



NIGHTSCAN MOBILE/PORTABLE LIGHT TOWERS



Watch
Product Video



Visit
Corporate Website



Download
Product Brochure



Watch
Corporate Video



Why You Need a Night Scan Light Tower

Safety is the number one requirement when answering a call and nighttime operations create an even bigger challenge. Night Scan light towers create a safer work environment by lighting the scene from above, like natural daylight.

Overhead lighting reduces glare for oncoming traffic and does not blind the crew. Night Scan light towers allow you to customize light intensity and coverage by stopping the tower at any height before it is fully extended. Installation flexibility is delivered with three lightweight options; roof-mounted to the apparatus, internally installed extending through the roof or mounted externally to the vehicle.

All Night Scan light towers meet or exceed all NFPA 1901-16 requirements. The Made in the USA, maintenance-free design operates in nearly any environment – from dusty, hot deserts to -22°F, snowy conditions. The Powerlite dual-tilt light option allows you to illuminate 360° of the scene by equally distributing light front and back.

The nearly limitless options of Night Scan ensures that it will meet the needs of your department. Hilly terrain or tall buildings might require a light tower of 30 feet with six high-powered lamps. Small vehicles might be better suited with a 3.25 foot Night Scan Chief model with two lamps. The towers can accommodate any vehicle's electrical system with LED lamps from the best brands – FRC, Whelen, Night Scan and Will-Burt.

The always upright design of Night Scan provides the best platform for adding optional beacon lamps or video cameras. Video cameras can be used for scene recording, training or remote monitoring of operations. Will-Burt has a full range of video options from simple, fixed lens cameras to high-definition and thermal imaging PTZ cameras.

Choose Night Scan and operate under the safest nighttime conditions, because You Need Light Every Night!

nightscan[®]
by Will-Burt



Standard Color White.
Black Option for
Additional Charge.

Selecting the Night Scan That is Best For You

1. Review your total height requirements. If your terrain is hilly or there are tall trees or buildings, you might want a taller tower, up to 30 feet. Remember that the mounting location will add height as well. Night Scan platforms are available from 3.25' to 30'.
2. How much space is available for the light tower? If ample roof space is available; a lightweight, compact, folding, roof-mounted tower is a good option. If space is tight, a through the roof vertical light tower or side mounted vertical tower might be the best option.
3. How much light do you need? 2, 4, 6 or 12 LED lamp options are available. Total lumens can reach 240,000.
4. What type of electrical system is available? 12 and 24 DC options are available for vehicle electrical systems and 120 and 240 AC options are available for vehicles that have on-board generators.
5. Select the tower remote control that is best for your needs. Wired controllers, panel-mount controllers and wireless controllers are available.
6. Want total control? Select Night Scan IQ with Atherion IQ Adjustable LED Scene Lights.
7. Last, what options are needed? Warning beacons and video cameras are available on most Night Scan light towers.

See page 10 for the tower and light options or visit <http://www.willburt.com/support/support-center/ez-spec/> for options and downloadable specifications.



CONTENTS



NIGHT SCAN® CHIEF & POWERLITE LIGHT TOWER 4-5



NIGHT SCAN® TOWER AND LIGHT PACKAGE OPTIONS..... 10-11



NIGHT SCAN® XTREME AND VERTICAL COMPLETE LIGHT TOWER6



NIGHT SCAN® LED LAMPS 12-15



NIGHT SCAN® VERTICAL LIGHT TOWER7



VALUE-ADDED ACCESSORIES.....16



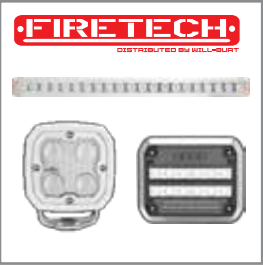
NIGHT SCAN® IQ INTELLIGENT LIGHT TOWER SYSTEM8



MOBILE VIDEO SYSTEMS 17-18



ATHERION IQ ADJUSTABLE LED SCENE LIGHTS9



FIRETECH.....19

night **Fit** scan®

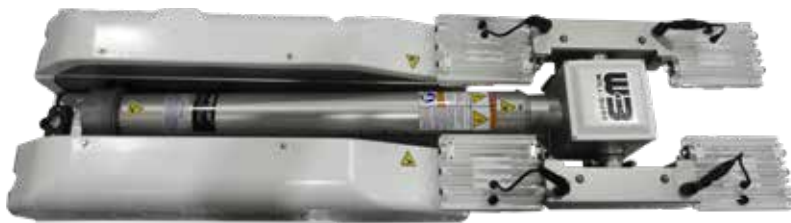


The name says it all! Night Scan Fit – the light tower that Fits your Space and Fits your Budget.

Don't let the narrow footprint and lightweight design mislead you. This is a powerful Night Scan with powerful LEDs to illuminate your work without blinding your crew. A remote-controlled positioner that puts the light where you need it regardless of your apparatus' position and most importantly, it turns night into day, helping to keep your crew safe.

