RECOVERY AND WORK TRUCK LIGHTING SOLUTIONS

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INNOVATION ELEVATED®

Will-Burt is the world's leading manufacturer of light towers. A line of fully integrated mobile lighting towers, the Night Scan® HDT Series, has been designed specifically for the towing, recovery and service truck industry.

WILL-BURT

The Night Scan® HDT Series has been engineered and manufactured in the USA for the harsh environments and extreme conditions experienced by the your industry. Field proven across the country and around the world, the Night Scan® HDT is ready to become an important tool in your arsenal of equipment, improving the safety and efficiency of operations by turning night into day.

THE ADVANTAGES OF THE NIGHT SCAN® HDT SERIES

- Safety of nighttime recovery operations is enhanced with 360° of overhead light...turning night into day!
- Speed of safe recovery operations is increased with lighting that is in place and on in 15 seconds
- Years of service with maintenance-free design
- Fast Return on Investment
  - Increase your Revenue
  - Average charge per hour = $250
- Record recovery scene events
  - Proof for insurance
  - Accurate billing

- Eliminates the need for a lighting trailer – light is always with the wrecker
- No generator required and self-contained system
- Retrofit to existing vehicle or install on a new build with small footprint
- Easy and fast operation with automatic deployment and stowing
- LED lights with a limited lifetime warranty Night Scan X 200 and Sirion
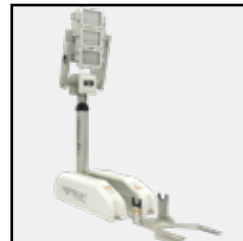
CONTENTS

HEAVY WRECKERS / LARGE TRUCKS

HEAVY WRECKERS / LARGE TRUCKS

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ROLLBACKS, TOW & UTILITY TRUCKS

ROLLBACKS, TOW & UTILITY TRUCKS

NIGHT SCAN HDT SCENE LIGHTING

NIGHT SCAN®
POWERLITE HDT

HEAVY WRECKERS & LARGE TRUCKS

ESSENTIAL FEATURES

- Improves nighttime safety and efficiency
- Increases Revenue
- No generator required, works from vehicle power
- Generates up to 220,000 lumens with optional Sirion LED light package featuring triple coverage optics
- Full indepedent rotation and tilt of both banks of lights - 360° of light
- Rapid recovery scene illumination in 15 seconds with the touch of one button
- Includes everything needed for installation
- For new installs or retrofit
- Optional wireless remote
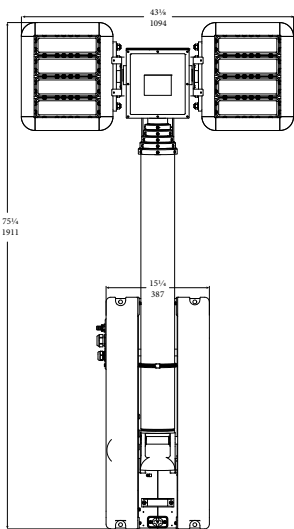- Optional video and recording

SPECIFICATIONS

Powerlite HDT	WB 300	Sirion
Height Extended	15 ft.	
Total Lumens	90,000	220,000
Weight	175 lbs.	
Footprint of Stowed System	75¼" L x 43⅛" W x 12" H	
Tower Warranty	2 Years	
Light Warranty	2 Years	Limited Lifetime
Color Option	Standard color white. Black option for additional charge.	

