

EUROPEAN CATALOGUE

PROFESSIONAL WARNING AND LIGHTING

UNECE R65 & R10 Compliant Products

WHELEN ENGINEERING COMPANY, INC.



WHELEN[®]
ENGINEERING COMPANY INC.

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Visit us at [whelen.com](https://www.whelen.com)

To learn about our full line of emergency lighting and warning products.



To download WeCad™, Whelen Command®, and Pioneer™ Designer go to [whelen.com/software-downloads](https://www.whelen.com/software-downloads)

ABOUT WHELEN



Whelen designs and manufactures reliable and powerful warning lights, white illumination lighting, sirens, controllers, and high-powered warning systems for Automotive, Aviation, and Mass Notification industries worldwide.

Whelen products are designed and manufactured in America and tested on-site to meet the toughest industry certifications. Whelen manufactures a wide range of European-certified products that conform to UNECE Regulation 65 and Regulation 10. Distribution and final assembly of products is completed at Whelen's European facility.

@WhelenENG



Chester, Connecticut facility



Charlestown, New Hampshire facility

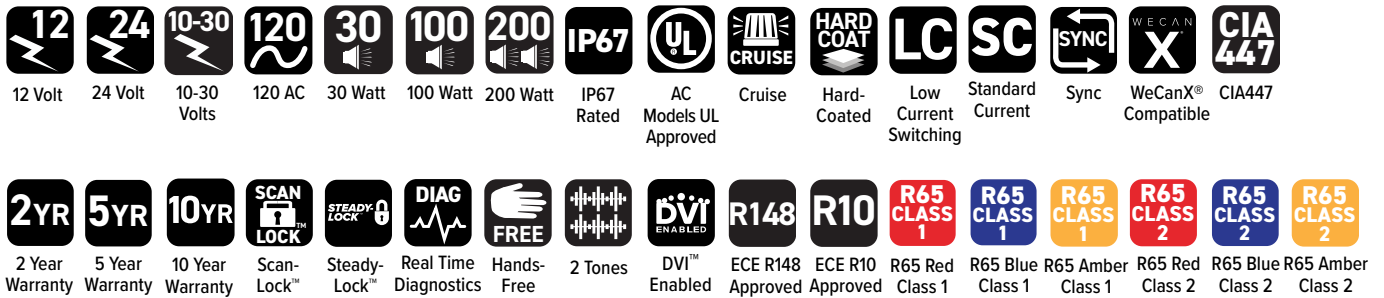


Nysa, Poland facility



Brisbane, Australia facility

ICON LEGEND



TECH GLOSSARY

BroadBand Blue™

BroadBand Blue delivers a higher intensity, creates a larger optical image, and produces a more consistent color, all while being easier on the eyes - especially at night.

Conformal Coating

A thin material that conforms to the contours of the PCB to protect the electronic components from harsh environments and impact.

DUO™

Two-color interleaved LEDs

DUO+™

Two-color interleaved LEDs with independent control of color one and color two

DVI™

DVI patterns gradually increase and decrease warning light intensity, which better conveys visual information to approaching motorists at night. These patterns clearly indicate when a vehicle is parked and improves a driver's ability to safely navigate around a work zone.

DYAD™

Two-level technology

Encapsulated

Lighthoods are fully encapsulated for moisture and vibration resistance.

Hard-Coat

Whelen's industry-first innovative Hard-Coating process counteracts the effects of environmental and chemical damages to our lenses and domes.

Linear-LED® - (Super-LED®)

Whelen's optimized use of the latest generation of LEDs and unique reflector optics to produce highly intense light that has superior wide-angle visibility and rivals strobe in performance.

Low Current

Low current function wires require less than 0.25 amp to operate, allowing for simple operation of each lightbar function.

ProFocus™

Whelen's innovative single optic LED technology that can be customized and programmed as a spotlight or floodlight, with no moving parts.

Proclera® Silicone Optics

Whelen's innovative and efficient solution to distorted optical shape and fringe lighting. Proclera Optics feature 100% internal silicone optic technology, an increased ability to harness LED output and better direct and focus light, and a fully-filled square TIR optic to increase optic efficiency compared to a conventional circular TIR.

Rota-Beam™

Solid-state "rotating" technology, simulating the appearance of a rotating beacon without any moving parts or motors for long-life reliability.

Scan-Lock™

Whelen's advanced method of changing a products flash pattern. Scan-Lock utilizes an external wire to allow the user to cycle through the entire range of flash patterns, allowing for full customization.

Scan-Lock+™

The Scan-Lock+ app is the simplest way to change Whelen flash patterns. Designed for optimal convenience, Scan-Lock+ features an easy to use interface and utilizes a Bluetooth connection. Download the Scan-Lock+ app and browse, test, and assign Whelen flash patterns right from your phone.

SmartLED®

Whelen's distinctive use of self-contained electronics to power and flash a particular LED product. These products require no external flasher, ballast, or power supply to operate.

SOLO™

Single-color LEDs

Split

Two-color lighthouse where each color fills half of the reflector

Standard Current

Lightbar functions are wired directly to the switching device and require switches that are matched to the current draw of the desired functions to be activated.

Steady-Lock™

A new feature in warning lighthoods that allows an installer to set the flash pattern to Steady automatically, when used with one of Whelen's CenCom Core® control systems.

Super-LED®

Whelen's innovative LED technology

Sync

Sync provides the ability to connect multiple Whelen devices to flash together or in alternating patterns. Products with this capability allow the user to create coordinating flashing schemes.

TIR™ - (Total Internal Reflection)

Whelen's optimized use of the latest generation of LEDs and unique reflector optics to produce highly intense light that can be directional in nature.

TRIO™

Three-color interleaved with independent control of color one, color two, and color three

WeCad™

Engineered for optimal accessibility, WeCad lightbar designer delivers the ability to design custom Whelen lightbars with every available option. Adding R65 compliant options is simple, and a bill of materials will be generated to make ordering fast and easy.

WeCanX®

Whelen's smartest and most powerful CAN-based communication system. WeCanX provides true system synchronization, greater speed capabilities, expanded peripheral add-ons, and full support of diagnostics.

UNECE R65 Compliance Reference

	R65 Amber Class 1	R65 Amber Class 2	R65 Blue Class 1	R65 Blue Class 2	R65 Red Class 1	R65 Red Class 2
BEACONS						
L31 Series				●		
L32 Series			●			
L41 Series	●			●		
R416 Series				●		
LIGHTBARS						
Legacy® Series	●			●		●
Liberty™ II Series	●			●		●
Freedom® IV Series		●		●		
Justice® Series	●			●		
Century™ Series	●		●			
9X Series		CS		CS		CS
2250 Series		CS		●		●
MINI LIGHTBARS						
Mini Legacy Series	●			●		●
Mini Liberty II Series	●			●		
Mini Freedom IV Series		●		●		
Mini Justice Series	●			●		
Mini Century Series			●			
LIGHTHEADS						
ION™ Series	●			●		
ION DUO™ Series			●		●	
ION V-Series™	●		●		CS	
ION T-Series™	●		●	●	●	●
ION Mini T-Series	●		●	●	●	●
LINZ6™ Series		●		●		
M2 Series				●		
M4 Series		●		●		●
M6 Series		●		●		
M7 Series		●		●		●
Vertex™ Super-LED® Light	●		●			

CS = Certification Coming Soon!

Beacon Mounting Options



Permanent Mount



Magnetic Mount



Magnetic/Suction Mount



Triple Mount



Pole Mount
(Pole Not Included)



Motorcycle Pole Mount

MOUNTING OPTIONS

	Perm Mount	Mag Mount	Suction Mount	Triple Mount	Pole Mount	Motorcycle Mount
L21 Series	●	●	●		●	
L22 Series	●	●	●		●	
L31 Series	●	●	●			
L32 Series	●	●	●			
L10 Series	●	●	●		●	●
L41 Series	●	●	●	●	●	●
R316 Series	●	●	●			
R416 Series	●	●	●	●		



BEACONS

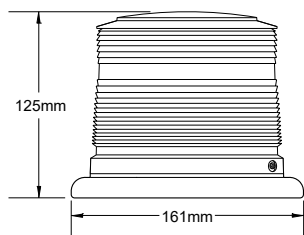


L21 & L22 Series

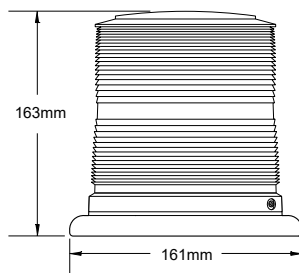


FEATURES

- High and low dome models
- Polycarbonate dome
- Polycarbonate base
- Solid-state electronics
- Fully encapsulated



L22 Low Dome



L21 High Dome

L31 & L32 Series

L31: **R10** **5YR** **12** **24** **SYNC** **SCAN LOCK** **R65 CLASS 2**

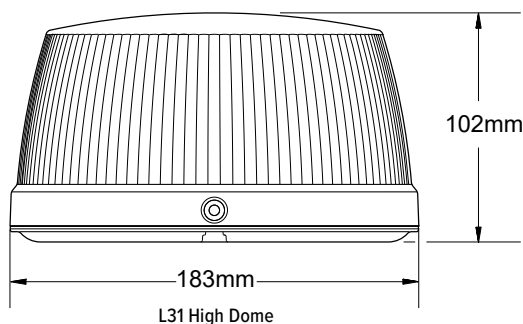
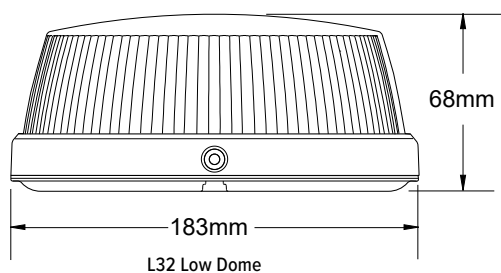
L32: **R10** **5YR** **12** **24** **SYNC** **SCAN LOCK** **R65 CLASS 1**



