



NIGHTSCAN MOBILE/PORTABLE LIGHT TOWERS

ATHERION^{iQ}
AVAILABLE FALL, 2023

The main image is a large, dark photograph of a light tower at night. The tower is illuminated from within, casting a bright glow. In the background, a construction site is visible with a partially built house. A large, white, stylized 'K' shape is overlaid on the image, separating it into two sections. The top section shows the tower's head and the construction site, while the bottom section shows the tower's base and a large, illuminated area on the ground. The text 'ATHERION^{iQ} AVAILABLE FALL, 2023' is positioned in the upper right corner of the main image. A small inset image in the top right corner shows a close-up of the light tower's head. The 'nightscan^{iQ}' logo is located in the bottom right corner of the main image.



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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.



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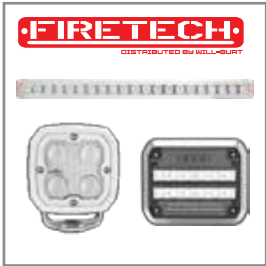
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NIGHT SCAN® CHIEF

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 |
| Profiler - 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



Night Scan® Chief with Profiler 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 220,000 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 or 12 | 4, 6 or 12 |
| Light Type Available | LED | LED | LED |
| Maximum Lumens | 112000 | 220000 | 220000 |
| 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 on-board 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 |

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

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 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 or 12 | 4, 6 or 12 | 4, 6 or 12 | 4, 6 or 12 |
| Light Type Available | LED | LED | LED | LED |
| Maximum Lumens | 220,000 | 220,000 | 220,000 | 220,000 |
| 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



NIGHT SCAN® IQ

The Intelligent Light Tower System

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



The Night Scan Powerlite IQ was tested at -15° F (-26° C) with a ¼" (6mm) of ice



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



Smooth Deploy and Stow with Smart Actuator

ATHERION® IQ

Atherion IQ adjustable scene lights provides the ultimate control of your scene lighting.

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.

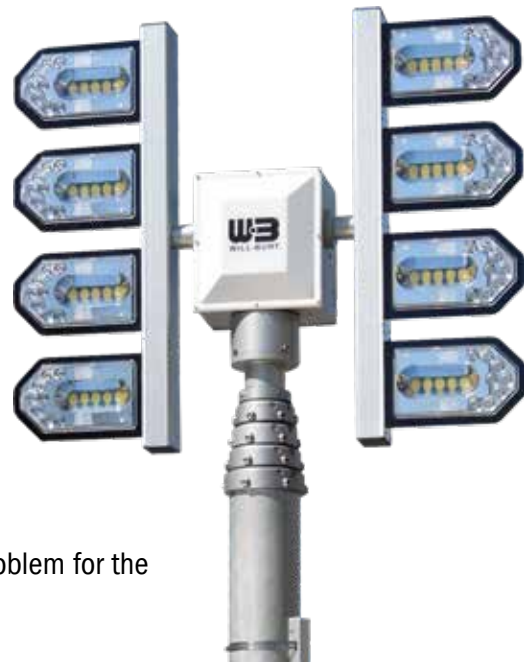
Night Scan Powerlite Dual Tilt action allows you to control two banks of independently. The staging area can be washed with floodlighting by one bank of lights, delivering wide and consistent coverage. The second bank of lights can be directed at the work area such as a car accident where the Atherion 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