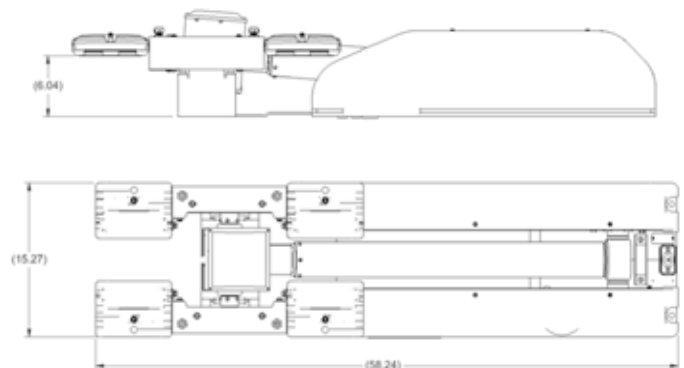
ESSENTIAL FEATURES

- Narrow – less than 16”
- Lightweight – less than 100 pounds
- Positions powerful LED light, 56,000 lumens, where you need it, regardless of the apparatus' position
- Easy to install, Self-contained system only requires 12-volt power



Night Scan® Fit	1.0	2.3
Height	3.25 ft. / 1 m	7.5 ft. / 2.3 m
System Weight Approx.	89 lb. / 41 kg	97 lb. / 44 kg
Auto Deploy and Auto Stow®	8 seconds	10 seconds
Number of Lights Available	4	4
Light Type Available	WB 140 LED	WB 140 LED
Maximum Lumens	56,000	56,000
Pan and Tilt Light Positioning	Yes	Yes
Opposable Light Fixtures	No	No
VDC / Watts Maximum	200	200
VAC / Watts Maximum	120 or 240 / 6000	120 or 240 / 6000
Beacon Light Option	No	No
Camera Option	No	No
Color Option	Standard Color White. Black Option for Additional Charge.	
*Wind Speed Survival	140+ mph / 225+ km/h	114 - 140 mph / 184 - 225 km/h
Operating Temperature	-22°F to +149°F / -30°C to +65°C	

Night Scan Fit with WB-140 lights



* 125% NFPA Safety Factor

NIGHT SCAN® CHIEF

The Will-Burt Night Scan® Chief is a roof-mounted, fold-down light tower which requires no interior vehicle space. It is typically used on medium-size rescue, pumper rescue, service and utility vehicles. The Night Scan® Chief features a self-contained air system (no external air supply needed) and is available with all DC (12V/24V DC) operations in which generator or inverter is not required.

Night Scan® Chief	1.0	1.8	2.3
Height	3.25 ft. / 1 m	6 ft. / 1.8 m	7.5 ft. / 2.3 m
System Weight Range	97 lb. / 44 kg - 135 lb. / 61 kg		
Auto Deploy and Auto Stow®	Yes	Yes	Yes
Time to Light	8 seconds	8 seconds	10 seconds
Number of Lights Available	2 or 4	2 or 4	2, 4 or 6
Light Type Available	LED	LED	LED
Maximum Lumens	80000	140000	140000
Full Pan and Tilt Light Positioning	Yes	Yes	Yes
Opposable Light Fixtures	No	No	No
VDC / Watts Maximum	12 or 24 / 500	12 or 24 / 640	12 or 24 / 920
VAC / Watts Maximum	120 or 240 / 6000	120 or 240 / 6000	120 or 240 / 6000
Profilor - Space-Saving Fixture Option	Yes - 2 or 3 lights	Yes - 2 or 3 lights	Yes - 2 or 3 lights
Beacon Light Option	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes
Color Option	Standard Color White. Black Option for Additional Charge.		
*Wind Speed Survival	140+ mph / 225+ km/h	140+ mph / 225+ km/h	114 - 140 mph / 184 - 225 km/h
Operating Temperature	-22°F to +149°F / -30°C to +65°C		

*Varies depending on light package - 125% NFPA Safety Factor



Profilor narrow light fixture option



Night Scan® Chief with Profilor narrow light fixture option

NIGHT SCAN® POWERLITE

The Will-Burt Night Scan® Powerlite is a roof-mounted, fold-down light tower which requires no interior vehicle space. It is typically used on heavy-rescue vehicles, mobile command centers and airport ARFF vehicles. Opposable light fixtures provide equal lighting forward and backward at the same time – 360° of light. Delivering up to 240,000 lumens, the Night Scan® Powerlite is ideal on any vehicle where maximum light is required. The Powerlite 3.0 and 4.5 can be elevated with truck air or optional on-board compressor. The 2.3 comes with a built-in compressor.



Night Scan® Powerlite	2.3	3.0	4.5
Height	7.5 ft. / 2.3 m	10 ft. / 3 m	15 ft. / 4.5 m
System Weight Range (lb.) / (kg)	139 lb. / 63 kg - 178 lb. / 81 kg		
Auto Deploy & Auto Stow®	Yes	Yes	Yes
Time to Light	8 seconds	12 seconds	14 seconds
Number of Lights Available	4	4, 6, 8 or 12	4, 6, 8 or 12
Light Type Available	LED	LED	LED
Maximum Lumens	120000	240000	240000
Full Pan & Tilt Light Positioning	Yes	Yes	Yes
Opposable Light Fixtures	Yes	Yes	Yes
VDC / Watts Maximum	12 or 24 / 920	12 or 24 / 1380	12 or 24 / 1380
VAC / Watts Maximum	N/A	120 or 240 / 9000	120 or 240 / 9000
Profilor – Space-Saving Fixture Option	No	Yes – 2 or 3 lights	Yes – 2 or 3 lights
D-TEC® Power Line Detection System Option	No	Yes	Yes
Beacon Light Option	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes
Color Option	Standard Color White. Black Option for Additional Charge.		
*Wind Speed Survival	114 - 140 mph / 184 - 225 km/h	86 - 140 mph / 138 - 225 km/h	69 - 118 mph / 111 - 190 km/h
Operating Temperature	-22°F to +149°F / -30°C to +65°C		

*Varies depending on light package – 125% NFPA Safety Factor



NIGHT SCAN® XTREME

The Will-Burt Night Scan® Xtreme is a roof-mounted, fold-down light tower which requires no interior vehicle space. It has been designed for applications where maximum height is required, such as hilly terrain, locales with mature trees or urban areas with tall buildings. Opposable light fixtures provide equal lighting forward and backward at the same time – 360° of light. The Night Scan® Xtreme can be elevated with truck air or optional built-in compressor. When the situation requires maximum elevation, Night Scan® Xtreme is the light tower you need.

