#)

[Reasons to choose](#)

[Key Benefits](#)

[Main data](#)

[Options](#)

[Tools & communications](#)

Atlas Copco

Mission and Vision



Mission:

- Be number 1 or number 2 in our selected segments.

Vision:

- Be a leading provider of Power and Flow solutions, delivering superior customer productivity and value.
- We strive to develop products that are better for **our customers** and also better for **the environment**.
- We provide complete solutions when it comes to customer's needs on generators, light towers and pumps.

PORTABLE ENERGY SOLUTIONS PORTFOLIO

AIR COMPRESSORS

READY TO GO

110-185 cfm
58-125 psi



VERSATILITY

400-850 cfm
58-200 psi



Diesel and electric options available

PRODUCTIVITY PARTNER

950-18,000 cfm
100-508 psi



GENERATORS

PORTABLE

1,6-13,9 kVA



MOBILE

25-1200* kVA



Multiple configurations available to produce power for any application.

DEWATERING PUMPS

ELECTRIC SUMMERSIBLE

Up to 6,100 gpm



CENTRIFUGAL DIESEL DRIVEN

Up to 3,655 gpm



LIGHT TOWERS

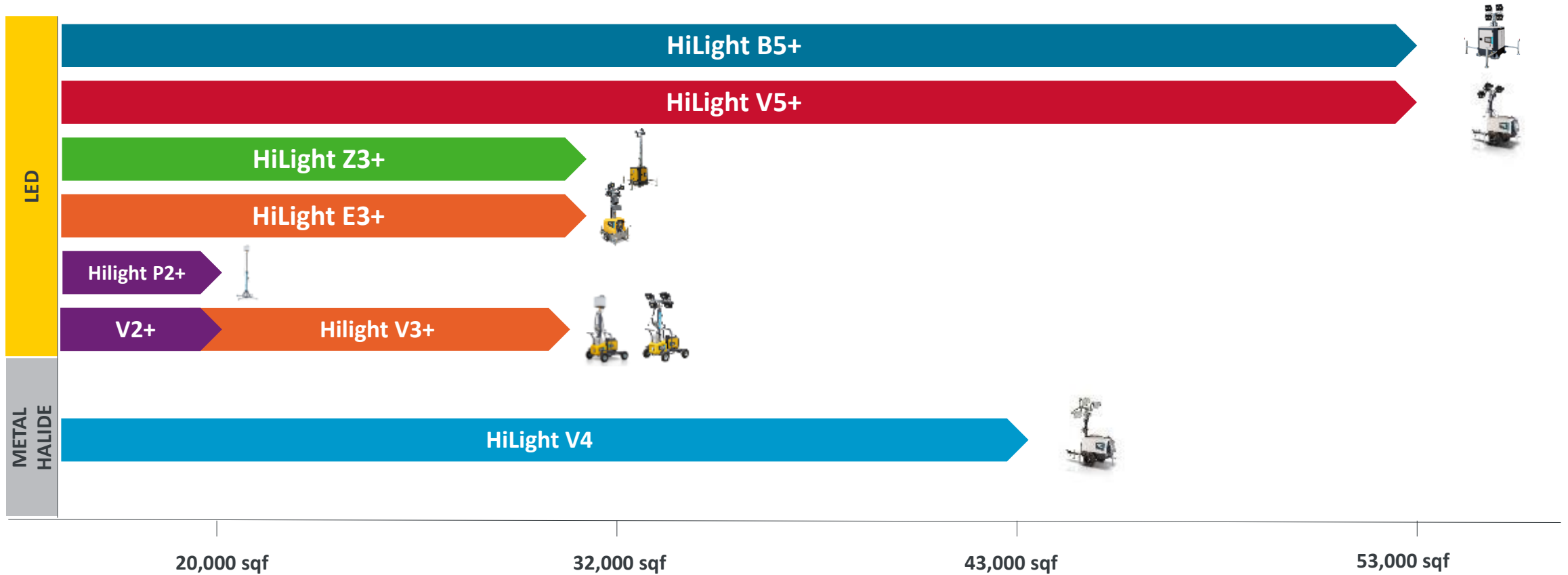
METAL HALIDE













LED



HiLight range



Product Range

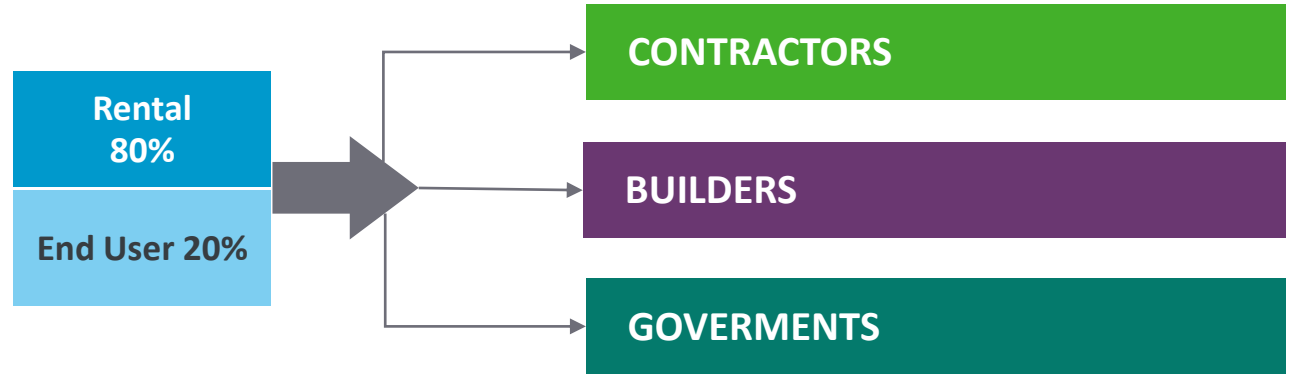
	HiLight V5+ S	HiLight V4 S	HiLight V4W	HiLight E3+	HiLight P2+	HiLight V2+ V3+
						