ATHERION^{IQ}
Available Fall, 2023



nightscan[®] by Will-Burt

Tower and LED Light Package Options



Chief



Chief Profiler

| Brand | Model | Light Warranty | Lumens / Lamp* | Watts | Voltage | Amps | Tower Height | | | | |
|-----------|--------------------------------|------------------|----------------|-------|----------------------|------------------------|--------------|-------|---------|-------|---------|
| | | | | | | | 1.0 | 1.8 | 2.3 | 1.8 | 2.3 |
| | | | | | | | 3.25 ft. | 6 ft. | 7.5 ft. | 6 ft. | 7.5 ft. |
| WILL-BURT | ATHERION ¹⁰⁰ | Limited Lifetime | 30,000 | 200 | 12 / 24 | 16.7 / 8.4 | | | | | |
| | | Limited Lifetime | 30,000 | 200 | 120 / 240 | 1.7 / .84 | | | | | |
| WILL-BURT | SIRION | Limited Lifetime | 110000 / 6 | 600 | 12 / 24 120 / 240 | 50 / 25 5.5 / 2.75 | | | | | |
| WILL-BURT | WILL-BURT 480 | 2 | 72000 / 6 | 480 | 120 / 240 | 4.0 / 2.0 | | | | | |
| WILL-BURT | WILL-BURT 300 | 2 | 45000 / 4 | 300 | 120 / 240 | 2.5 / 1.3 | | | | | |
| WILL-BURT | WILL-BURT 150 | 2 | 22500 / 2 | 150 | 120 / 240 | 1.3 / .7 | 4 | 4 | 4 | | |
| WILL-BURT | nightscan ^{XL200} | Limited Lifetime | 20000 | 125 | 12 / 24 120 / 240 | 9.2 / 4.6 1.1 / .55 | 2 / 4 | 2 / 4 | 2 / 4 | 2 / 3 | 2 / 3 |
| | | Limited Lifetime | 20000 | 125 | 12 / 24 | 9.2 / 4.6 | 2 / 4 | 2 / 4 | 6 | 2/3 | 2/3 |
| WILL-BURT | WILL-BURT 140 | 5 | 14000 | 50 | 12 / 24 120 / 240 | 4.2 / 2.1 .42 / .21 | 2 / 4 | 2 / 4 | 2 / 4 | | |
| FRC | SPECTRA SPECTRA MAX | 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 | | |
| FRC | SPECTRA SPECTRA MAX | 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 | | |
| FRC | SPECTRA | Limited Lifetime | 20000 | 230 | 12 | 18.3 | | 2 | 2 | | |
| | | | | 230 | 24 | 9.2 | | 2 | 2 / 4 | | |
| | | | | 230 | 120 / 240 | 2 / 1 | | 2 | 2 / 4 | | |
| FRC | EVOLUTION | Limited Lifetime | 20000 | 160 | 12 | 13 | | 2 / 4 | 2 / 4 | | |
| | | | | 160 | 24 | 6.5 | | 2 / 4 | 2 / 4 | | |
| WHELEN | Pioneer Plus Spot / Flood | 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 |
| WHELEN | Pioneer Plus Max | 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.



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

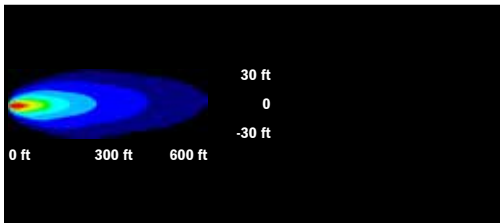
Tower Height


| 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 | 4 / 6 | 4 / 6 | 3 | 3 | | | 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 |
| | | | | | | | 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 / 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 / 6 | 4 / 6 | 3 | 3 | 4 / 6 | 2 / 4 | 2 / 4 | 4 / 6 | 4 / 6 | 4 / 6 | 4 / 6 |
| | 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 |

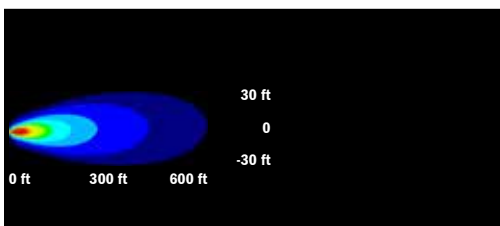
NIGHT SCAN® LED LAMPS


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.

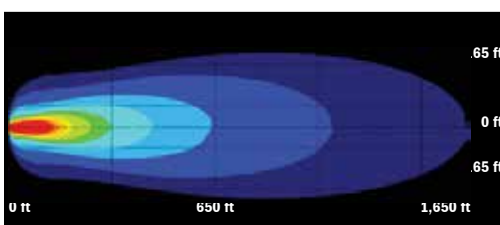
| Model | X200 |  |
|------------------|-----------------------|---|
| Raw Lumens | 20,000 each | |
| Effective Lumens | 11,323 each | |
| Warranty | Limited Lifetime | |
| Optics | Double - Spot / Flood | |



| Model | XL200 |  |
|------------------|-----------------------|---|
| Raw Lumens | 20,000 each | |
| Effective Lumens | 11,362 each | |
| Warranty | Limited Lifetime | |
| Optics | Double - Spot / Flood | |