NIGHT SCAN® VERTICAL COMPLETE

The Will-Burt Night Scan® Vertical Complete is a vertically mounted light tower which was created to be installed externally to the side or rear of a vehicle. This light tower includes an on-board compressor for elevation and requires no truck air. Used for elevating lights and/or cameras, it is perfect for smaller vehicles where space is limited. Measuring less than 6 inches (16 cm) deep, it can even fit between the cab and box. The compressor box can be placed below or beside the mast to suit your specific vehicle requirements.

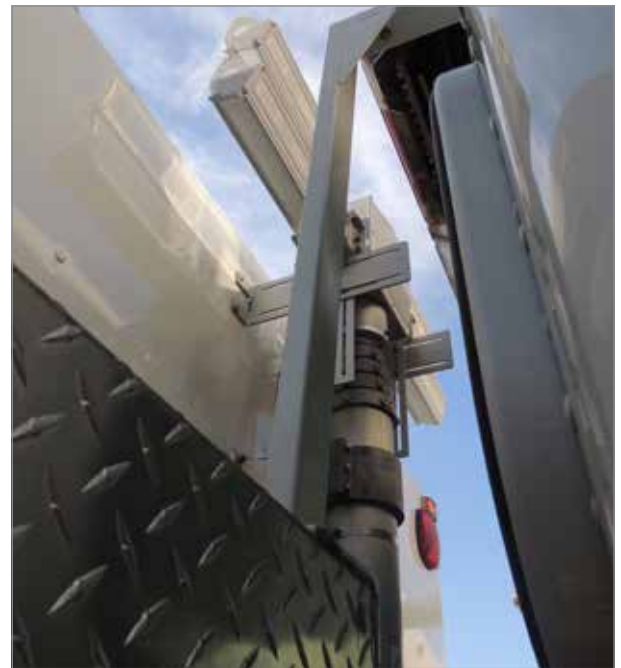


Model	Xtreme 6.0	Xtreme 7.5	Vertical Complete 2.3
Height (ft.) / (m)	20 / 6	25 / 7.5	7.5 / 2.3
System Weight Range (lb.) / (kg)	161 / 73 - 199 / 91		70 / 32 - 85 / 39
Auto Deploy & Auto Stow®	Yes	Yes	Yes
Time to Light	17 seconds	21 seconds	10 seconds
Number of Lights Available	2, 4 or 6	2 or 4	2 or 4
Light Type Available	LED	LED	LED
Maximum Lumens	210000	140000	140000
Full Pan & Tilt Light Positioning	Yes	Yes	Yes
Opposable Light Fixtures	Yes	Yes	No
VDC / Watts Maximum	24 / 920	24 / 460	12 or 24 / 920
VAC / Watts Maximum	120 or 240 / 9000	120 or 240 / 6000	120 or 240 / 6000
Profiler – Space-Saving Fixture Option	Yes	Yes	No
D-TEC® Power Line Detection System Option	Yes	Yes	No
Beacon Light Option	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes
Color Option	Standard color white. Black option for additional charge		
*Wind Speed Survival (mph / km/h)	64 - 94 / 103 - 151	62 - 78 / 100 - 126	114 - 140 / 184 - 225
Operating Temperature (°F / °C)	-22 to +149 / -30 to +65		-22 to +149 / -30 to +65



NIGHT SCAN® VERTICAL LIGHT TOWER

The Will-Burt Night Scan® Vertical Tower is a vertically mounted light tower which may be installed internally or externally to the side or rear of a vehicle. Used for elevating lights and/or cameras, it is typically used on heavy rescue vehicles, full-size mobile command centers, airport ARFF vehicles and large wreckers. Delivering up to 240,000 lumens with the Atherion IQ light package, the Night Scan® Vertical Light Tower is ideal on any vehicle where maximum light and height are required.



Night Scan® Vertical	5.4-17	6-20	7-25	8-30
Height (ft.) / (m)	17 / 5	20 / 6	25 / 7.6	30 / 9
Auto Deploy and Auto Stow®	Yes	Yes	Yes	Yes
Number of Lights Available	4, 6, 8 or 12	4, 6, 8 or 12	4, 6, 8 or 12	4, 6, 8 or 12
Light Type Available	LED	LED	LED	LED
Maximum Lumens	240000	240000	240000	240000
Full Pan and Tilt Light Positioning	Yes	Yes	Yes	Yes
Opposable Light Fixtures	Yes	Yes	Yes	Yes
VDC / Watts Maximum	12 or 24 / 1380	12 or 24 / 1380	12 or 24 / 1380	12 or 24 / 1380
VAC / Watts Maximum	120 or 240 / 9000	120 or 240 / 9000	120 or 240 / 9000	120 or 240 / 9000
Profiler - Space-Saving Fixture Option	Yes	Yes	Yes	Yes
D-TEC II® Power Line Detection System Option	Yes	Yes	Yes	Yes
Beacon Light Option	Yes	Yes	Yes	Yes
Camera Option	Yes	Yes	Yes	Yes
Color Option	Standard color white. Black option for additional charge			
*Survival Wind Speed (mph / km/h)	100+ / 161+	88+ / 141+	74+ / 119+	63+ / 101+
Operating Temperature	-22°F to +149°F / -30°C to +65°C			

*Varies depending on light package - 125% NFPA Safety Factor



nightscan^{iQ}

Intelligent Light Tower System



ATHERION^{iQ}

Adjustable LED Scene Lights

The Night Scan IQ system gives you total control of your scene lighting

Night Scan IQ delivers ultimate control over your scene lighting. It can be programmed to deploy automatically to a specific direction and angle. Night Scan IQ always knows where it is directed in relation to your apparatus and displays this graphically on the 4.3" LCD screen. Flexibility is built-in with easy to change settings and real-time feedback. Night Scan IQ is Smart Illumination.