 Light coverage ft ²	53,819 (average 20 luxes)	43,055 (average 20 luxes)	43,055 (average 20 luxes)	32,292 (average 10 luxes)	51,528 (average 10 luxes)	32,292 (average 10 luxes)
 Lamps	LED	Metal Halide	Metal Halide	LED	LED	LED
 Mast	Vertical Manual	Vertical Manual	Vertical Manual	Vertical Manual	Vertical Manual	Vertical Manual
 Features	HardHat [®] canopy	HardHat [®] canopy	HardHat [®] canopy	Electric	Electric	Electric

Product Range

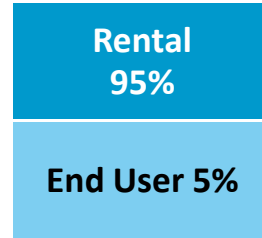
	Segments		Fuel efficiency	Running hours	Area coverage	Easy movement	Extra safety features	Lamps durability	Service interval	Transport efficiency
HiLight V5+ S	 CONSTRUCTION	 QUARRY	●	○	●	●	○	●	●	○
HiLight V4 S	 CONSTRUCTION	 QUARRY	○	○	●	●	○	○	●	○
HiLight V4W	 CONSTRUCTION	 QUARRY	●	●	●	●	○	○	●	○
HiLight E3+	 EVENTS	 ROADWORKS	●	○	○	●	○	●	●	●
HiLight P2+	 EVENTS		●	○	○	●	○	●	●	●
HiLight V2+/V3+	 CONSTRUCTION	 ROADWORKS	●	○	○	●	○	●	●	●

● Best choice ○ Suitable

KEY APPLICATION 1



KEY APPLICATION 2



Festivals



Sports

KEY APPLICATION 3



MINING



QUARRY



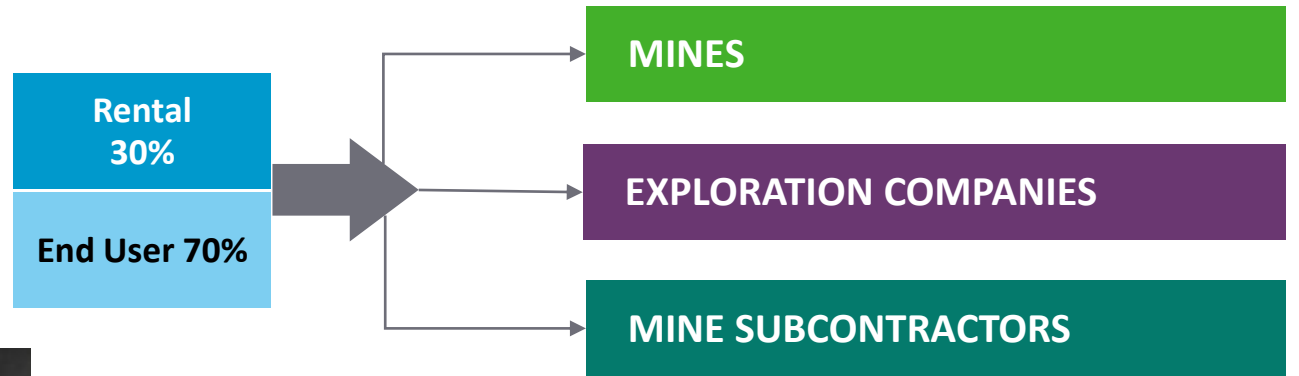
25% OF MARKET



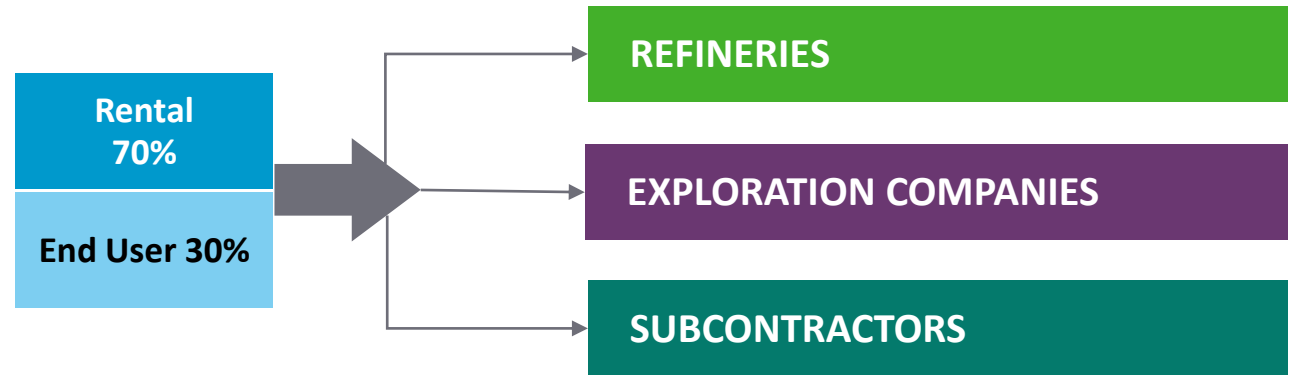
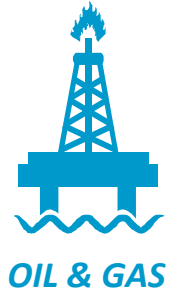
Product processing security