HEAVY WRECKERS & LARGE TRUCKS

INSTALLATION DIMENSIONS

WB 300
720030054

Sirion
720030034

Included
Handheld Wired
Controller

Optional
Universal Wireless
Controller

Optional LED Beacon Lights
(Amber, Blue, Clear, Red or Green)

NIGHT SCAN® POWERLITE VERTICAL HDT

HEAVY WRECKERS & LARGE TRUCKS

ESSENTIAL FEATURES

- Improves nighttime safety and efficiency
- Increases Revenue
- No generator required, works from vehicle power
- Needs only 12" for installation
- Generates up to 220,000 lumens with optional Sirion LED light package featuring triple coverage optics
- Full indepedent rotation and tilt of both banks of lights - 360° of light
- Rapid recovery scene illumination in 15 seconds with the touch of one button
- Includes everything needed for installation
- For new installs or retrofit
- Optional wireless remote
- Optional video and recording

SPECIFICATIONS

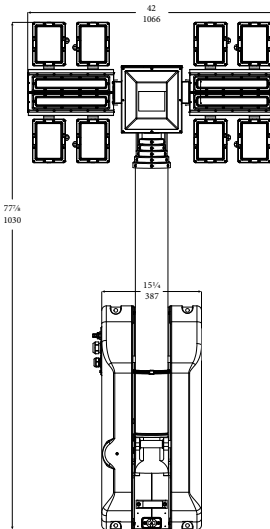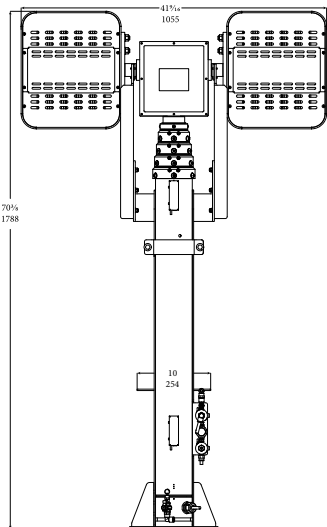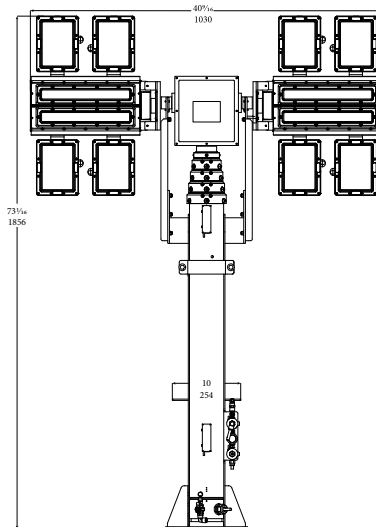| Powerlite Vertical HDT	WB 300	Sirion
Height Extended	15 ft.	
Total Lumens	90,000	220,000
Weight	175 lbs.	
Footprint of Stowed System	70⅜" L x 43⅛" W x 12" D	
Tower Warranty	2 Years	
Light Warranty	2 Years	Limited Lifetime
Color Option	Standard color white. Black option for additional charge.	

HEAVY WRECKERS & LARGE TRUCKS

INSTALLATION DIMENSIONS

WB 300
720030054

Sirion
720030034

Included
Handheld Wired
Controller

Optional
Universal Wireless
Controller

Optional LED Beacon Lights
(Amber, Blue, Clear, Red or Green)

NIGHT SCAN® POWERLITE PROFILER HDT

ESSENTIAL FEATURES

- Improves nighttime safety and efficiency
- Increases Revenue
- No generator required, works from vehicle power
- Narrow profile saves space
- Generates up to 110,000 lumens with optional Sirion LED light package featuring triple coverage optics
- Full rotation and tilt control of lights
- Rapid recovery scene illumination in 15 seconds with the touch of one button
- Includes everything needed for installation
- For new installs or retrofit
- Optional wireless remote

SPECIFICATIONS

Powerlite Profiler HDT	Sirion
Height Extended	12 ft.
Total Lumens	110,000
Weight	165 lbs.
Footprint of Stowed System	78⅞" L x 20¼" W x 13¼" D
Tower Warranty	2 Years
Light Warranty	Limited Lifetime
Color Option	Standard color white. Black option for additional charge.