ESSENTIAL FEATURES

- Programmable positioning
- Graphical User Interface
- Simple to operate and program
- System status feedback
- Panel Mount - optional tethered controller
- Multiplex system compatible
- Available with Atherion IQ adjustable scene lights
 - 4, 6, or 8 lamps / tower
 - 30,000 lumens / lamp up to 240,000 lumens
 - Power Required / lamp 200 watts
 - 120 VAC 1.7 amps / 240 VAC .84 amps
 - 12 VDC 16.7 amps / 24 VDC 8.4 amps

Available as Powerlite Light Tower



The Night Scan Powerlite IQ was tested at -15° F (-26° C) with a 1/4" (6mm) of ice



Identify the exact light position at any given time with Smart Control System



Smooth Deploy and Stow with Smart Actuator



nightscan[®] by Will-Burt

























Tower and LED Light Package Options



Chief

Chief Profiler

1.0	1.8	2.3	1.8	2.3
Tower Height				
3.25 ft.	6 ft.	7.5 ft.	6 ft.	7.5 ft.

Brand	Model	Light Warranty	Lumens / Lamp **	Watts	Voltage	Amps	3.25 ft.	6 ft.	7.5 ft.	6 ft.	7.5 ft.	
		Limited Lifetime	30,000	200	12 / 24	16.7 / 8.4						
		Limited Lifetime	30,000	200	120 / 240	1.7 / .84						
		Limited Lifetime	110000 / 6	600	12 / 24 120 / 240	50 / 25 5.5 / 2.75						
		2	72000 / 6	480	120 / 240	4.0 / 2.0						
		2	45000 / 4	300	120 / 240	2.5 / 1.3						
		2	22500 / 2	150	120 / 240	1.3 / .7	4	4	4			
		Limited Lifetime	20000	125	12 / 24 120 / 240	9.2 / 4.6 1.1 / .55	2 / 4	2 / 4	6	2 / 3	2 / 3	
		5	14000	50	12 / 24 120 / 240	4.2 / 2.1 .42 / .21	2 / 4	2 / 4	2 / 4			
								2 / 4	2 / 4	2 / 4		
		Limited Lifetime*	28000	230	12	19.2		2	2			
				230	24	9.6		2	2 / 4			
				336	120 / 240	2.8 / 1.4		2	2 / 4			
		Limited Lifetime*	20000	230	12	18.3		2	2			
				230	24	9.2		2	2 / 4			
				230	120 / 240	2 / 1		2	2 / 4			
		Limited Lifetime*	20000	160	12	13		2 / 4	2 / 4			
				160	24	6.5		2 / 4	2 / 4			
		Limited Lifetime*	20614	150	120	1.3		2 / 4	2 / 4	2 / 3	2 / 3	
				20261	150	12 / 24	13 / 6		2 / 4	2 / 4	2 / 3	2 / 3
		Limited Lifetime*	19819	180	120	1.5		2	2 / 4			
				19305	225	12	18.8		2	2		
					210	24	8.8		2	2 / 4		

**Lumens per light manufacturer specifications - Multiply lumens by number of lamps for total lumens.

*See manufacturer's web site for limitations of warranty.



Powerlite



Powerlite Profiler



Powerlite Xtreme



Vertical Complete



Vertical

*Visit nightscan.com to customize a light tower using our Night Scan EZ Spec interactive table

2.3 3.0 4.5 3.0 4.5 6.0 7.5 2.3 5.4-17 6-20 7-25 8-30

Tower Height

7.5 ft.	10 ft.	15 ft.	10 ft.	15 ft.	20 ft.	25 ft.	7.5 ft.	17 ft.	20 ft.	25 ft.	30 ft.
	4 / 6 / 8	4 / 6 / 8						4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8
	4 / 6 / 8	4 / 6 / 8						4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8
	12	12	6	6				12	12	12	12
	12	12	6	6				12	12	12	12
	12	12						12	12	12	12
	8	8						8	8	8	8
4											
							2 / 4				
							2 / 4				
	4 / 6	4 / 6	3	3			2	4 / 6	4 / 6	4 / 6	4 / 6
	4	4	3	3			2				
	4 / 6	4 / 6	3	3	2 / 4	2	2	4 / 6	4 / 6	4 / 6	4 / 6
	4 / 6	4 / 6	3	3			2	4 / 6	4 / 6	4 / 6	4 / 6
	4	4	3	3			2 / 4				
	4 / 6	4 / 6	3	3	2 / 4	2	2 / 4	4 / 6	4 / 6	4 / 6	4 / 6
	4	4					2				
	4	4					2 / 4	4	4	4	4
4	4 / 6	4 / 6	3	3	4 / 6	2 / 4	2 / 4	4 / 6	4 / 6	4 / 6	4 / 6
4	4 / 6	4 / 6	3	3	4 / 6	2 / 4	2 / 4	4 / 6	4 / 6	4 / 6	4 / 6
	4 / 6	4 / 6			2 / 4	2	2 / 4	4 / 6	4 / 6	4 / 6	4 / 6
	4 / 6	4 / 6					2 / 4				
	4 / 6	4 / 6			2 / 4	2	2 / 4	4	4	4	4

Revised: February, 2024_v1

ATHERION® IQ

You adapt to everything emergency scene, shouldn't your light tower do the same?