FEATURES

- High and low dome models
- Smooth polycarbonate dome
- Powder-coated die-cast base
- Solid-state electronics
- Conformal coated electronics

DIMENSIONS



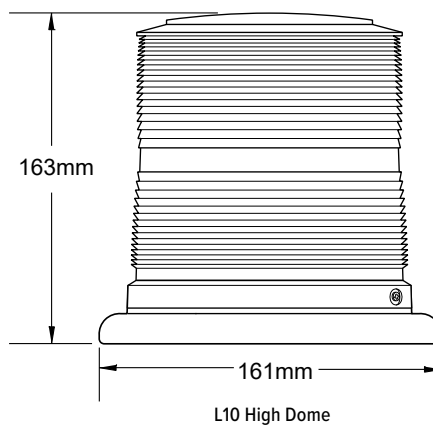
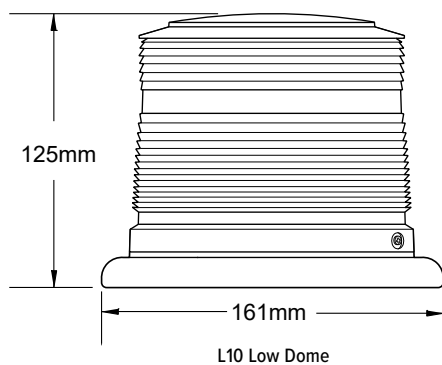
L10 Series



FEATURES

- High and low dome models
- Polycarbonate dome
- Polycarbonate base
- Solid-state electronics
- Conformal coated electronics

DIMENSIONS



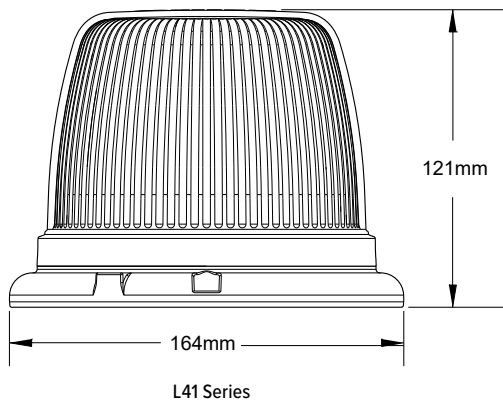
L41 Series



FEATURES

- Smooth polycarbonate dome
- Powder-coated die-cast base
- Solid-state electronics
- Conformal coated electronics

DIMENSIONS



R316 & R416 Series

R316: R10 5YR 12 24 SCAN LOCK™ SYNC

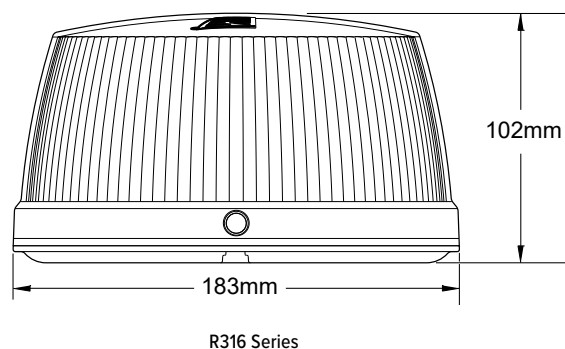
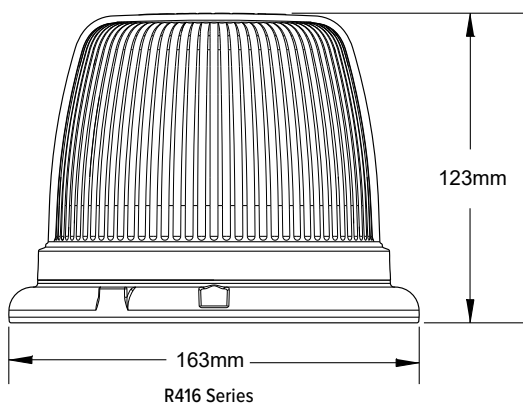
R416: R10 5YR 12 24 SCAN LOCK™ SYNC R65 CLASS 2



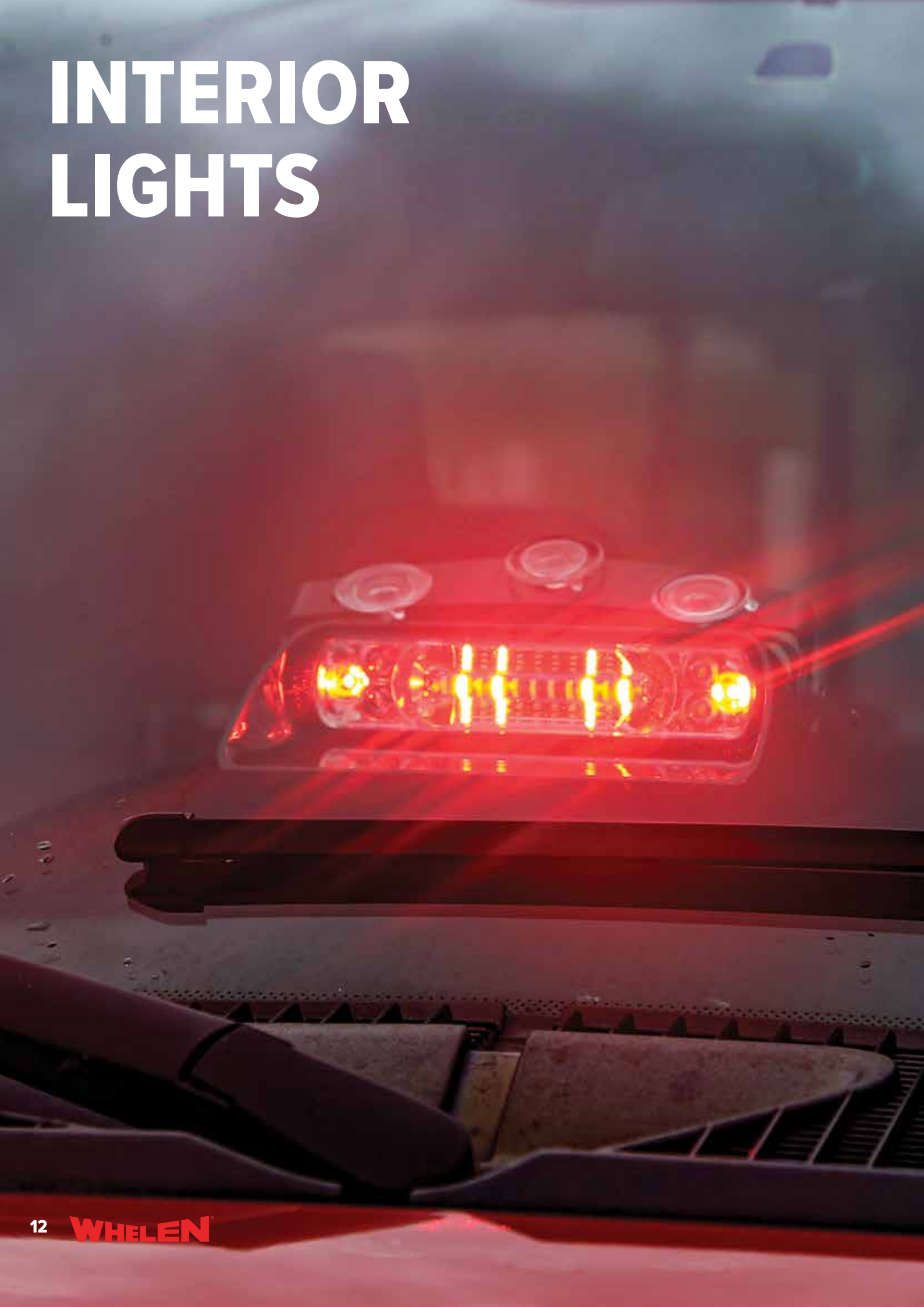
FEATURES

- Smooth polycarbonate dome
- Powder-coated die-cast base
- Solid-state electronics
- Conformal coated electronics

DIMENSIONS



INTERIOR LIGHTS



Avenger® II Series

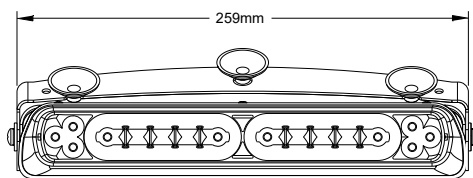
R10 5YR 12 SCAN LOCK™ SOLO™ DUO™ TRIO™



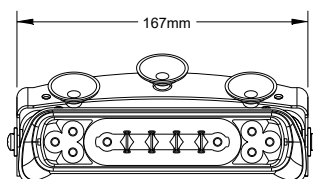
FEATURES

- Combination Linear/TIR® optics
- Available in SOLO™, DUO™, or TRIO™ models
- Polycarbonate housing
- Solid-state electronics
- Conformal coated electronics
- Models include 3m cord with cigar plug with On/Off switch and Scan-Lock™ flash pattern switch