HEAVY WRECKERS & LARGE TRUCKS

INSTALLATION DIMENSIONS

Sirion
721088015

Included
Handheld Wired
Controller

Optional
Universal Wireless
Controller

NIGHT SCAN® CHIEF HDT

ROLLBACKS, TOW & UTILITY TRUCKS

ESSENTIAL FEATURES

- Improves nighttime safety and efficiency
- Increase Revenue
- No generator required, works from vehicle power
- Built-in compressor – no truck air needed
- Generates up to 80,000 lumens with Night Scan X 200 Spot and Flood LED lights
- Full rotation and tilt of both lights
- Rapid recovery scene illumination
- Includes everything needed for installation
- For new installs or retrofit
- Optional wireless remote
- Optional video and recording

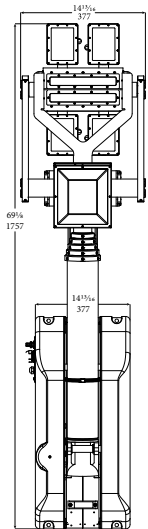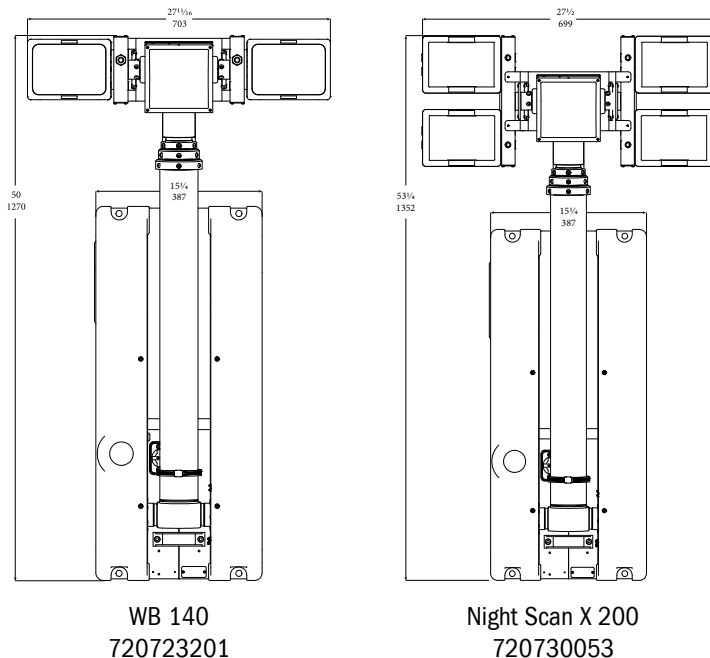## SPECIFICATIONS

Chief HDT	WB 140	X 200
Height Extended	7.5 ft.	
Total Lumens	28,000	80,000
Weight	95 lbs.	122 lbs.
Footprint of Stowed System	51¹³⁄₁₆" L x 28¼" W x 9⅜" D	53¼" L x 27½" W x 9⅜" D
Tower Warranty	2 Years	
Light Warranty	5 Years	Limited Lifetime

INSTALLATION DIMENSIONS

WB 140
720723201

Night Scan X 200
720730053

Included
Handheld Wired
Controller

Optional
Universal Wireless
Controller

Optional
LED Beacon Lights
(Amber, Blue, Clear, Red or Green)

NIGHT SCAN® CHIEF VERTICAL HDT

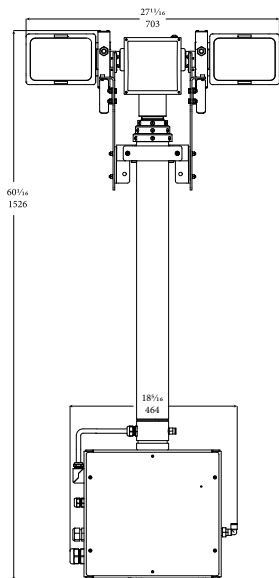## ROLLBACKS, TOW & UTILITY TRUCKS

ESSENTIAL FEATURES

- Improves nighttime safety and efficiency
- Increases Revenue
- No generator required, works from vehicle power
- Narrow profile saves space
- Generates up to 80,000 lumens with Night Scan X 200 Spot and Flood LED lights
- Full rotation and tilt control of lights
- Rapid recovery scene illumination in 15 seconds with the touch of one button
- Includes everything needed for installation
- For new installs or retrofit
- Optional wireless remote