Mine operations

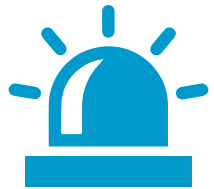


KEY APPLICATION 4



Oil exploration & extraction

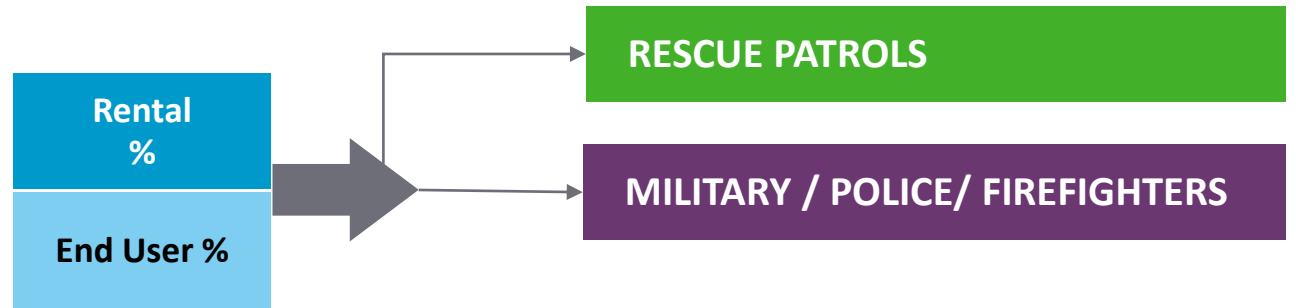
KEY APPLICATION 5



EMERGENCY



10% OF MARKET



Floods

YOU. NOT US

1

Lower Total Cost of Ownership than competitors:

- Resale Value
- Fuel consumption
- Lifetime
- Compact footprint
- Saving 400 gallon per year with HiLight LED

HiLight LED savings per year



*Per unit, compared to metal halide light tower

ENGINEERED. NOT ASSEMBLED


2

Innovative LED floodlights developed by Atlas Copco for construction application:

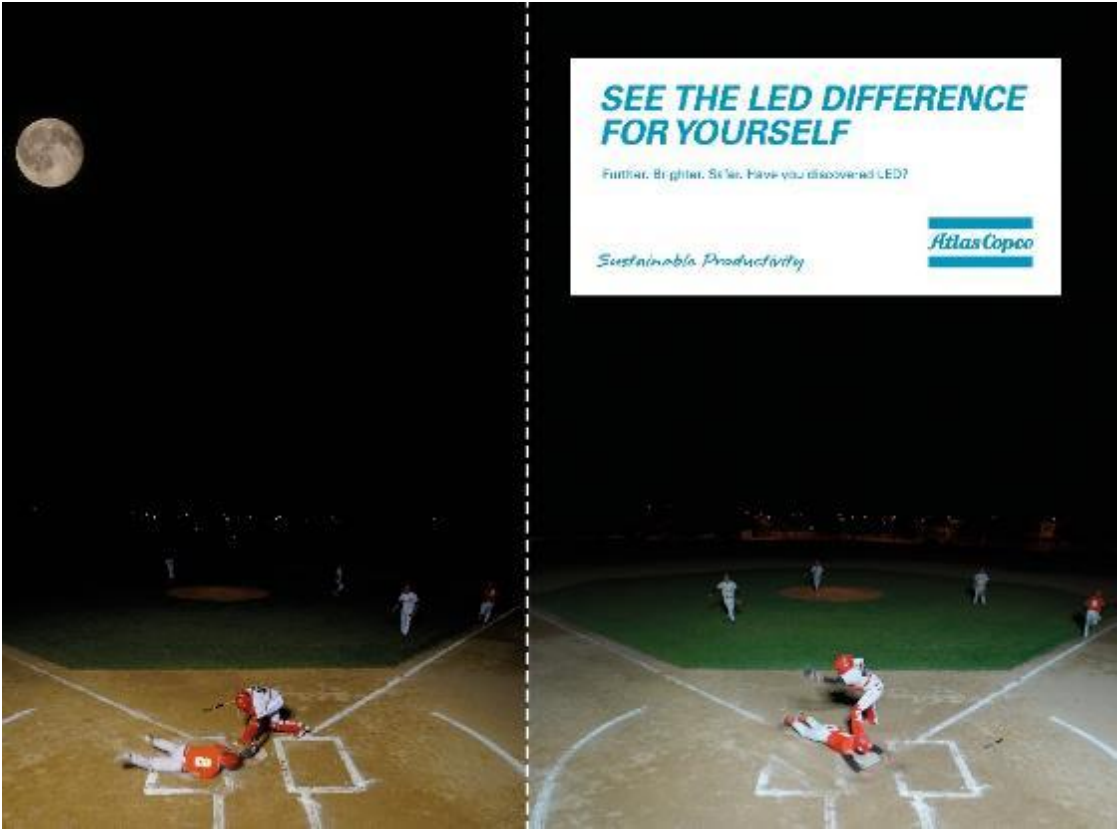
- Unique design with rear fins in order to improve Driver & LED cooling
- Unique lens having a better light distribution
- Super Silent: As low as 63 dBA @ 23ft

LIGHT COVERAGE M²
(Average 20 luxes)

5.000



63dB(A)
at 7m



SOLUTIONS. NOT COMPROMISE

3

100% of HiLight production is tested in our factories:

- Limit Ambient Temperature
- Performance Class
- Mast & Winch Stress test: 1.000 cycles
- Extra safety features; Hydraulic vertical mast and aluminum casting LED lamps



EXTRA SAFETY FEATURES

Hydraulic vertical mast

LED LAMPS ALUMINUM CASTING

PROVIDES HEAVY DUTY PROTECTION

EVEN DURING TRANSPORTATION

EFFICIENT. NOT WASTEFUL

4

Cost-Effective:

- Lower fuel consumption in the market. **Only 0.185 gal/h**
- HiLight B5+ with **compact footprint** improves fleet efficiency on transport and installation
- HiLight range includes spillage free frame as standard

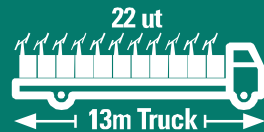


ENVIRONMENTALLY FRIENDLY

NO LEAKAGES



TRANSPORT EFFICIENCY



FUEL CONSUMPTION



UPTIME. NOT DOWNTIME


5

HiLight range offers high serviceability:


- Easy access thanks to 2 big doors
- 400 hours service interval
- 3 years warranty LED(Chip) and drivers
- Heavy duty LED lamps IP 67: 30.000 hrs life expectancy



SERVICE INTERVAL
(Hrs)

500 

LAMP DURABILITY /
LIFE EXPECTANCY

LED
30.000
Hrs 



STOP CHANGING.
START SAVING.

Atlas Copco

LEADER. NOT FOLLOWER

6

**Right combination of LED chips and LED optics.
The design focus has three core points:**

- HiLight LED's directional optics are made of glass, what offers the correct light distribution
- HiLight LED lamps have a high CRI (Color Rendering Index) score. They represent colors better than standard metal halide lamps
- The HiLight LED lamps have an aluminum casting which provides heavy duty protection and robustness, even under intensive use

HIGH CRI SCORE
(COLOR RENDERING INDEX)

> 85
OUT OF 100



CLOSE TO NATURAL LIGHT

SPECIALLY DESIGNED
DIRECTIONAL OPTICS

INCREDIBLE
LIGHT
DISTRIBUTION



NO LIGHT IS WASTED



HILIGHT V5 + S

Key benefits

DESIGN

- HardHat® canopy
- Super silent **63dBA@23 ft**
- Best serviceability thanks to scissors doors
- Environment friendly: spillage free frame

PERFORMANCE

- Dedicated power pack for LED application working at the right power load.
- LED durability **30.000 hours**
- Manual Mast (Electric Winch Option)



BEST LUMINOSITY

- High Efficiency LED 4 X 350 W with **53,800 sqf** coverage
- Special optics to maximize light coverage
- **Long Life time and Durability**
- **Instant light**

BEST TRANSPORTABILITY

- Ultra Compact Footprint
- Up to 18 units on a 53ft flatbed

LOWEST OPERATIONAL COST

- **0,185 gallons per hour of fuel**
- **150 hrs** of continuous run time
- Auto star option: photocell and weekly timer

LAMP DURABILITY /
LIFE EXPECTANCY

LED
30,000
Hrs



FUEL
CONSUMPTION

 **0.185**
g/h

LED

>25% LIGHT
COVERAGE



HILIGHT V4 S

Key benefits

DESIGN

- Best serviceability thanks to scissors doors
- Environment friendly: spillage free frame
- Auto start: photocell and weekly timer (option)