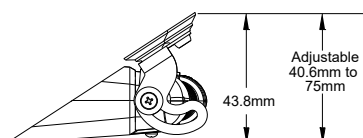
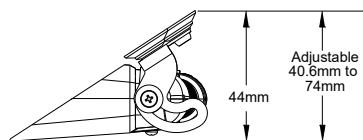
DIMENSIONS



Avenger II Dual Series



Avenger II Single Series



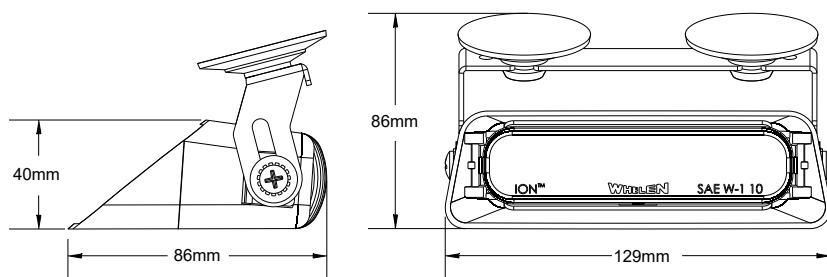
SpitFire ION™ Series



FEATURES

- Polycarbonate housing
- Solid-state electronics
- Conformal coated electronics
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Models include 3m cord with cigar plug with On/Off switch and Scan-Lock™ flash pattern switch

DIMENSIONS





LIGHTBARS



WeCanX[®] 2250



FEATURES

- Utilizes powerful ION[™] T-Series[™] Lightheads with patented E Block[™] technology
- IP67 rated
- 3" slimmer than 4500 series
- Flush mount (slide bolt)
- 12/24 VDC
- Powered by WeCanX technology
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Dynamic Variable Intensity[™] (DVI[™]) light patterns
- Functionality configurable in Whelen Command[®]
- Lighthead configurations easily defined within Whelen's WeCad Software
- DUO[™] support in warning light options
- Aerial recognition option
- Choose between two angled end caps or two flat end caps (56cm flat end caps only)
- 5-year warranty on I/O boards and a 10-year warranty on lightheads

OPTIONS



Flat End Caps

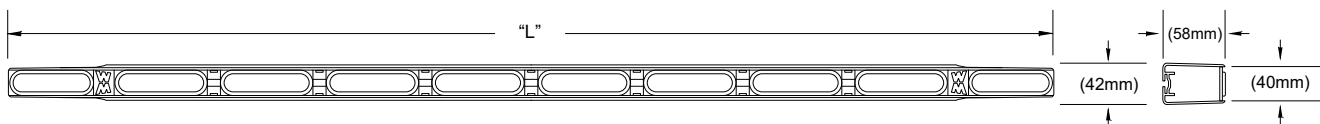


Angled End Caps



Aerial Recognition Light

DIMENSIONS



"L" Size Chart

(56cm)	(76cm)	(102cm)	(127cm)	(152cm)	(178cm)	(203cm)
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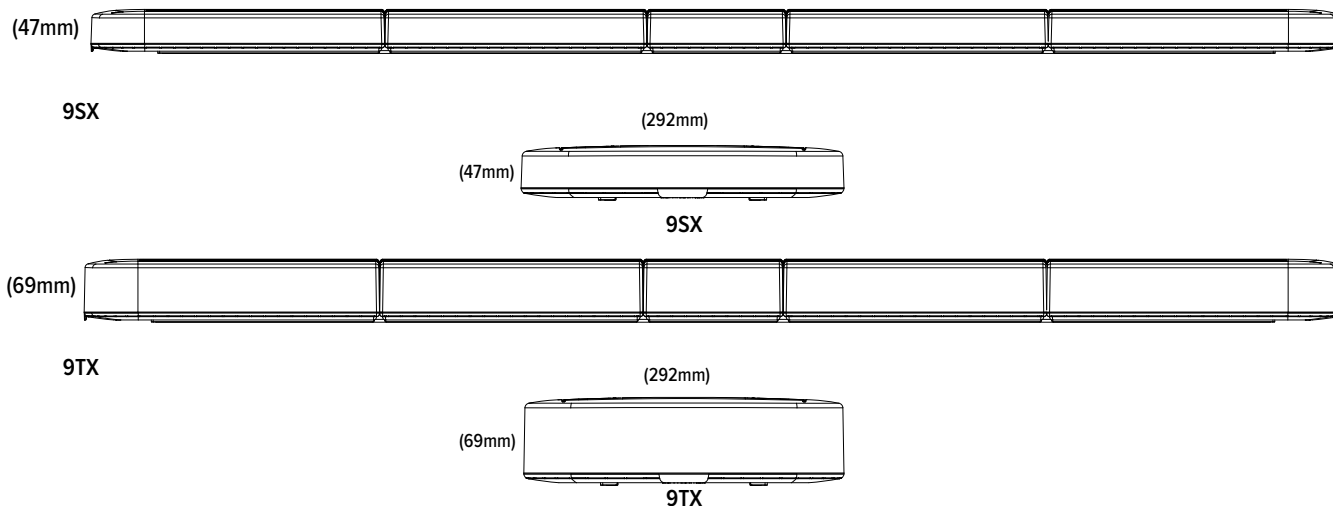
Edge[®] 9X Series



FEATURES

- SAE Class 1 Certified
- Powered by WeCanX[®] technology
- Available in two profiles
 - Short: 47mm H
 - Tall: 69mm H
- DUO[™] Linear12[™] LED and DUO Linear6[™] LED Warning & Scene Take-Down/Alley
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Photocell included
- Passenger side cable exit
- Advanced Thermal Design improves LED performance during extended operation
- Molded polycarbonate Black tops provide protection from the elements
- 12/24 VDC
- Standard mounting feet
- 5-year warranty on lightheads and a 10-year warranty on I/O boards

DIMENSIONS



"L" Size Chart

63.5cm	79cm	91cm	112cm	122cm	137cm	152cm
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Legacy[®] Series

5YR **10YR** **R10** **12** **CIA 447** **DIAG** **CRUISE** **WE CAN X** **R65 CLASS 1** **R65 CLASS 2** **R65 CLASS 2** **ISOLO** **DUO+**



FEATURES

- Available in SOLO[™] and DUO+[™] models
- Advanced Thermal Design improves LED performance during extended operation
- Aluminum top repels hail and other environmental damages
- Extruded aluminum platform
- Center dividers with liquid injection molded seals protect internal components from water intrusion
- One piece uni-dome construction with a single sealing point assures lightbar integrity in all weather conditions
- Proclera[®] Silicone Optics (available in take-down lights)
- Hard-coated domes resist environmental damage from sand, sun, salt, and road chemicals
- Available with Clear or Smoked domes
- Consult WeCad[™] for available options
- WeCanX[®] models have a 10-year warranty on I/O boards and lightheads. WeCan[®] and Low Current models have a 5-year warranty on I/O boards and a 10-year warranty on lightheads

OPTIONS



Alley Light

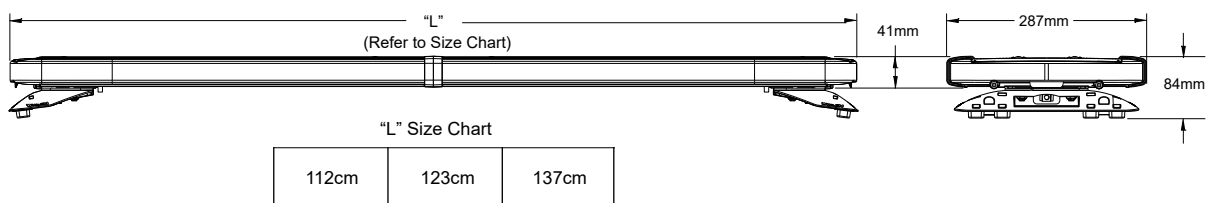


3-LED Take-Down



6-LED Take-Down

DIMENSIONS



Liberty™ II Series

R10 5YR 10YR 12 24 LC SC WE CAN X CRUISE R65 CLASS 1 R65 CLASS 2 R65 CLASS 2 SOLO™



FEATURES

- Available in SOLO™, DUO+™ and TRIO™ models
- Advanced Thermal Design improves LED performance during extended operation
- Aluminum top repels hail and other environmental damages
- Extruded aluminum platform
- Center dividers with liquid injection molded seals protect internal components from water intrusion
- One piece uni-dome construction with a single sealing point assures lightbar integrity in all weather conditions
- Proclera® Silicone Optics (available in take-down lights)
- Hard-coated domes resist environmental damage from sand, sun, salt, and road chemicals
- Available with Clear, Smoked, or Color domes
- Consult WeCad™ for available options
- WeCanX® models have a 10-year warranty on I/O boards and lightheads. WeCan® and Low Current models have a 5-year warranty on I/O boards and a 10-year warranty on lightheads.