SPECIFICATIONS

Chief Vertical HDT	WB 140	X 200
Height Extended	7.5 ft.	
Total Lumens	28,000	80,000
Weight	95 lbs.	122 lbs.
Footprint of Stowed System	51¹³⁄₁₆" L x 28¼" W x 9⅜" D	53¼" L x 27½" W x 9⅜" D
Tower Warranty	2 Years	
Light Warranty	5 Years	Limited Lifetime

INSTALLATION DIMENSIONS

Night Scan WB 140
720088079

Night Scan X 200
720088085

Included
Handheld Wired
Controller

Optional
Universal Wireless
Controller

Optional
LED Beacon Lights
(Amber, Blue, Clear, Red or Green)

NIGHT SCAN® CHIEF PROFILER HDT

ROLLBACKS, TOW & UTILITY TRUCKS

ESSENTIAL FEATURES

- Improves nighttime safety and efficiency
- Increases Revenue
- No generator required, works from vehicle power
- Narrow profile saves space
- Built-in compressor – no truck air needed
- Generates up to 60,000 lumens with Night Scan X 200 Spot and Flood LED lights
- Full rotation and tilt control of lights
- Rapid recovery scene illumination
- Includes everything needed for installation
- For new installs or retrofit
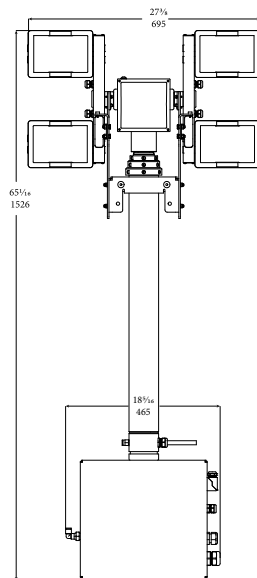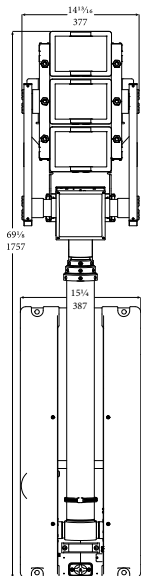- Optional wireless remote

SPECIFICATIONS

Chief Profiler HDT	X 200
Height Extended	7.5 ft.
Total Lumens	60,000
Weight	122 lbs.
Footprint of Stowed System	53¼" L x 27½" W x 9⅜" D
Tower Warranty	2 Years
Light Warranty	Limited Lifetime

INSTALLATION DIMENSIONS

14¹³⁄₁₆
377

69¼
1757

15¼
387

Night Scan X 200
720795051

Included
Handheld Wired
Controller

Optional
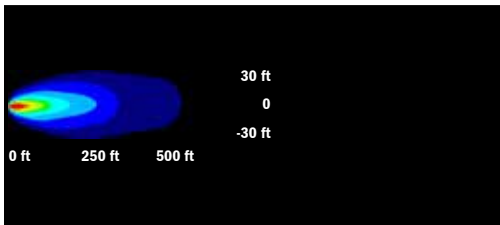Universal Wireless
Controller

Optional
LED Beacon Lights
(Amber, Blue, Clear, Red or Green)
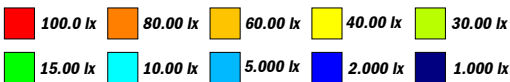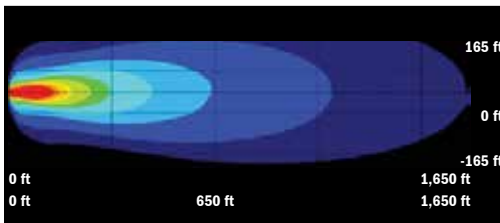
NIGHT SCAN® LED LAMPS

Night Scan® X 200 and Sirion 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, Night Scan LED lamps are IP69K rated for high-pressure spray and are submersible under water. Both lights carry a limited lifetime warranty.