HIGH LUMINOSITY

- Metal Halide Lamps 4 x 1000 W
- 43,000 sqf Illuminated area



ROBUST AND DURABLE

- HardHat® canopy designed to last !
- Heavy duty base frame and stabilizers

BEST TRANSPORTABILITY

- Ultra Compact Footprint
- Up to 18 units on a 53ft flatbed

LAMP DURABILITY / LIFE EXPECTANCY

Metal Halide
6,000
Hrs



EXTRA SAFETY FEATURES

Manual vertical mast



FUEL CONSUMPTION

 **0.56** g/h

ADDITIONAL FEATURES

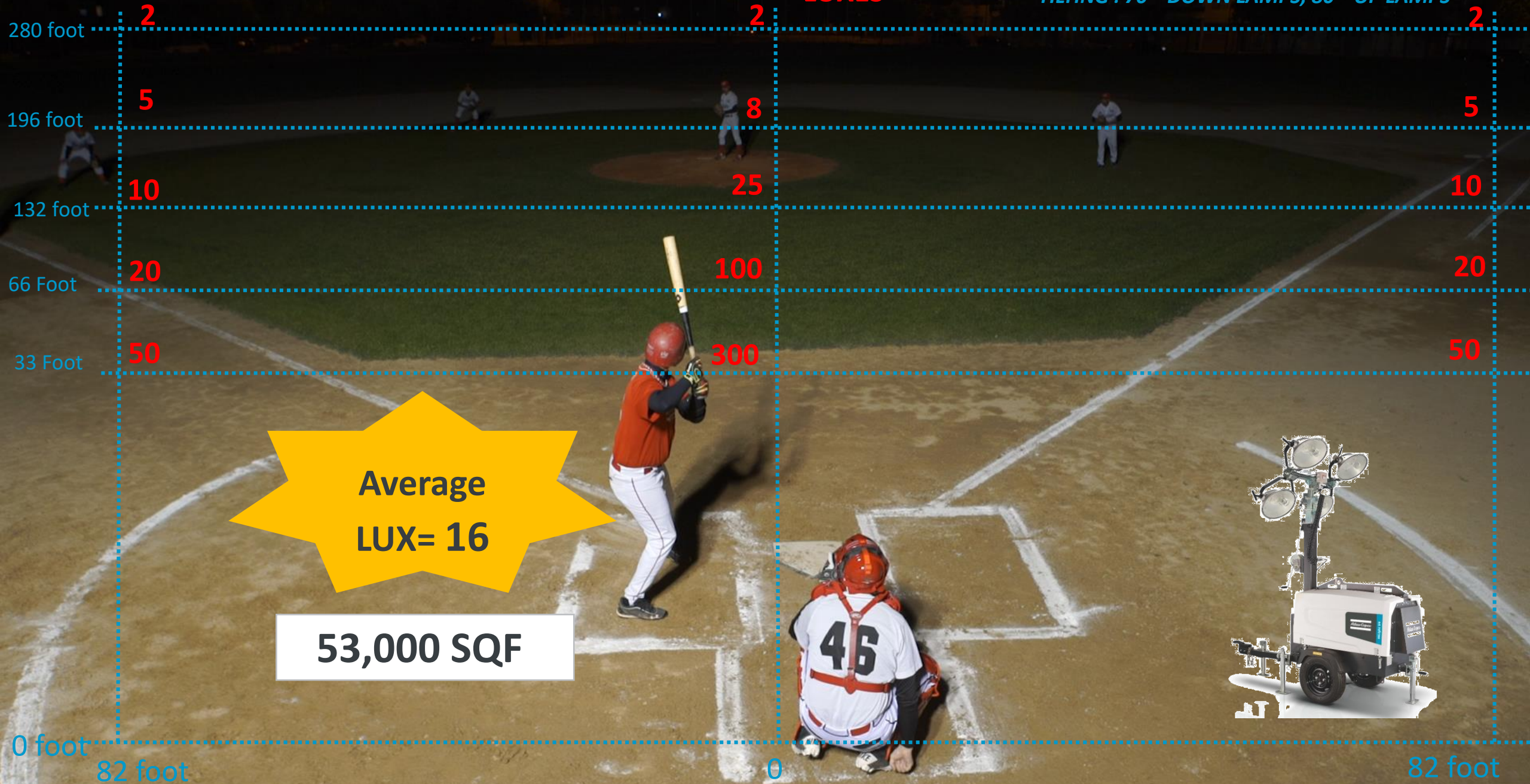
HardHat®
Spillage free frame



Hilight V4 MH 4 x 1000 w

SETTINGS: ALL LAMPS ORIENTED TO THE FRONT
TILTING : 70 ° DOWN LAMPS, 80 ° UP LAMPS

LUXES



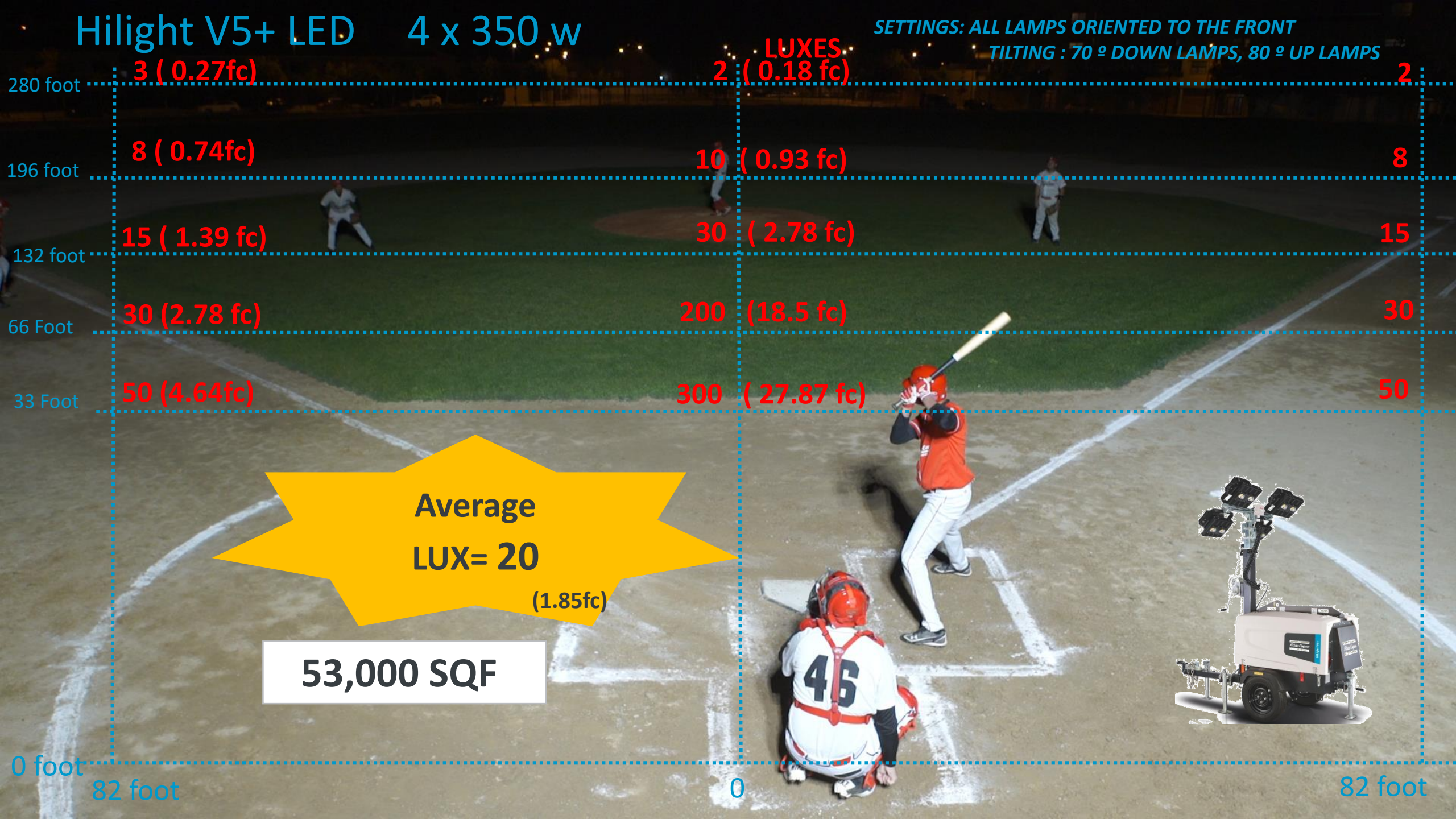
Average
LUX= 16

53,000 SQF



Hilight V5+ LED 4 x 350 w

SETTINGS: ALL LAMPS ORIENTED TO THE FRONT
TILTING : 70 ° DOWN LAMPS, 80 ° UP LAMPS



HiLight V4 S

HIGH LUMINOSITY METAL HALIDE

- MH 4 x 1000 W
- 440.000 Lumens



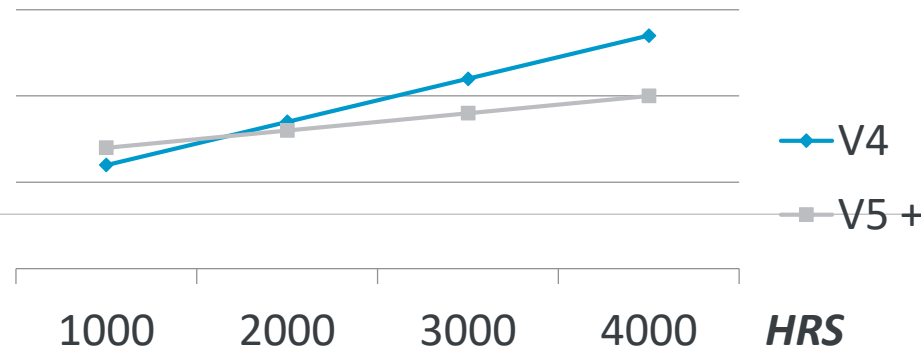
PERFORMANCE

STANDARD USE

DUAL OFFERING



Cost of ownership



HiLight V5+ S

HIGH LUMINOSITY LED

- LED 4 x 350 W
- 135,000 Lumens