Atherion IQ scene lights, combined with a Night Scan IQ light tower gives you 100% control of your scene illumination.

Each 30,000 lumen lamp has a combination of powerful spot and flood LEDs that you control from the LCD screen of Night Scan IQ.

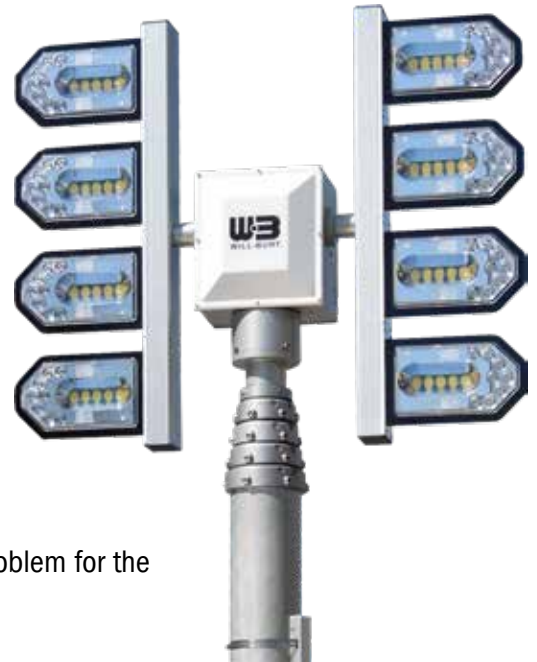
Night Scan Powerlite Dual Tilt action allows you to control two banks of lights independently. The staging area can be washed with floodlighting by one bank of lights, delivering wide and consistent coverage. The second bank of lights can be directed at the work area such as a car accident where the Atherion IQ lights can be dialed to spotlight mode, providing pinpoint illumination allowing your team to perform the most demanding tasks.

Alert oncoming traffic to your presence by setting one or both banks of light to flash mode – you control the speed.

There are some situations where too much light is on the scene – this is no problem for the IQ system – you can dim the lights to the proper level for the situation.

The Night Scan IQ System gives you total control of your scene lighting!

ATHERION^{IQ}



ESSENTIAL FEATURES

- Variable Illumination
 - Shift from Spot to Floodlight or anything in between
- Dimmable
 - Lower the light output for the situation
- Control Two Light Banks Independently
 - Floodlight and / or Spotlight and / or Flash
- Two light banks can be controlled independently – You Decide!
 - Flood and / or spotlight and / or Flash
 - Floodlight for staging area and Spotlight for work area
- Traffic Warning
 - Variable speed flash of one bank or two

• Available on all Night Scan IQ light towers

- 4, 6, or 8 lamps / tower
- 30,000 lumens / lamp up to 240,000 lumens
- Power Required / lamp 200 watts
- 120 VAC 1.7 amps / 240 VAC .84 amps
- 12 VDC 16.7 amps / 24 VDC 8.4 amps



Independent control of each light bank



NIGHT SCAN® AATHERION IQ

The Atherion IQ gives you total control of your scene lighting. Up to 240,000 lumens of LED light can be quickly shifted from spot to floodlight or anything in between, allowing your team to perform the most demanding tasks safely and efficiently.



NIGHT SCAN® SIRION

Sirion LED lamps deliver maximum illumination on Night Scan light towers. These scene lights were designed to optimize the inherent benefits that Night Scan light towers have over the competition. A mix of short and long-range optics insure that the proper level of illumination is provided whether the tower is fully extended to cover the maximum area for a large and diverse scene or lowered to provide intense light on a focused situation.

ESSENTIAL FEATURES

- Consistent and constant illumination from the beginning of the mission until the end is assured by an electronic thermal management system and top bin LEDs
- Water-proof and designed for high-vibration applications
- Compact and highly efficient
- Limited Lifetime Warranty

The three major areas of a nighttime scene are illuminated by Sirion Triple Coverage optics technology:

- The critical work area is illuminated by focused spot light optics
- The apparatus is covered by short-range flood lamps
- The entire scene is evenly illuminated by long-range flood lights

Sirion available on the following light towers:

Night Scan Powerlite: 3.0 and 4.5

Night Scan Vertical Powerlite: 17', 20', 25' and 30'