Model	X 200
Raw Lumens	20,000 each
Effective Lumens	11,323 each
Warranty	Limited Lifetime
Optics	Double – Spot / Flood

Night Scan X200 - 4 Lights

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

Night Scan Sirion - 12 Lights

100.0 lx	80.00 lx	60.00 lx	40.00 lx	30.00 lx
15.00 lx	10.00 lx	5.000 lx	2.000 lx	1.000 lx

NIGHT SCAN HDT SCENE LIGHTING

The Night Scan line of rugged, Heavy-Duty Towing LED Lights are built for your world. The tough and compact, aluminum housing coupled with ultra-bright Cree LEDs makes it the perfect light for any application. From fog lights to roof rack, work light and reverse lighting, Night Scan's HDT LED lights combine usability with affordability to create the ultimate lighting solution. The HDT Series lights come standard with a single bolt mounting bracket, wiring harness, and 2-year warranty.
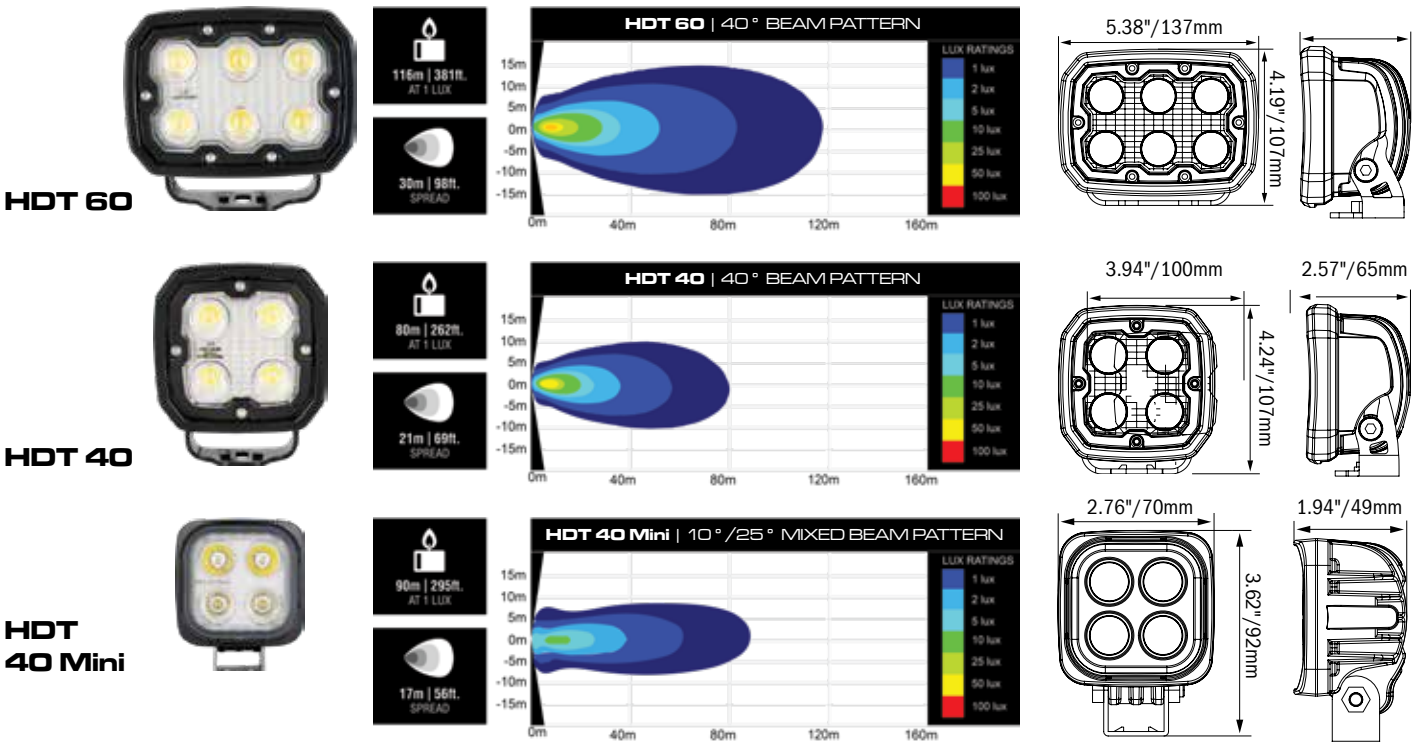
ESSENTIAL FEATURES