- Equivalent luminosity to Metal Halide



COST OF OWNERSHIP

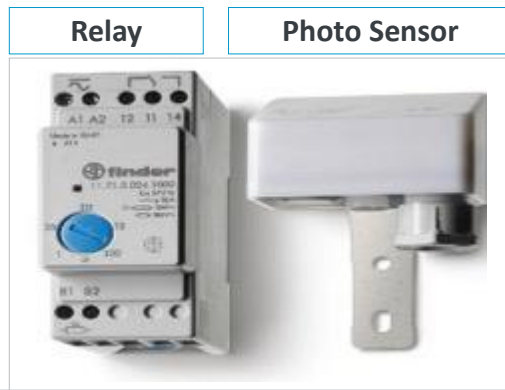
INTENSIVE USE

HILIGHT V5+ AND V4

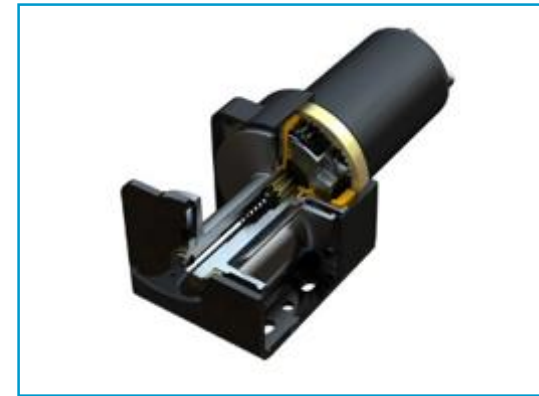


PHOTOCELL

- Measures the luminosity and can be activated by sunlight
- Regulator: adjusts the luminosity sensitivity level of the photocell
- Recommended value: 50 lux
 - <50 Lux: the floodlight switch on
 - >50 Lux: The floodlight switch off
- Components



DC ELECTRIC WINCH



DC Electric Winch 3500lbs

HILIGHT B5+

Key benefits

DESIGN

- Very compact and optimized while keeping a great serviceability (**26 units per truck**)
- Environment friendly: spillage free frame
- Galvanized fork lifts

PERFORMANCE

- As quiet as 55dBA at 23ft
- Lc 1003 Controller
- Most reliable power pack on this segment



BEST LUMINOSITY

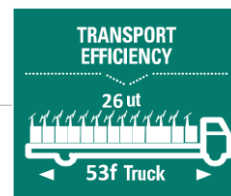
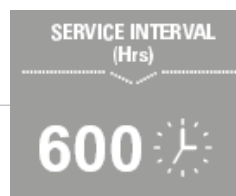
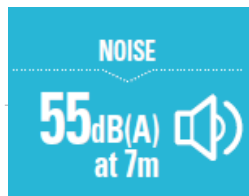
- High Efficiency **LED 4 X 350 W** with **53,800 sqf** coverage
- Special optics to maximize light coverage
- **Long Life time and Durability**
- **Instant light**