Total power 1,200 watts

120 VAC / 11 amps, 240 VAC / 5.5 amps

12 VDC / 50 amps, 24 VDC / 25 amps

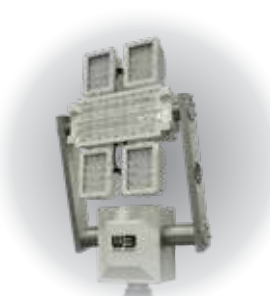
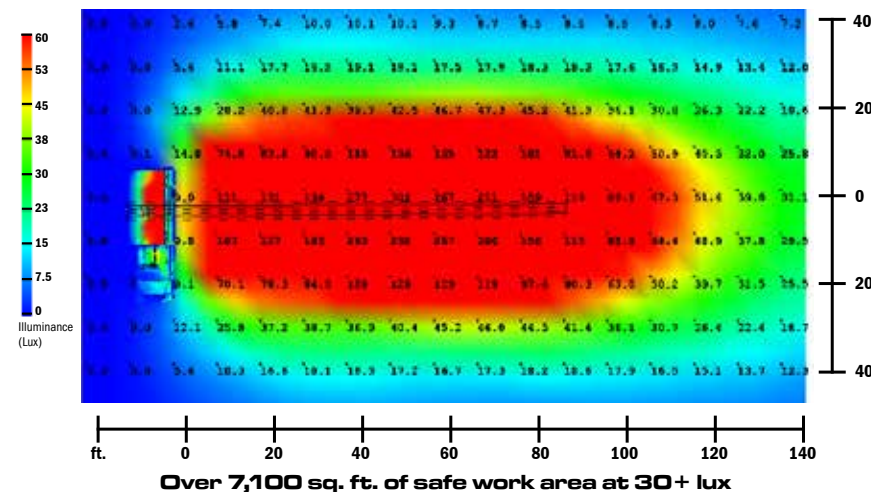
Effective lumens are a true measure of real world light output of a fixture.

Raw lumens don't tell the entire story. Bigger numbers don't always mean more light.

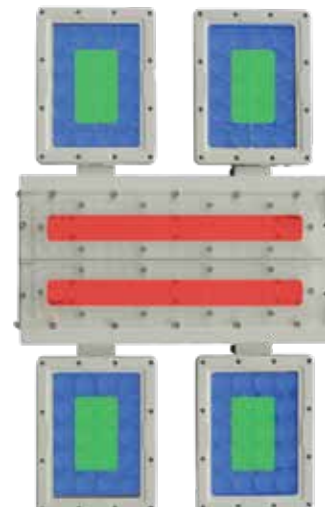
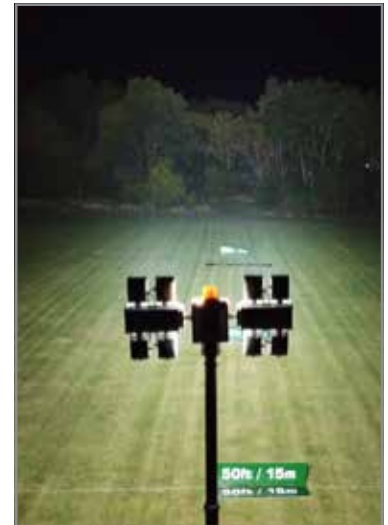
Sirion Light Package

Raw Lumens: 220,000 / Effective Lumens: 122,340

30 LUX of light is considered safe for a work area by NFPA

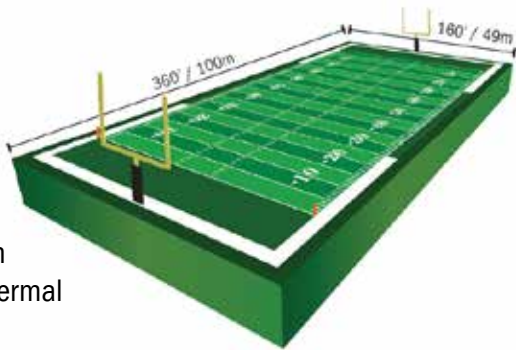


Now Available in narrow Profiler design



NIGHT SCAN® LED LAMPS

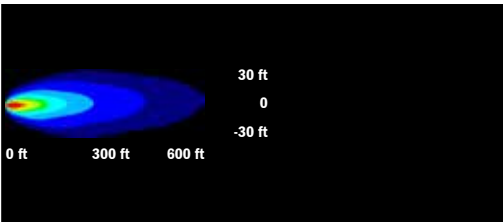
The Night Scan family of LED lamps are the only LED scene lights designed specifically for Night Scan light towers. These lamps are engineered to optimize the inherent benefits of Night Scan towers, producing more light, using less power, and covering larger areas. Reliable in extreme environments, the Night Scan family of LED lamps are IP69K rated for high-pressure spray and are submersible under water. Consistent illumination from the beginning of the mission until the end is assured by an electronic thermal management system, large heat sinks, and top-bin LEDs.



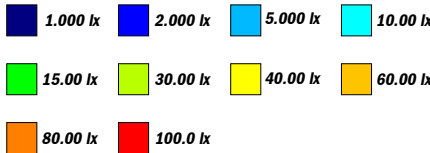
The Night Scan LED lamps deliver maximum lighting performance and will always create light through out the mission. The 220,000 lumen Sirion provides usable light for more than the area of a football field.

MORE LIGHT COVERAGE

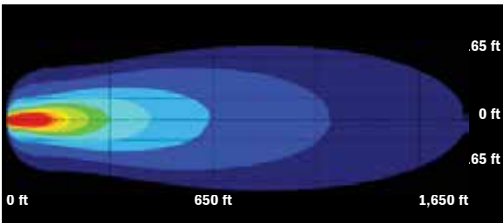
Night Scan X200 - 6 Lights



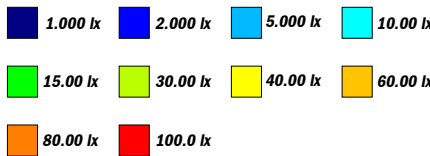
Model	X200
Raw Lumens	20,000 each
Effective Lumens	11,323 each
Warranty	Limited Lifetime
Optics	Double - Spot / Flood



Night Scan Sirion - 12 Lights



Model	Sirion
Raw Lumens	110,000 each
Effective Lumens	61,170 each
Warranty	Limited Lifetime
Optics	Triple - Spot / Short & Long Flood



VALUE-ADDED ACCESSORIES

BEACON LIGHTS

Will-Burt lighting solutions include reliable, compact beacon lights for added visibility and safety. Beacon lights feature a rugged, impact-resistant polycarbonate dome and base, exceptional fiber optics, and a double-flash power supply that automatically adjusts to function at any voltage – from 12V to 24V DC. They meet SAE J1318 Class 3 specifications and are available in LED beacons and a variety of colors: amber, blue, clear, red and green.