- Cast Aluminum Housings & Polycarbonate Lenses
- Extreme Output / Long-Life LEDs
- Water-proof (IP69k) Housing with Weather-proof Connectors
- Two-year Warranty
- Ultra Bright Cree LEDs
- Single Bolt Trunnion Bracket

SPECIFICATIONS

Model	WB 140	HDT 60	HDT 40	HDT 40 Mini
LED	(27) 1.8W	(6) 5W CREE	(4) 5W CREE	(4) 3W CREE
Beam Pattern	60°	40°	40°	10°/25° Mixed Beam
Raw Lumens (lm)	14,000	3,686	2,112	2,000
Effective Lumens (lm)	8,350	2,590	1,480	950
Usable Light Distance at 1 Lux	328 ft. / 100m	381 ft. / 116m	262 ft. / 80m	295 ft. / 90m
Watts	50W	30W	20W	12W
Amp Draw @12V	4.2A	2.5A	1.67A	1A
Input Voltage	10-32V DC	11-65V DC	11-65V DC	11-65V DC
Size (W x H x D)	7.60" x 5.55" x 1.65"	5.38" x 4.19" x 2.72"	3.94" x 4.42" x 2.57"	2.75" x 3.62" x 1.94"
Weight	2.75 lb / 1.25 kg	2.63 lb / 1.2 kg	1.50 lb / .68 kg	.88 lb / 0.4 kg

ENGINEERING SPECIFICATIONS

HDT 60

116m | 381ft. AT 1 LUX
30m | 98ft. SPREAD

HDT 60 | 40° BEAM PATTERN
5.38"/137mm
4.19"/107mm

HDT 40

80m | 262ft. AT 1 LUX
21m | 69ft. SPREAD

HDT 40 | 40° BEAM PATTERN
3.94"/100mm
2.57"/65mm
4.24"/107mm

HDT 40 Mini

90m | 295ft. AT 1 LUX
17m | 56ft. SPREAD

HDT 40 Mini | 10°/25° MIXED BEAM PATTERN
2.76"/70mm
1.94"/49mm
3.62"/92mm

NIGHT SCAN HDT UNITE MODULAR LED LIGHT BAR

The Night Scan HDT Unite Modular LED Light Bar System brings lighting power and customization to the forefront with extensive configuration possibilities. Choose a Length (12", 20", 30", 40" 50"), Straight or Curved Mounting Rail. Then choose any combination of 3" LED Modules White or Amber, Spot or Flood that each slide-on and connect with no tedious wiring.