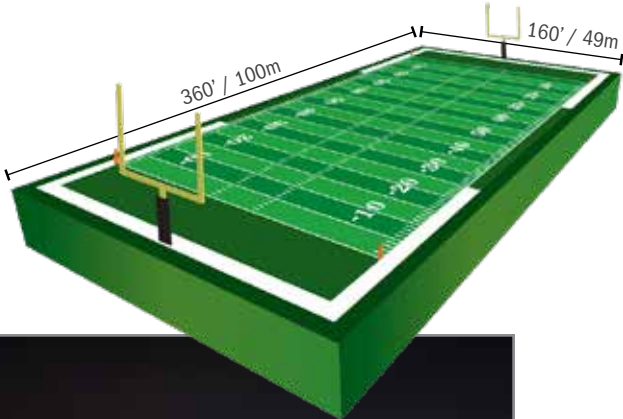


| Model | Sirion |  |
|------------------|------------------------------------|---|
| Raw Lumens | 110,000 each | |
| Effective Lumens | 61,170 each | |
| Warranty | Limited Lifetime | |
| Optics | Triple - Spot / Short & Long Flood | |



MORE LIGHT COVERAGE

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.



NIGHT SCAN® ATHERION 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.

ATHERION^{IQ}

80° Flood / 20° Spot @ 300'



50° Flood / 50° Spot @ 300'



30° Flood / 70° Spot @ 300'



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:

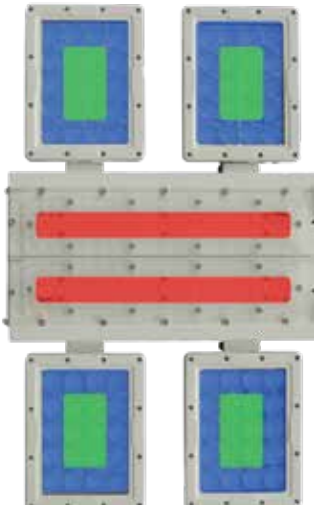
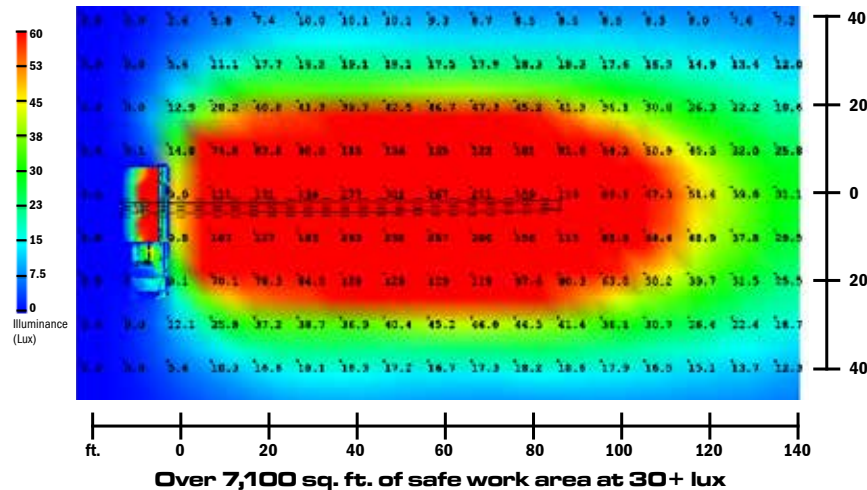
Night Scan Powerlite: 3.0 and 4.5
 Night Scan Vertical Powerlite: 17', 20', 25' and 30'

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



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



POSITIONIT[®]

CAMERA

POSITIONIT CAMERA

Video Camera / Thermal Imager

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.

| PositionIt Camera | | |
|---------------------------------|---|----------------|
| Full HD Resolution | 1080p / 2.13MP | |
| Zoom: Optical / Digital / Total | 40x / 32x / 1,280x | |
| Lens | 4.25~170.0mm(40x) zoom | |
| Housing Glass | Sheds water and dirt - Hydrophilic coating | |
| Image Sensor | 1/2.8" type CMOS sensor | |
| Low Light | Color 0.01 lux | B/W: 0.001 lux |
| Pan & Tilt | 360° continuous pan / +90° to -90° tilt | |
| Ingress Protection | IP68 waterproof | |
| Communication | Pelco D/P, VISCA | |
| Other Features | Heater, Dynamic Noise Reduction, Digital Image Stabilizer | |
| Available Colors | Black | Grey |



HANDHELD CONTROLLER

- Includes LCD screen, keyboard and programmable presets that simplify operation
- Input Voltage 12V DC
- Communication Interface RS485
- Operating Temperature 32°F to 122°F / 0°C to 50°C



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.