OPTIONS



Long Lighthead



12-LED Take-Down



Alley Light



Short Lighthead



6-LED Take-Down

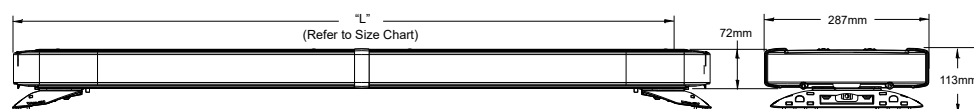


Filter



3-LED Take-Down

DIMENSIONS



"L" Size Chart

112cm	122cm	137cm
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Freedom® IV Series

R10 5YR 10YR ≤ 12 ≤ 24 LC SC WeCAN CRUISE R65 CLASS 2 R65 CLASS 2 ISOLO™



FEATURES

- Available in SOLO™ and DUO models
- Linear Super-LED® technology
- Advanced Thermal Design improves LED performance during extended operation
- Aluminum top repels hail and other environmental damages
- Extruded aluminum platform
- Center dividers with liquid injection molded seals protect internal components from water infiltration
- One piece uni-dome construction with a single sealing point assures lightbar integrity in all weather conditions
- Hard-coated domes resist environmental damage from sand, sun, salt, and road chemicals
- Available with Clear, Smoked, or Color domes
- Consult WeCad™ for available options
- WeCanX® models have a 10-year warranty on I/O boards and lightheads. WeCan® and Low Current models have a 5-year warranty on I/O boards and a 10-year warranty on lightheads

OPTIONS



6-LED Take-Down



Long Lighthead



Short Lighthead



6-LED Alley Light

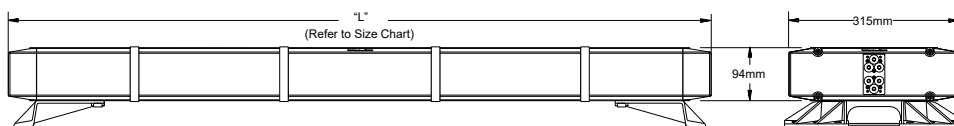


3-LED Alley Light



Filter

DIMENSIONS



"L" Size Chart

113cm	125cm	140cm	152cm	183cm
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Justice[®] Series

R10

5YR

12

24

WE CAN X

CRUISE

R65 CLASS 1

R65 CLASS 2

ISOLO[™]



FEATURES

- Available in SOLO[™] and DUO[™] models
 - Advanced Thermal Design improves LED performance during extended operation
 - Extruded aluminum platform and polycarbonate base
 - Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Easily upgraded or serviced in the field
 - Available with Clear, Smoked, or Color domes
 - Consult WeCad[™] for available options

OPTIONS

CON3[™] Module With Spreader Optics

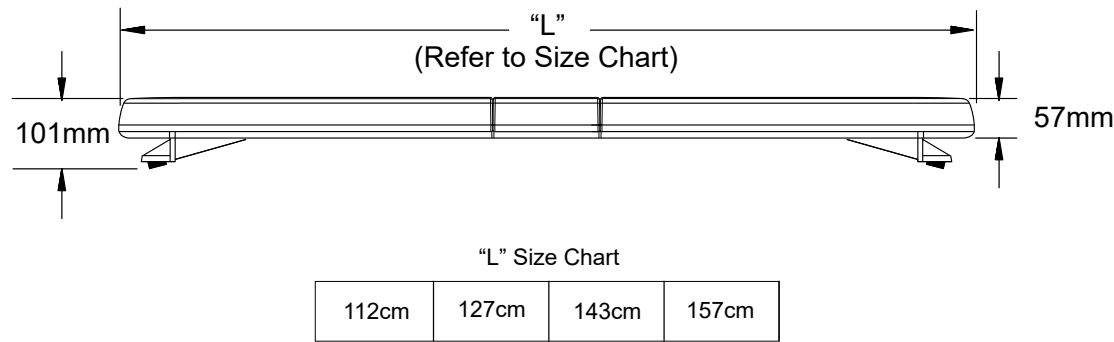
Full LIN6[™]

Take-Down

Alley Light

Work Light

DIMENSIONS



CenturyTM Series

R10 5YR 12 SC SCAN LOCK R65 CLASS 1 R65 CLASS 1 SOLOTM



FEATURES

- Available in SOLOTM models
- Compression fit gaskets provide moisture resistance
- Extruded aluminum platform and polycarbonate domes
- Hard-coated domes resist environmental damage from sand, sun, salt, and road chemicals
- Clip-LockTM system allows easy access to lightbar for service or upgrade

OPTIONS



LIN6[™] Lighthouse

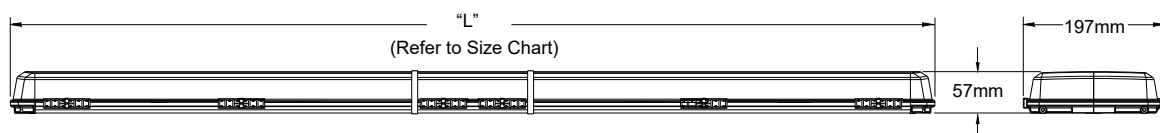


Alley Light



Take-Down

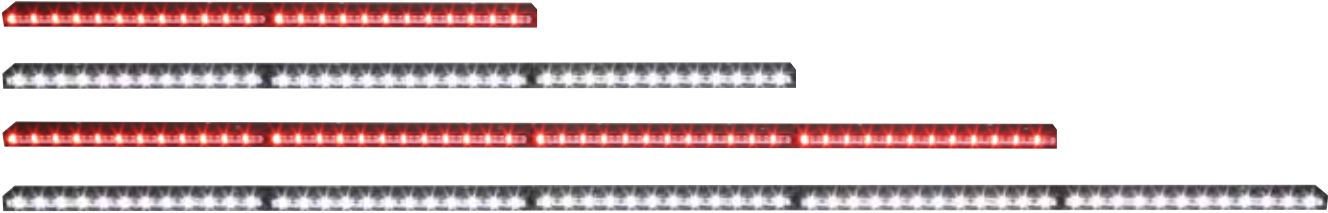
DIMENSIONS



"L" Size Chart

112cm	127cm
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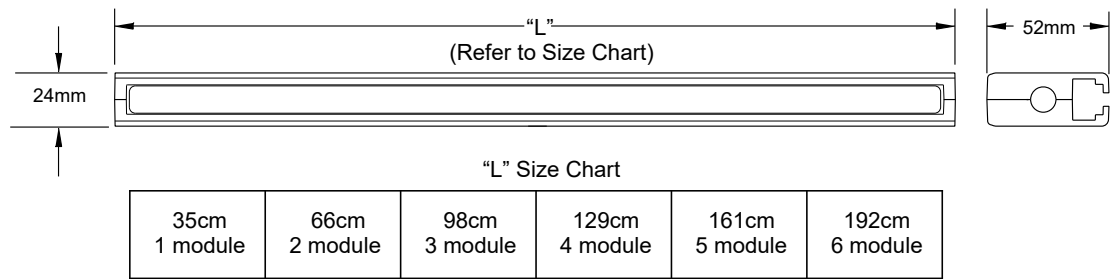
Tracer™ WeCanX®



FEATURES

- Vehicle-to-Vehicle Synchronization
- Available in SOLO™ (single-color), DUO™ (two-color interleaved), or TRIO™ (three-color interleaved) modules
- Whelen Command® programming allows:
 - Full configurability of Traffic Advisor™ functionality
 - Adjustable intensity levels of cruise light control
- Dynamic Variable Intensity™ (DVI™) light patterns
- Mounts easily via slide bolt with vehicle specific brackets, universal “L” brackets, or under lightbar brackets
- SAE Class 1 certified
- 10-year warranty
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals

DIMENSIONS





MINI LIGHTBARS



Mini Legacy[®] Series

R10 **5YR** **10YR** **12** **SC** **R65 CLASS 1** **R65 CLASS 2** **R65 CLASS 2** **ISOLO[™]** **DUO[™]**



FEATURES

- Available in SOLO[™] and DUO[™]
- Advanced Thermal Design improves LED performance during extended operation
- Aluminum top repels hail and other environmental damages
- Extruded aluminum platform
- Center dividers with liquid injection molded seals protect internal components from water intrusion
- One piece uni-dome construction with a single sealing point assures lightbar integrity in all weather conditions
- Proclera[®] Silicone Optics (available in take-down lights)
- Hard-coated domes minimize environmental damage from sand, sun, salt, and road chemicals
- Available with Clear or Smoked domes
- Permanent mount features a low-profile mounting kit
- Magnetic mount includes 40.8 kg pull magnets
- Magnetic mount includes 3m cord with cigar plug with On/Off switch and Scan-Lock[™] flash pattern switch
- Consult WeCad[™] for available options
- WeCanX[®] models have a 10-year warranty on I/O boards and lightheads. WeCan[®] and Low Current models have a 5-year warranty on I/O boards and a 10-year warranty on lightheads.