ESSENTIAL FEATURES

- Endless Lighting Configurations
- Straight And Curved Bar Styles
- Amber and White LED Options
- Spot And Flood Beam Pattern Options
- Clear And Black-Out Faceplate Styles
- 6", 12", 20", 30", 40", 50" Lengths
- Adjustable Aiming End Cap Wing Mounts
- Quick Connect Rail System
- IP-68/69K Rated Housing

SPECIFICATIONS (PER MODEL)

Model	White LED	Amber LED
LED	5W CREE	3W CREE Amber
Raw Lumens	2,112lm	510lm
Watts	20W	12W
Amp Draw	1.67A	1A
Input Voltage	11-32V DC	
IP Rating	IP68/69K	
Dimensions	2.76" x 2.76" x 2.76"	
Beam Pattern	Broad Spot & Flood	
Length Options	6", 12", 20", 30", 40", 50"	
Warranty	Limited Lifetime	

UNITE MODULAR LED LIGHT BAR

BROAD SPOT BEAM

FLOOD BEAM

BEAM PATTERN

CUSTOMIZE MODULES
Choose between 8 different modules giving you complete control over your lighting.

QUICK CONNECT RAIL
Easily switch between modules to match your lighting style.

ADJUSTABLE AIMING
Slotted heavy duty wing mounts allow for precise lighting placement.

UNITE
LENGTH & STYLE OPTIONS

STRAIGHT BAR
6" | 12" | 20" | 30" | 40" | 50"

CURVED BAR
20" | 30" | 40" | 50"

UNITE
MODULE STYLE OPTIONS

LED COLOR OPTIONS
Amber or White

BEAM PATTERN OPTIONS
Flood or Spot

FACEPLATE OPTIONS
Blackout or Clear

PI-LIT LED SMART FLARES
SEQUENTIAL HAZARD WARNING LIGHTS

The Night Scan HDT Unite Modular LED Light Bar System brings lighting power and customization to the forefront with extensive configuration possibilities. Choose a Length (12", 20", 30", 40" 50"), Straight or Curved Mounting Rail. Then choose any combination of 3" LED Modules White or Amber, Spot or Flood that each slide-on and connect with no tedious wiring.

ESSENTIAL FEATURES

- Automatic synchronization of lights with no programming
- Rapid Deployment System automatically turns on lights when removed from carrying case
- Tilt sensor directs light output optimizing driver awareness
- Mode Memory saves light pattern, deployment order and activation settings for next operation
- Pair Mode syncs single or multiple lights

- Battery status check with push of a button
- 20+ hour runtime and 6 hour charge time with Lithium-ion rechargeable battery
- IP66 water and dust rating
- Withstands weights up to 30,000 lbs.
- Available in 6 and 10 packs with orange, blue, or red flares
- 2-Year warranty

Supplied with:
Carrying case | DC 12/24V Vehicle Charger
AC 110/240V Wall Charger

Optional Accessories:
Cone mount (6 Pack): 5873801
Cone mount (10 Pack): 5873701

SPECIFICATIONS

Pi-Lit Smart Flares		
Run Time	20+ hour runtime (flash pattern dependent)	
Mode	4 flash patterns: 2 sequential, 1 simultaneous, 1 steady-burn	
Charging Time	6 hours from a completely depleted battery	
Ingress Protection	IP66	
Flare Dimensions (in. / mm)	4.25 x 3.5 x 1 / 108 x 89 x 25.4	
Weight	Flare: .5 lbs. / .02 kg	
Code	Blue 6 Pack	5873601
	Blue 10 Pack	5873501
	Orange 6 Pack	5873401
	Orange 10 Pack	5873301
	Red 6 Pack	5891001
	Red 10 Pack	5890901

Smart Sequential Road Flares safely alert traffic around the scene with highly visible LEDs from up to 3,281 ft. / 1,000m
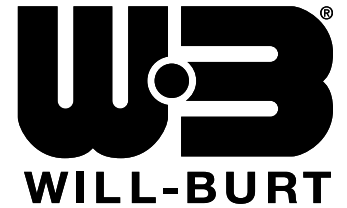
10 Pack: Red, Blue, and Orange Flares

6 Pack: Red, Blue, and Orange Flares

Magnetic Cone Adapter securely mounts single or multiple flares on top or both sides of the cone.

CONTACT YOUR SALES REPRESENTATIVE TODAY

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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.

ISO 9001:2015

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