HYDRAULIC MAST

- 5 elements mast
- 100 % galvanized

LOWEST OPERATIONAL COST

- **600 hrs** service interval
- 220h fuel autonomy
- Improved transportability : 26pcs in a 53ft truck
- Auto start: photocell and weekly timer



HILIGHT B5+

Main data

		HiLight B5+
Light Coverage (average 20 luxes)	sqf	53,800
Lamps		LED 4 x 350W
Rated Frequency	Hz	60
Rated Voltage	V	120
Rated Power (PRP)	kW	2.8
Power Output	W	1,200
Operating Temperature (min/max)	°F	-4 / 104
Sound Pressure @23ft	dB(A)	55
Sound Power	dB(A)	82
Enclosure		Galvanized steel canopy and powder coating paint
Engine		
Engine		Kubota Z482
Speed	rpm	1,800
Rated Net Output (PRP)	kW	3
Cooling system		Water
Number of cylinders		2

Alternator		
Model		Meccalte LT3/75
Rated Output	KVA	4,5
Insulation/Enclosure protection		H/21
Fuel system		
Fuel tank capacity	gal	34.3
Fuel consumption(lights only)	Gal/h	0.156
Autonomy	Hours	220
Mast		
Type		Hydraulic
Rotation	degrees	340
Max. Height	ft	26
Max. Wind Speed	mph	50
Dimensions and Weight		
Transport dimension (L x W x H)	inch	46" x 46" x 97"
Weight	lb	2160

HIGHLIGHT B5+

Power and Flow division

Key benefits

US STANDARDSCOPE OF SUPPLY

PHOTOCELL

Relay

Photo Sensor



Installed on top of the mast

CONTROL CUBICLE



- LC1003 Control panel
- **SOCKETS:** Duplex GFCI 20A/120V
- MSA Emergency button
- Timer with 14 events

EXTERNAL POWER INPUT









HILIGHT B5+

SmartMast : Advanced Safety Feature

Smart Mast is an factory mounted **OPTION**

ATLAS COPCO
TECHNOLOGY



Smart Mast Features					Platform
Smart Stability	Stability Assistance	Obstacle Detection	Impact Detection	Dimming	
					



EVENTS



CONSTRUCTION



MINING



OIL & GAS



INDUSTRY

HILIGHT B5+

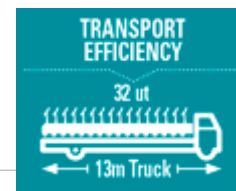
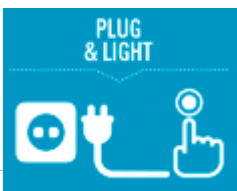
HiLight E3+

Versatility

- Electric light tower, powered by:
 - HiLight Auxiliary power
 - QEP / P generator
 - Mains
- Link up to 3 units with 1 power source
- User friendly Control panel
- 60Hz Version. NEMA L5-20A Socket

High luminosity

- High Efficiency LED 4 x 160 W
- 32,000 sqf Illuminated area with an average of 12 lux
- **Option : 1 x 500W baloon style**
- Certified wind stability 65 mph



Performance

- **HardHat/ RedRock Canopy**
- **Front door to storage cables and accessories**
- Heavy duty 23 ft mast
- **Patented Safety brake**



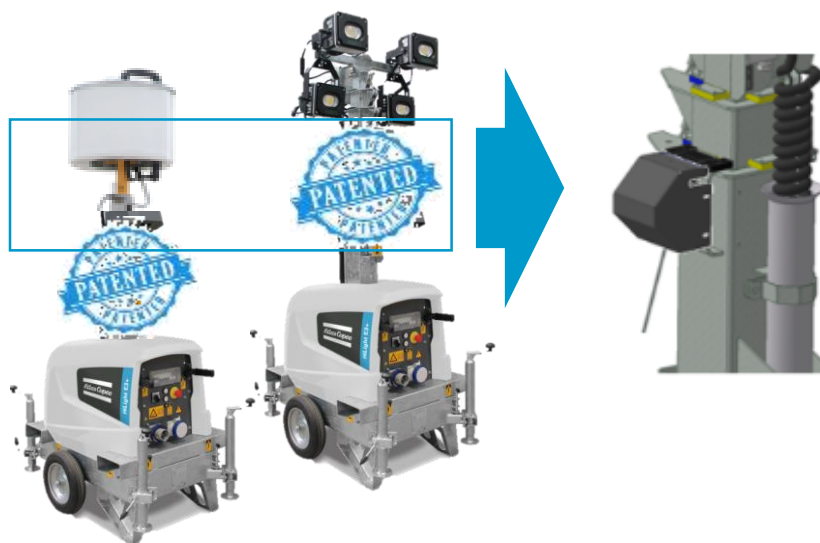
Transportability

- Compact and optimized (32 u. per truck)
- Forklift pocket
- Lifting eye (Crane)
- Wheels and handle kit