| Feature | | WONWOO - IR | Viper HD | PositionIt Camera |
|-----------------------------|--------------------------|--|---------------------------|---|
| Camera Type | Analog | PTZ - SDI or IP w/Infrared Illuminator | PTZ - IP High Definition | PTZ - IP w/Infrared |
| Lens | 8mm / 2.8 mm | 4.7mm - 94.0mm | 4.3mm - 139.0mm | 4.25~170.0mm(40x) zoom |
| Image Sensor | Sharp CCD | 1/3" 2.2M Pixel CMOS Sensor | 2MP CMOS High Definition | 1/2.8" type CMOS sensor |
| Resolution | 510 x 492 / 420 TV lines | 1920 x 1080 pixels - 1080p | 1080 x 720 | 1080p / 2.13MP |
| Optical Zoom / Digital Zoom | Fixed | 20x / 12x | 30x / 10x | 40x / 32x / 1,280x |
| Low Light | 0 LUX with 10 IR LED's | 0.0005 LUX with 12 IR LED's / 120m | N/A | Color 0.01 lux B/W: 0.001 lux |
| Pan & Tilt | No | 360° endless pan / 15° - 270° tilt | 360° endless pan and tilt | 360° continuous pan / +90° to -90° tilt |
| Ingress Protection | IP67 - Waterproof | IP66 - Outdoors | IP67 - Waterproof | IP68 waterproof |



2 Camera System

Video + Thermal

| Feature | Silent Sentinel Oculus HD | Silent Sentinel Oculus IR HD | Video Camera Feature | Silent Sentinel Oculus TI HD | Thermal Camera Feature | Specification |
|-----------------------------|---|---|-----------------------------|---|------------------------|--|
| Camera Type | PTZ - SDI or IP | PTZ - SDI or IP w/Infrared Illuminator - 100 meters | Camera Type | PTZ - SDI or IP | Sensor type | Uncooled VOx Microbolometer |
| Lens | 4.3mm to 129.0mm | 4.3mm to 129.0mm | Lens | 4.3mm to 129.0mm | Pixel size | 17µ |
| Image Sensor | 1/2.8" type Exmor CMOS sensor | 1/2.8" type Exmor CMOS sensor | Image Sensor | 1/2.8" type Exmor CMOS sensor | Spectral band | 8-14µm |
| Resolution | 2.13MP | | Resolution | 2.13MP | Thermal sensitivity | <50mK |
| Optical Zoom / Digital Zoom | 30x / 12x | 30x / 12x | Optical Zoom / Digital Zoom | 30x / 12x | Array format | 320 x 240 or 640 x 480 |
| Low Light | Color 0.01 lux / Mono 0.0008 lux | | Low Light | Color 0.01 lux Mono 0.0008 lux | Frames rates | 9Hz, 30Hz |
| Signal System | HD: 1080p / SD: NTSC/PAL | | Signal System | HD: 1080p / SD: NTSC/PAL | Image control | White hot, Black hot, Invert Fixed, preset, Athermalised |
| Pan & Tilt | 360° pan / +90° to -30° tilt | | Pan & Tilt | 360° pan / +90° to -30° tilt | Focus | E-zoom 1-4, Region of interest |
| Ingress Protection | IP67 - Waterproof | | Ingress Protection | IP67 - Waterproof | Zoom | |
| Communications | Pelco-D, Pelco-P, CBC OCP485, Forward Vision Mic1 FV300, Philips, Vicon | | Communications | Pelco-D, Pelco-P, CBC OCP485, Forward Vision Mic1 FV300, Philips, Vicon | FOV | 19mm (other FOV available) |
| Camera Warranty | 2 years | | Camera Warranty | 2 years | | |

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.

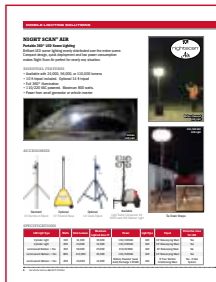
Give us a call and we can help you through the simple process of upgrading your Night Scan.

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

nightscan®



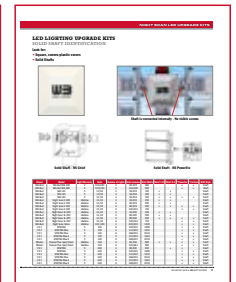
Featuring:
 Portable Pump-Up Light Mast
 Quick Deploy 360° LED Light
 Remote-Controlled LED Light
 Light Poles and Portable Tripods



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



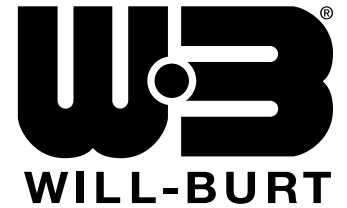
Will-Burt is the exclusive Fire Dealer and Fire Department distributor of Firetech LED lights.



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



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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.