OPTIONS



Alley Light

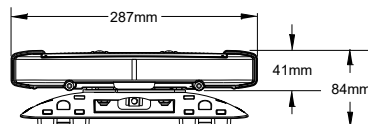
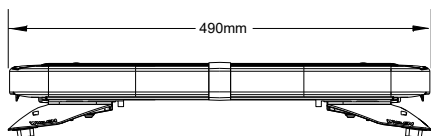


3-LED Take-Down



6-LED Take-Down

DIMENSIONS



Mini Liberty™ II Series

R10 5YR 10YR 12 24 SC R65 CLASS 1 R65 CLASS 2 ISOLO™



FEATURES

- Available in SOLO™ and DUO™
- Advanced Thermal Design improves LED performance during extended operation
- Aluminum top repels hail and other environmental damages
- Extruded aluminum platform
- Center dividers with liquid injection molded seals protect internal components from water intrusion
- One piece uni-dome construction with a single sealing point assures lightbar integrity in all weather conditions
- Proclera® Silicone Optics (available in take-down lights)
- Hard-coated domes resist environmental damage from sand, sun, salt, and road chemicals
- Available with Clear, Smoked, or Color domes
- Permanent mount features a low-profile mounting kit
- Magnetic mount includes 40.8 kg pull magnets
- Magnetic mount includes 3m cord with cigar plug with On/Off switch and Scan-Lock™ flash pattern switch
- Consult WeCad™ for available options
- WeCanX® models have a 10-year warranty on I/O boards and lightheads. WeCan® and Low Current models have a 5-year warranty on I/O boards and a 10-year warranty on lightheads.

OPTIONS



Long Lighthead



12-LED Take-Down



Short Lighthead



6-LED Take-Down



3-LED Take-Down

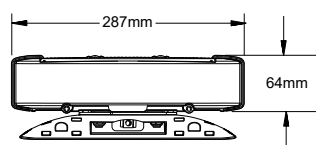
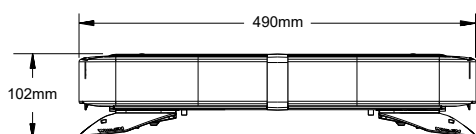


Alley Light



Filter

DIMENSIONS



Mini Freedom[®] IV Rota-Beam[™]

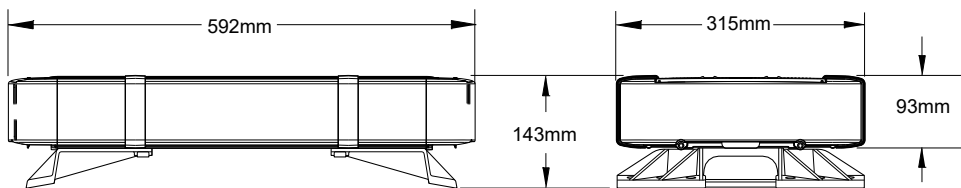
R10 5YR 10YR 



FEATURES

- Advanced Thermal Design improves LED performance during extended operation
- Aluminum top repels hail and other environmental damages
- Extruded aluminum platform
- Center dividers with liquid injection molded seals protect internal components from water infiltration
- One piece uni-dome construction with a single sealing point assures lightbar integrity in all weather conditions
- Hard-coated domes resist environmental damage from sand, sun, salt, and road chemicals
- Permanent mount includes 4.5m cable
- Magnetic mount includes 40.8 kg pull magnets
- Magnetic mount includes 3m cord with cigar plug with On/Off switch and Scan-Lock[™] flash pattern switch
- Clear outer domes and filters standard (available with Color domes and filters)
- Consult WeCad[™] for available options
- WeCanX[®] models have a 10-year warranty on I/O boards and lightheads. WeCan[®] and Low Current models have a 5-year warranty on I/O boards and a 10-year warranty on lightheads.

DIMENSIONS



Mini Justice® Series

R10 5YR 12 24 SC R65 CLASS 1 R65 CLASS 2 ISOLO™



FEATURES

- Available in SOLO™ models
- Advanced Thermal Design improves LED performance during extended operation
- Extruded aluminum platform and polycarbonate base
- Hard-coated domes resist environmental damage from sand, sun, salt, and road chemicals
- Easily upgraded or serviced in the field
- Available with Clear, Smoked, or Color domes
- Magnetic and magnetic/suction mount models include 3m cord with cigar plug with On/Off switch and Scan-Lock™ flash pattern switch
- Consult WeCad™ for available options

OPTIONS



CON3™ Module with Spreader Optics



Full LIN6™



Work Light

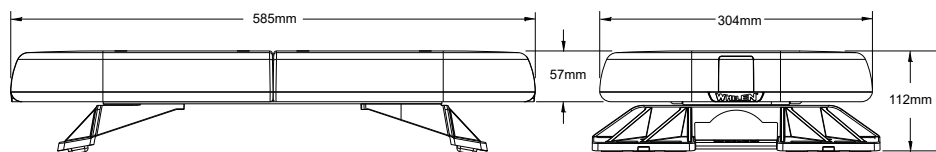


Take-Down



Alley Light

DIMENSIONS



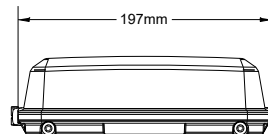
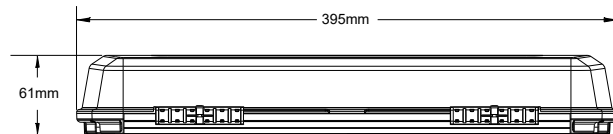
Mini Century™ Series



FEATURES

- Hard-coated domes resist environmental damage from sand, sun, salt, and road chemicals
- Extruded aluminum base
- Standard current switching
- Low profile with compression fit gasket for superior moisture resistance
- Clip-Lock™ system allows easy access to lightbar for service or upgrade
- Magnetic mount includes 40.8 kg pull magnets
- Magnetic and magnetic/suction mounts models include 3m cord with cigar plug with On/Off switch and Scan-Lock™ flash pattern switch

DIMENSIONS



Mini Edge® 9X



FEATURES

- SAE Class 1 Certified
- Powered by WeCanX® technology
- Available in two profiles
 - Short: 47mm H
 - Tall: 69mm H
- DUO™ Linear12™ LED and DUO Linear6™ LED Warning & Scene Take-Down/Alley
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Photocell included
- Advanced Thermal Design improves LED performance during extended operation
- Molded polycarbonate Black tops provide protection from the elements
- 12/24 VDC
- Standard mounting feet
- 5-year warranty on lightheads and a 10-year warranty on I/O boards

TRAFFIC ADVISOR™



Traffic Advisor™ Super-LED®



TAC8 Super-LED Traffic Advisor



Control Head Included



Dominator™ TIR3™ Super-LED Traffic Advisor
• Internal flasher
• Customer supplied switching



Optional Control Head



TIR3 Super-LED Traffic Advisor



Control Head Included



Straight Style LINZ6™ Super-LED Traffic Advisor

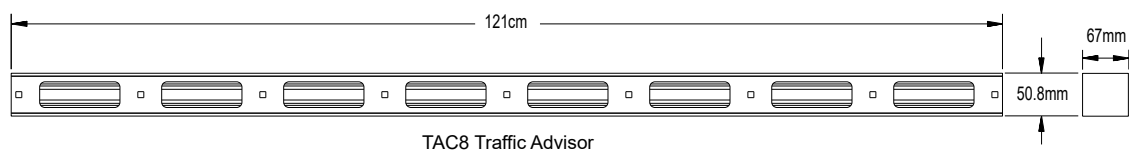


Control Head Included

FEATURES

- Interior or exterior applications
- Extruded aluminum housing
- Fully encapsulated
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Left arrow, right arrow, split arrow, and warning functions
- Refer to 2250 lightbar page for Traffic Advisor model (pg. 17)

DIMENSIONS



TAC8 Traffic Advisor

LIGHTHEADS



ION™ Series Lightheads

SOLO™:	R10	10YR	12	24	SYNC	SCAN LOCK	STEADY LOCK	R65 CLASS 1	R65 CLASS 2
DUO™:	R10	10YR	12	24	SYNC	SCAN LOCK	STEADY LOCK	R65 CLASS 1	R65 CLASS 1
TRIO™:	R10	10YR	12	24	SYNC	SCAN LOCK	STEADY LOCK		



SOLO



DUO



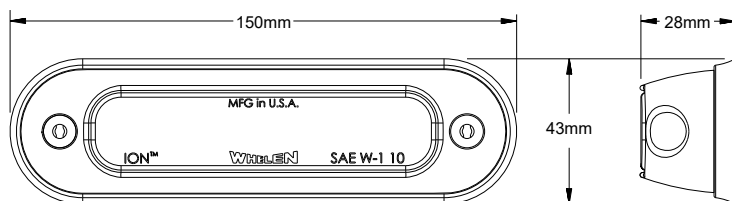
TRIO

FEATURES

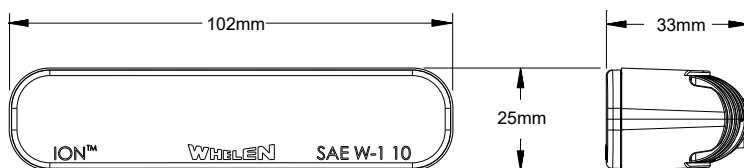
- SOLO models available in single or split colors
- DUO and TRIO models feature Linear-LED® optics
- Available with Smoked lenses

- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals

DIMENSIONS



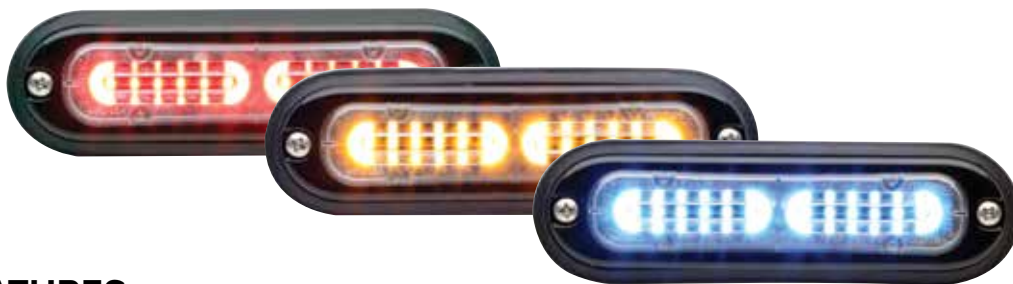
ION Surface Mount



ION Universal Mount

ION™ T-Series™

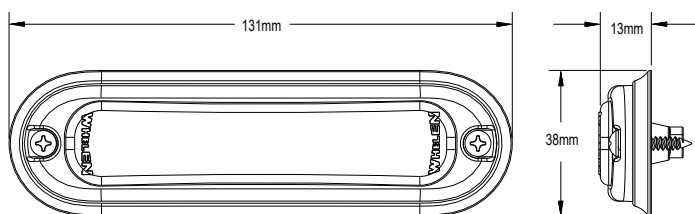
R10 10YR 12 SYNC IP67 SCAN LOCK STEADY LOCK R65 CLASS 1 R65 CLASS 2 R65 CLASS 2 SOLO™ DUO™



FEATURES

- Linear Super-LED® optics
- Available in SOLO™ or DUO™ models
- SOLO models available in single or split colors
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Easily surface mounts with two screws
- Includes Black flange
- Available with Smoked lenses

DIMENSIONS



ION Mini T-Series

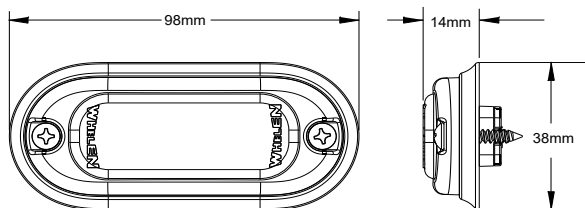
R10 10YR 12 24 SYNC IP67 SCAN LOCK STEADY LOCK R65 CLASS 1 R65 CLASS 1 R65 CLASS 1 R65 CLASS 2 R65 CLASS 2



FEATURES

- Linear Super-LED® optics
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Easily surface mounts with two screws
- Includes Black flange
- Available with Smoked lenses
- Meets Class 2 Certification in Red and Blue when sold in pairs

DIMENSIONS



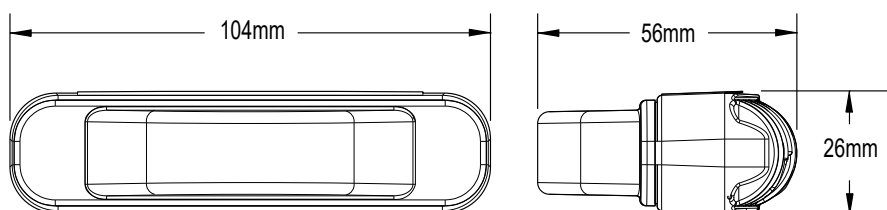
ION™ V-Series™



FEATURES

- Available in 3-in-1 combination warning, spotlight, and ground illumination light or in single-color warning only models
- Single-color models have combination 180° and TIR™ directional warning
- Black, White, or Chrome housing
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Available with Smoked lenses

DIMENSIONS



LINZ6™ & TIR3™ Series

LINZ6: R10 5YR 12 24 SYNC SCAN LOCK™ R65 CLASS 2 R65 CLASS 2

TIR3: R10 5YR 12 SYNC SCAN LOCK™

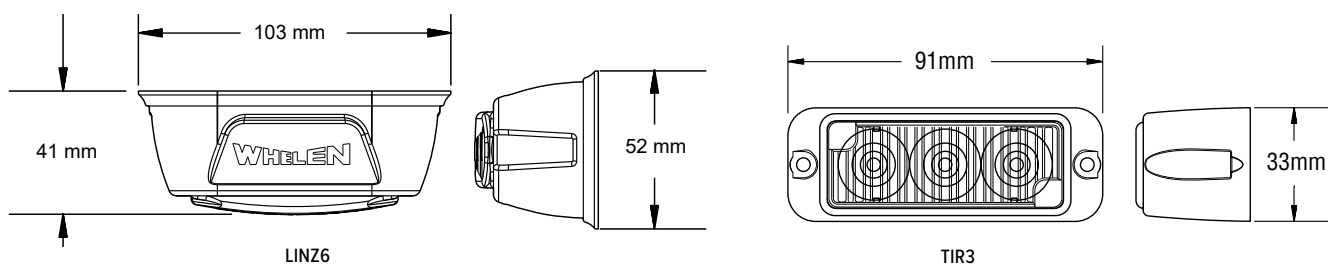


FEATURES

- Includes Black polycarbonate mounting flange
- Fully encapsulated*
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals

*LINZ6 sealed with LIM (liquid injection molded) seal

DIMENSIONS



Vertex™ Series

R10

10YR

12

24

SYNC

SCAN
LOCK

R65
CLASS
1

R65
CLASS
1

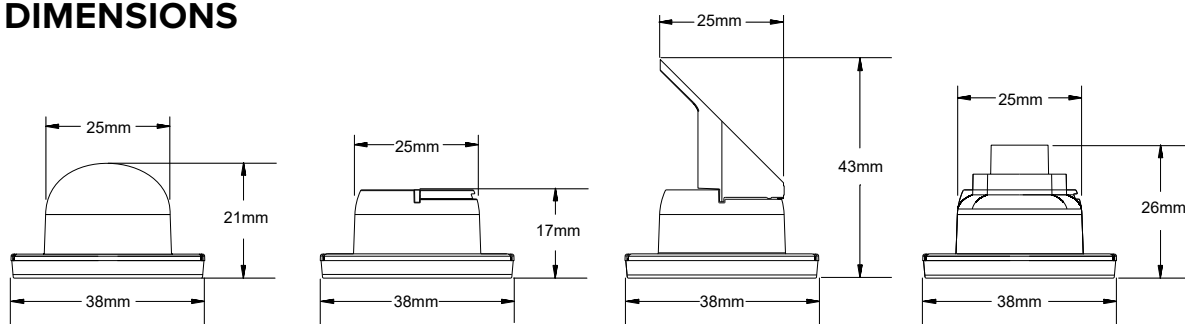
ISOLO™ DUO™



FEATURES

- Available in SOLO™ and DUO™
- Self-contained light with in-line lamp driver
- Available as an omni-directional, side emitter, or directional lighthouse
- Designed to mount in composite style headlight or taillight, or surface mount to exterior surfaces with flange mount option
- Fully encapsulated
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Clear outer lens, color LEDs
- Available with Smoked lenses

DIMENSIONS



M Series™

M2:	R10	10YR	12	24	SYNC	SCAN LOCK™	R65 CLASS 2		
M4:	R10	10YR	12	24	SYNC	SCAN LOCK™	R65 CLASS 2	R65 CLASS 2	R65 CLASS 2
M6:	R10	10YR	12	24	SYNC	SCAN LOCK™	R65 CLASS 2	R65 CLASS 2	
M7:	R10	10YR	12	24	SYNC	SCAN LOCK™	R65 CLASS 2	R65 CLASS 2	R65 CLASS 2
M9:	R10	10YR	12	24	SYNC	SCAN LOCK™			

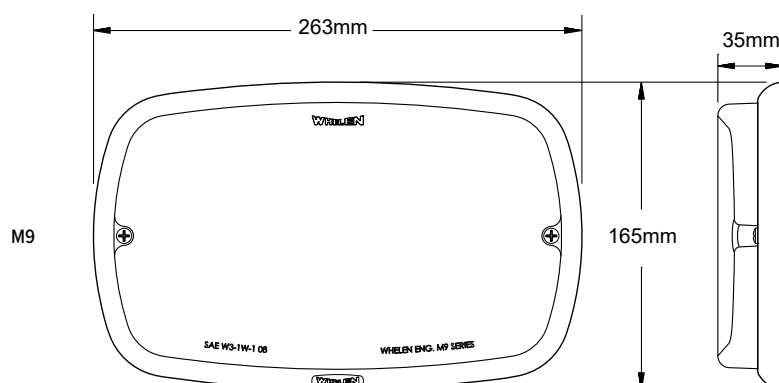
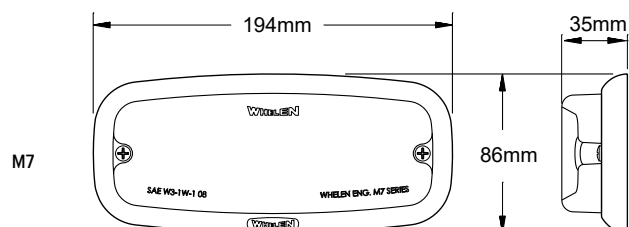
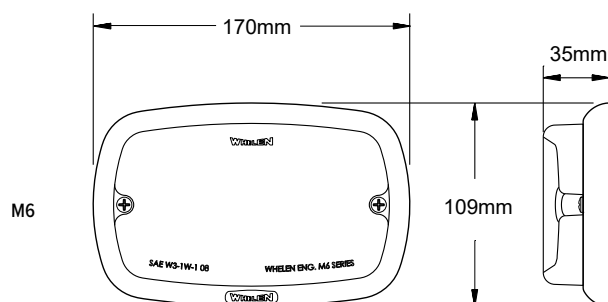
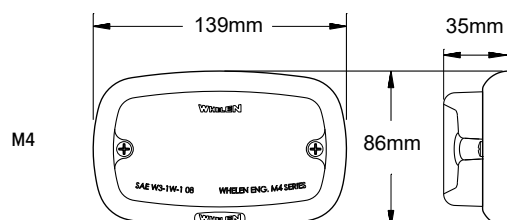
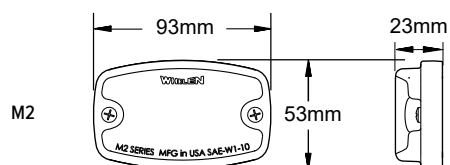