REMOTE CONTROLLERS

Will-Burt offers wired and wireless full-function, simple-to-use remote controls. Designed for rugged environments and gloved hands, they can withstand the harshest weather and operating conditions

All controllers have an emergency stop button for immediate reaction to unexpected situations. All controllers have a one button auto-deploy and auto-stow function to simplify tower operation and they also include a digital display for status feedback.

Choose from our handheld tethered models or a panel-mount version. A full-function, wireless / rechargeable remote-control system with 300’ range is available for all Night Scan models. The wireless remote can also be paired with an optional tethered remote control for the ultimate in flexibility and peace of mind operation.



Night Scan Universal Wireless Controller

WIRED REMOTES



Chief and Vertical Complete Powerlite, Xtreme and Vertical

WIRELESS REMOTE



All Night Scan Models

PANEL MOUNT CONTROLS



Chief and Vertical Complete Powerlite, Xtreme and Vertical

D-TEC® LIVE POWER LINE DETECTION SYSTEM

The D-TEC® safety system provides overhead power line detection and above-the-mast illumination. The built-in high voltage, electromagnetic and electrostatic field detection system automatically stops mast extension, providing added protection for the operator and equipment. The D-TEC® safety system is available on powerlite and vertical telescoping masts.

D-TEC® SAFETY FEATURES:

- Dual threshold AC alert, E-Field (current) and H-Field (magnetic)
- Senses both AC current and AC voltage
- 3-axis field detection
- LED Look-Up Light
- Audible alerts
- Alphanumeric LED display
- Built-in Emergency Bypass
- Expanded self-testing features
- Factory pre-set siren and verbal warning in English and Spanish



MOBILE VIDEO SYSTEMS

Will-Burt Night Scan® Light Towers deliver the capability of camera mounting, with or without lights. A camera, elevated to a height from 3.25 ft. to 30 ft. above the vehicle roof, allows ground personnel to survey an emergency scene quickly and efficiently. In addition, the system offers real-time monitoring and surveillance for accurate records and documentation. Will-Burt has several camera and DVR packages that fit a variety of needs. Our video solutions experts can also design a customized package to fit your specific requirements. Below is a sample of our video solutions.



Video Camera	Will-Burt Positionit HD		WONWOO	Viper HD
Camera Type	PTZ HD-SDI	Analog	PTZ - SDI or IP w/Infrared Illuminator	PTZ - IP High Definition
Lens	4.25mm to 170.0mm	8mm / 2.8 mm	4.7mm - 94.0mm	4.3mm - 139.0mm
Image Sensor	2.12MP 1/2.8" type CMOS sensor	Sharp CCD	1/3" 2.2M Pixel CMOS Sensor	2MP CMOS High Definition
Resolution	1920 x 1080	510 x 492 / 420 TV lines	1920 x 1080 pixels - 1080p	1080 x 720
Optical Zoom / Digital Zoom	40x / 32x	Fixed	20x / 12x	30x / 10x
Low Light	Color 0.01 lux / Mono 0.002 lux	0 LUX with 10 IR LED's	0.0005 LUX with 12 IR LED's / 120m	N/A
Pan & Tilt	360° continuous pan / +90° to -90° tilt	No	360° endless pan / 15° - 270° tilt	360° endless pan/tilt
Ingress Protection	IP68 waterproof	IP67 - Waterproof	IP66 - Outdoors	IP67 - Waterproof
Camera Warranty	2 years	1 years	1 years	3 years



HD Video Camera			
Video Camera	Silent Sentinel HD	Silent Sentinel IR HD	Silent Sentinel EV02
Camera Type	PTZ - SDI or IP	PTZ - SDI or IP w/Infrared Illuminator - 100 meters	PTZ - HD-SDI or IP w/Thermal Imager
Lens	4.3mm to 129.0mm		
Image Sensor	1/2.8" type Exmor CMOS sensor		
Resolution	2.13MP		
Optical Zoom / Digital Zoom	30x / 12x		
Low Light	Color 0.01 lux / Mono 0.0008 lux		
Signal System	HD: 1080p (1920 x 1080) SD: NTSC / PAL		
Pan & Tilt	360° pan / +90° to -30° tilt		
Ingress Protection	IP67 - Waterproof		
Communications	Pelco-D, Pelco-P, CBC OCP485, Forward Vision Mic1 FV300, Philips, Vicon		
Camera Warranty	2 years		

Thermal Imager	
Silent Sentinel EV02	
Detector type	Uncooled VOx Microbolometer
Pixel size	12µm
Spectral band	7.5-14µm (LWIR / 8-14µm)
Thermal sensitivity	≤50mK at 25°C, F1.0
Array format	640 x 512
Frequency	50Hz
Image control	Polarity: White hot / Black hot / Various color palettes Orientation: Invert / Revert
Focus	Automatic / manual
Zoom	1x to 8x (0.1 steps)
FOV	13mm
Color options	Black / white

VIDEO CAMERAS

POSITIONIT
PTZ CAMERA



Rugged PTZ Camera with high-powered video imaging

The PositionIt video camera provides pinpoint accuracy and high-powered video imaging options that offer enhanced safety and security. Built on Will-Burt's rugged PositionIt pan and tilt platform, the PositionIt camera system excels when subjected to the harsh conditions experienced by a mobile video system. Seamless functionality is assured with an operating system that integrates seamlessly with the elevation control system.