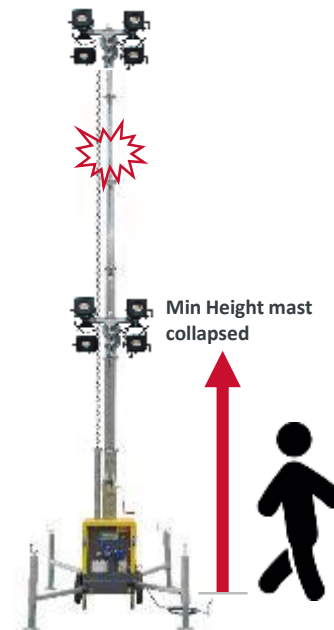
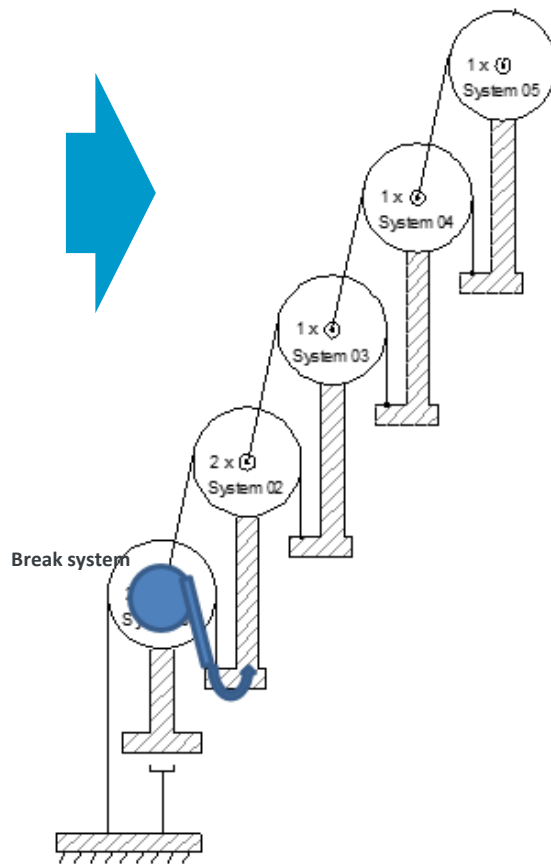


HiLight E3+ : What's New?

Mast Break System



How does it work?



- Safety break fixed between section 1 and section 2 .
- If any of the pulley-ropes is broken/cut, the break will be engaged and will avoid the floodlights hit workers surrounding the light tower.

Customer Gains

- 👍 Increased safety
- 👍 Peace on mind
- 👍 Compliance with the highest safety standards

HILIGHT P2+



HIGH LUMINOSITY

- High Efficiency **320W LED**
- **21,520 ft²** Illuminated area
- Unique floodlight which reaches over 360°, larger area can be illuminated compare to traditional balloons

ANTI GLARE SYSTEM

- High Efficiency **320W LED**
- PE Optical Build Up (No burnt Cloth)

DESIGNED TO LAST

- Heavy duty mast
- Certified wind stability 31 mph without straps or fixing systems
- No Air Pressure to Fill or Umbrella opening System

EFFICIENT

- 100% More Efficient
- 40 Lux/Watt
- Compact footprint easy to transport



HILIGHT V2+ and V3+

HIGH LUMINOSITY

- Different LED floodlight combination:
 - V3+ : 4X120w → Light coverage 32,300 ft²
 - V2+ : High efficiency 320W → Light coverage 21,520 ft²
- Wind stability 31 mph without straps or fixing systems

EASY TRANSPORT

- Wheels, brakes and handlebar to make easier transportation
- Compact design for transportation savings



DESIGNED TO LAST

- 18ft stainless steel vertical mast
- LED floodlights and 30.000 hrs lifespan
- Robust steel frame with PE bumpers designed under the same standards as Hardhat Canopies

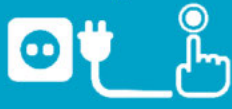
EFFICIENT

- Different power nodes including inverter generators with smart speed control → FUEL EFFICIENCY
- UPTIME instant light. Stop changing Bulbs and Ballasts
- Less operating space

EASY
TO TRANSPORT



PLUG
& LIGHT



COMPACT
FOOTPRINT

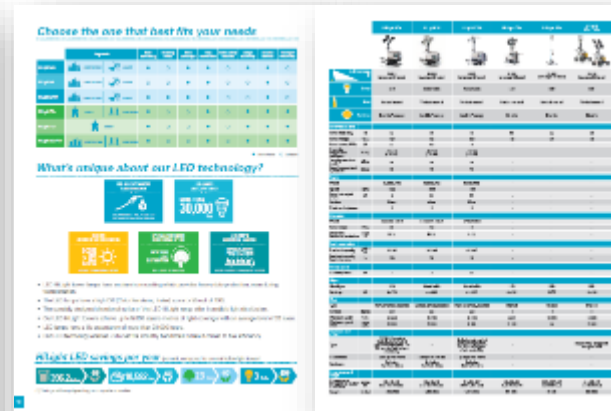


LAMP DURABILITY /
LIFE EXPECTANCY



TOOLS & COMMUNICATIONS

SALES LEAFLET



VIDEOS



2 of 5 reason to choose LED HiLight H5+
<https://www.youtube.com/watch?v=xX1YoU-vCp4>



1 of 5 reason to choose LED HiLight H5+
<https://www.youtube.com/watch?v=AWJYNM0ZnQA>



It might be tough, but it should never be dark!



HiLight: See luminosity, efficiency, durability and toughness in a new light HD CC
<https://www.youtube.com/watch?v=0prc47tCp-w>



<https://www.youtube.com/watch?v=umMX86mo-G8>

The Atlas Copco logo is centered on a solid blue background. It consists of two thick white horizontal bars, one above and one below the brand name. The brand name "Atlas Copco" is written in a white, elegant, cursive script font. The background of the entire image is a solid blue color, with a faint, light blue technical drawing of a mechanical assembly visible in the bottom right corner.

Atlas Copco