FEATURES

- Available in single, split-color, and DUO™ models
- Available with Clear or Color lenses
- Available in steady-burn or with an internal flasher
- Hard-coated lenses
- Surface mounts via two screws for easy installation
- Variety of mounting brackets, and optional Chrome or Black flange available

M SeriesTM

DIMENSIONS



WHITE ILLUMINATION



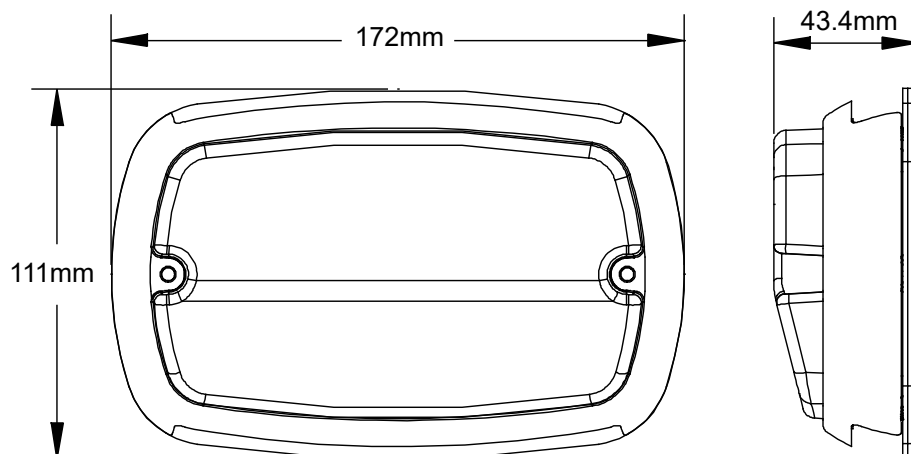
M6 EZ Scene Light™



FEATURES

- Redesigned optic aesthetics, light output, and light pattern optimize light dispersion
- Gradient Opti-Scenelight™ technology enables efficient use of light
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Selectable turn-on functionality
 - Multiple turn-on styles ranging from instant to gradual (Slow, Medium, Fast, Instant)
 - Three low-power settings provide situation-specific lighting for a variety of scenarios
- Surface mount
- Includes a 15cm pigtail

DIMENSIONS



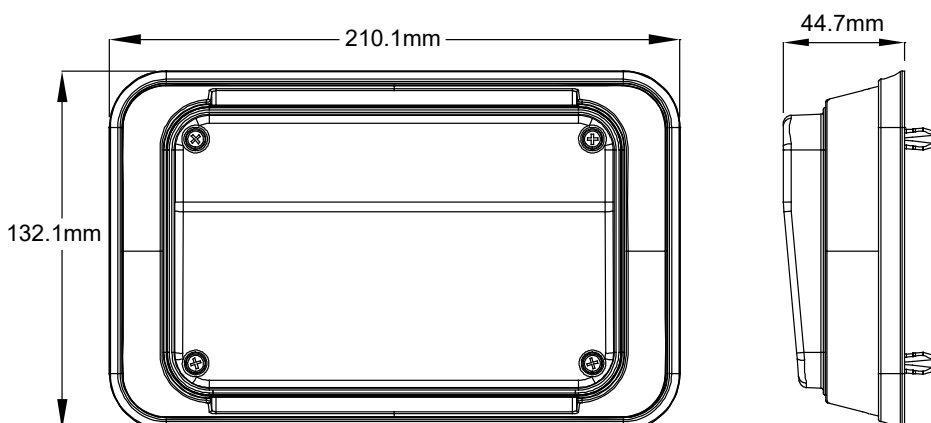
600 EZ Scene Light™



FEATURES

- Redesigned optic aesthetics, light output, and light pattern optimize light dispersion
- Gradient Opti-Scenelight™ technology enables efficient use of light
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Selectable turn-on functionality
 - Multiple turn-on styles ranging from instant to gradual (Slow, Medium, Fast, Instant)
 - Three low-power settings provide situation-specific lighting for a variety of scenarios
- Surface mount
- Includes a 15cm pigtail

DIMENSIONS

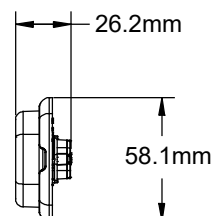
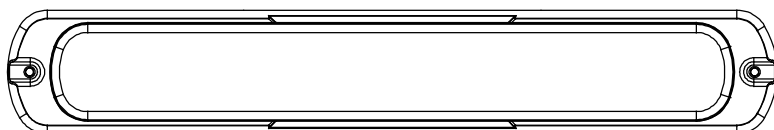
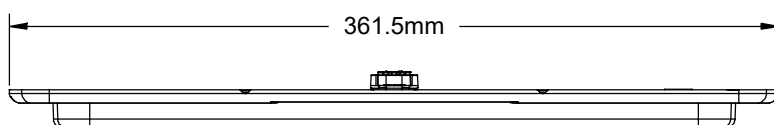




FEATURES

- Light is projected down and out for increased visibility and expanded view of work areas
- Sleek, low-profile, Strip-Lite™ style footprint
- Patented E Block™ technology prevents moisture from entering the lighthouse
- Selectable turn-on functionality
 - Multiple turn-on styles ranging from instant to gradual (Slow, Medium, Fast, Instant)
 - Three low-power settings provide situation-specific lighting for a variety of scenarios
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Low current consumption

DIMENSIONS



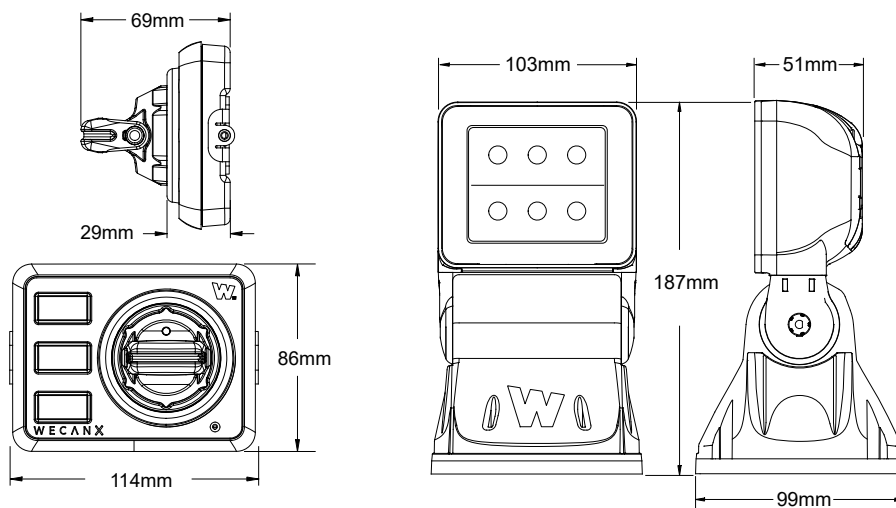
Arges® Remote Spotlight



FEATURES

- Innovative mechanical design provides 360° of continuous rotation and a 180° tilt range
- ProFocus™ Models: 5° spot to 60° flood variable beam width
- Spotlight Models: 5° spot
- Proclera® Silicone Optics
- Black die-cast aluminum housing
- CenCom Core® and WeCanX® compatible
- Drivetrain is electronically and mechanically protected
- Arges installs quickly and requires no A-pillar drilling or airbag interference
- Includes two 45.7cm power control harnesses and one 30.5cm communication cable
- Control head features a paddle and three push-buttons
- Program Arges with Whelen Command® or use alone with its paired control head
- Full Arges system passes CISPR 25 Class 3

DIMENSIONS



Pioneer Micro™

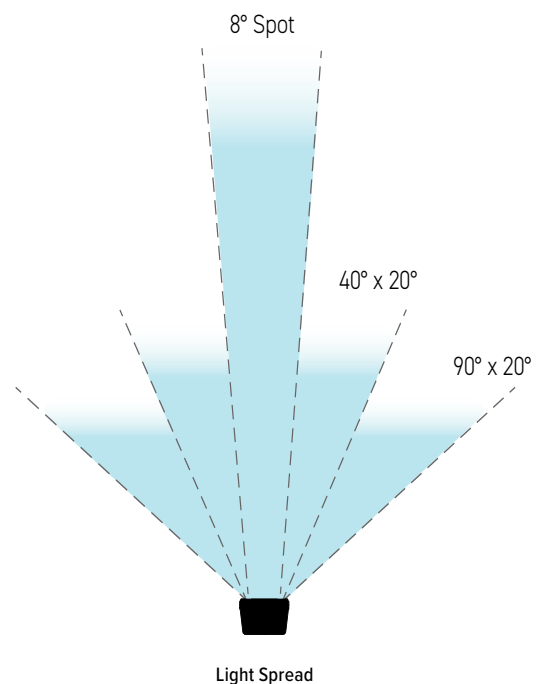
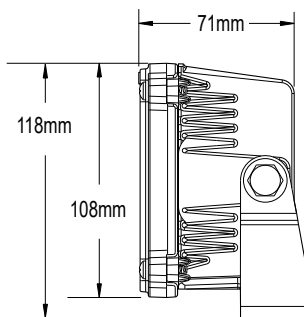
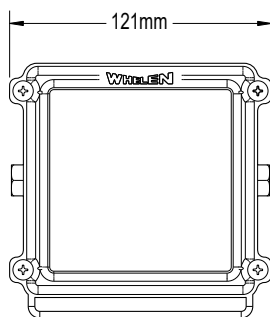
R10 **5YR** **12** **24** **IP67** **HARD COAT**