Specifications

Video Camera	Will-Burt PositionIt HD
Camera Type	PTZ HD-SDI
Lens	4.25mm to 170.0mm
Image Sensor	1/2.8" type Sony CMOS sensor
Resolution	2.12MP
Optical Zoom / Digital Zoom	40x / 32x
Low Light	Color 0.01 lux / Mono 0.002 lux
Signal System	HD: 1080p (1920 x 1080) SD: NTSC / PAL
Pan & Tilt	360° continuous pan / +90° to -90° tilt
Ingress Protection	IP 68 - Waterproof
Communications	Pelco-D, Pelco-P, VISCA
Other Features	Dynamic Noise Reduction, Digital Image Stabilization, Intelligent Motion Detection
Available Colors	Black / White
Camera Warranty	2 years

CAMERA CONTROLLERS

The handheld and 2U rack mount controllers are Pelco-D compatible with programmable home and stow positions. The AC powered rack mount controller provides power and pan and tilt commands to the positioner and is adaptable to contact closure switches for I/O panels. The handheld controller has a keyboard for programming and an LCD screen and can be optionally used in conjunction with the rack mount controller.



RACK MOUNT CONTROLLER



HANDHELD CONTROLLER



NIGHT SCAN LED UPGRADE KITS

New life for your trusted Night Scan light tower

Your apparatus's Night Scan light tower has been there through thick and thin, providing light on the darkest nights and most challenging scenes. You rely on it for your crew's safety and to get the job done right. But those quartz halogen lights.....

We get it, you can no longer trust those halogen bulbs, they just do not last as long as they used to. You want the latest Night Scan with all of its modern tech and those LED lights that are so bright and seem to last forever, but it's just not in the budget right now.

We have just the thing to get extra life and LIGHT out of your Night Scan, an LED Scene Light Upgrade Kit. We have an upgrade kit for nearly every Night Scan we have ever made.

Give us a call and we can help you through the simple process of upgrading your Night Scan.

Available for Do-It-Yourself or Will-Burt Factory Service installation.

nightscan®



Featuring:
 Rechargeable LED lighting
 Remote-Controlled LED Light
 Light Poles and Portable Tripods



Featuring:
 Short-Term Camera Masts
 Roof-Mount, Fold-Down Masts
 Pan and Tilt Camera Positioners
 Mobile Video and Recording



Featuring:
 LED Light Kits to Replace
 Night Scan Halogen Lamps



Will-Burt is the exclusive Fire Dealer and Fire Department distributor of Firetech LED lights.

As a FireTech distributor, Will-Burt has the capability to create a custom lighting plan for your vehicle with both Night Scan and FireTech products. Each plan is constructed with your budget and lighting needs in mind to bring you the best solution possible.



CONTACT YOUR SALES REPRESENTATIVE TODAY



Contact Us
Complete a Contact Form

WILL-BURT NORTH AMERICA
WORLD HEADQUARTERS

401 Collins Boulevard, Orrville, OH USA 44667
Telephone: +1 330 682 7015
Mast Customer Service: +1 330 684 4000
Fax: +1 330 684 1190
Email: info@willburt.com

WILL-BURT ASIA
SINGAPORE SALES OFFICE

1 Fullerton Road, #02-01 One Fullerton,
Singapore 049213
Telephone: +65 6832 5689
Fax: +65 6722 0664 / Email: info@willburt.com

INTEGRATED TOWER SYSTEMS
A WILL-BURT COMPANY

2703 Dawson Road
Tulsa, OK 74110
Telephone: +1 800 850 8535
Fax: +1 918 749 8537
Email: programs@itstowers.com

WILL-BURT
GERMANY

Fischergasse 25
D-91344 Waischenfeld, Germany
Telephone: +49 9202 180
Fax: +49 9202 1811
Email: info@willburt.com

WILL-BURT
TÜRKİYE

Ahi Evran OSB Mahallesi,
Nahcivan Caddesi, No: 8/2, Sincan, Ankara 06935
Telephone: +90 535 662 9060 / Fax: +90 312 502 6970
Email: info@willburt.com

WILL-BURT
UNITED KINGDOM

Unit 5b, Station Approach
Four Marks, Alton Hampshire, GU34 5HN,
United Kingdom
Telephone: +44 (0) 1403 265532
Fax: +44 (0) 1403 259072 / Email: info@willburt.com

CLARK MASTS
A WILL-BURT COMPANY

18-20 Ringwood Road, Binstead, Isle of Wight, PO33 3PA, England
Telephone: +44 (0) 1983 563691/567090
Fax: +44 (0) 1983 566643/811157
E-mail: sales@clarkmasts.com

The Will-Burt Company, headquartered in Orrville, Ohio, USA, is the world's premier manufacturer of mobile telescoping masts, towers and pan and tilt positioners. We offer virtually every mobile payload elevation and integration solution for defense, government, first responders, cellular and mobile, broadcast, energy production and other markets. Will-Burt also offers contract manufacturing, metal fabrication, powder-coating, and rapid prototyping services. Will-Burt is an international company with offices and manufacturing in the USA, England, and Germany along with offices in Singapore and a joint venture in Turkey. All Will-Burt Company manufacturing locations are backed by a certified ISO 9001:2015 Quality Management System. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.