FEATURES

- 8° spotlight pattern comes standard. Includes three additional optic lenses for a light pattern choice of:
 - 90° x 20° wide flood
 - 40° x 20° standard flood
 - 40° x 8° narrow flood
- Optic lens changes easily via removable lens retainer
- Injection molded polycarbonate lenses are impact resistant
- Die-cast aluminum powder-coated housing in Black or White
- Solid-state electronics
- LEDs are instant On/Off, eliminating high inrush current and ramp-up time
- Correlated Color Temperature (CCT) of 5,700° Kelvin simulates bright midday light
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Includes 1.83m cable
- Five mounts available:
 1. Powder-coated stainless steel bail bracket with 9.65mm stud carriage bolt mount
 2. Recessed 90° angle mount with Chrome flange
 3. Recessed 15° angle mount with Chrome flange
 4. Pole/pedestal mount with handle available with or without On/Off switch
 5. Low-profile pedestal mount available with Chrome or Black back cover, with or without On/Off switch

DIMENSIONS



Pioneer NanoTM

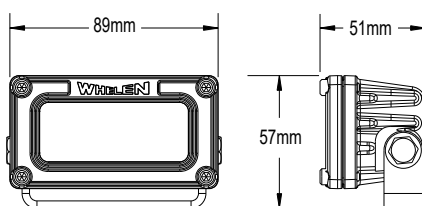
R10 5YR $\lesssim 12$ $\lesssim 24$ IP67



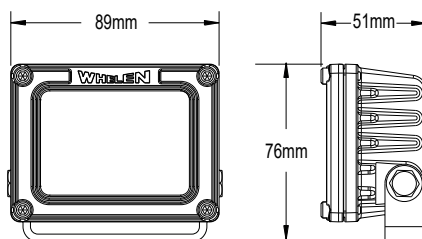
FEATURES

- 8° spotlight pattern comes standard. Includes additional optic lens for a light pattern of:
 - 40° x 20° flood
- Optic lens changes easily via removable lens retainer
- Injection molded polycarbonate lenses are impact resistant
- Die-cast aluminum powder-coated housing in Black or White
- Solid-state electronics
- LEDs are instant On/Off, eliminating high inrush current and ramp-up time
- Correlated Color Temperature (CCT) of 5,700° Kelvin simulates bright midday light
- Includes 1.83m cable
- Powder-coated stainless steel bail bracket with 9.65mm stud carriage bolt mount

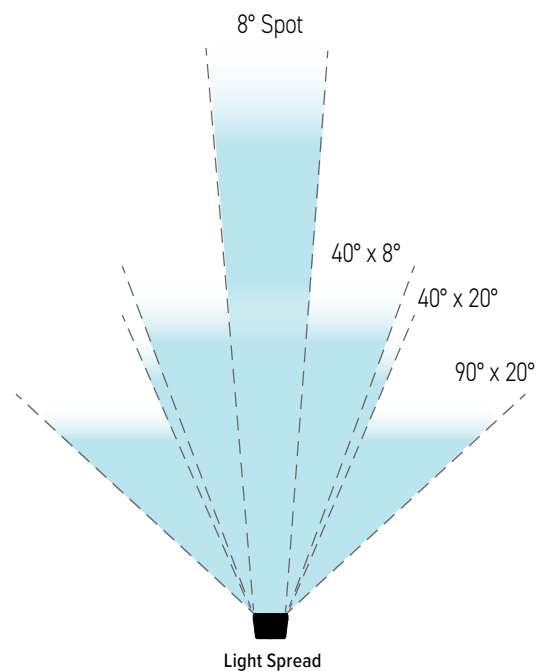
DIMENSIONS



Nano 3



Nano 6



Pioneer SlimLine™

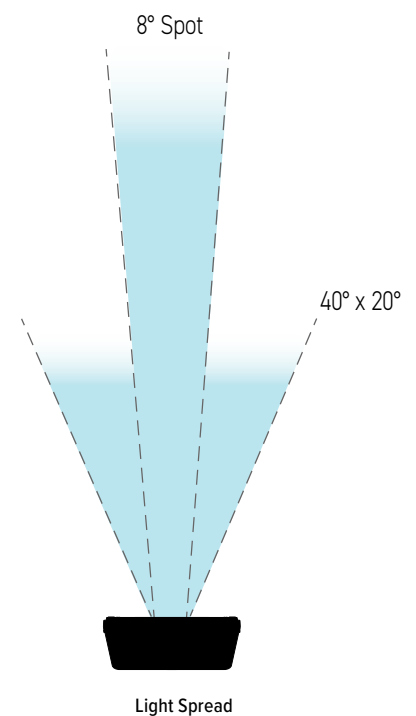
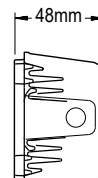
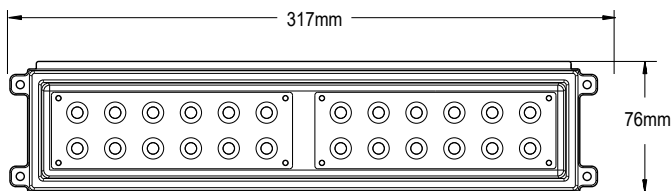
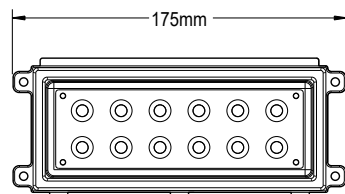
R10 5YR 12 24 IP67



FEATURES

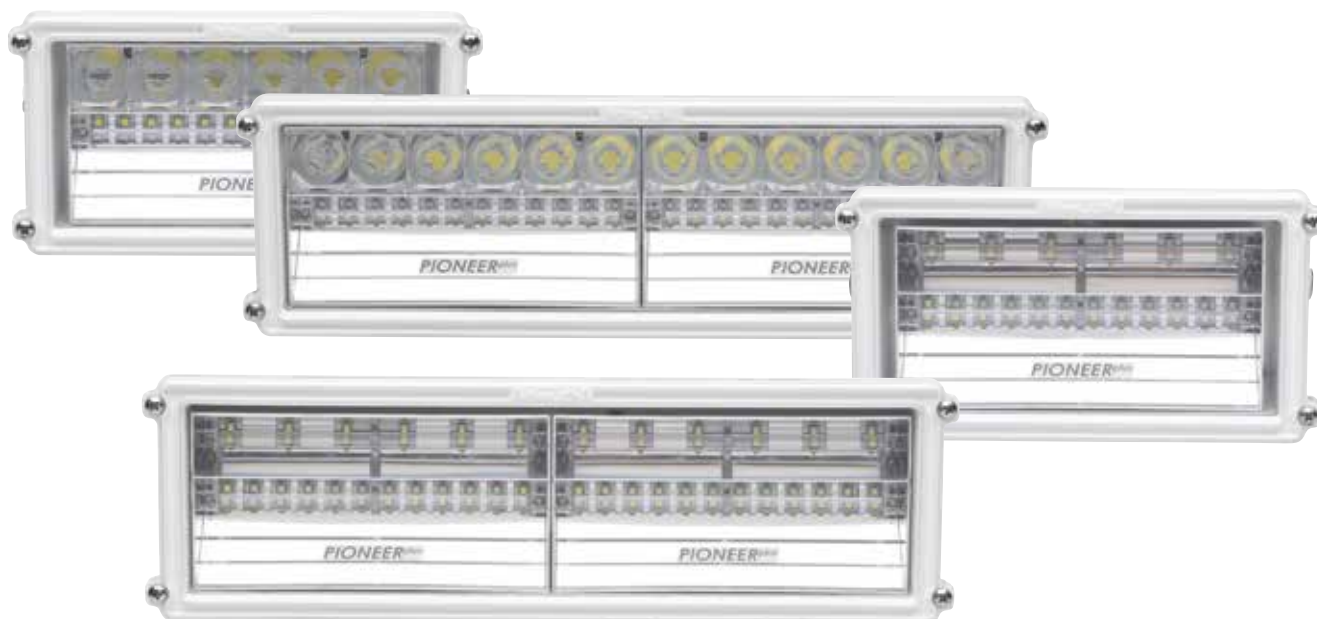
- Available in single or dual models
- Single Lamp Models: 8° spotlight pattern comes standard
 - Includes additional 40° x 20° flood lens
- Dual Lamp Models: 8° spotlight pattern comes standard
 - Includes two additional optic lenses for a light pattern choice of:
 - Dual 40° x 20° flood
 - 8° spot and 40° x 20° flood
- Optic lens changes easily via removable lens retainer
- Injection molded polycarbonate lenses are impact resistant
- Die-cast aluminum powder-coated housing in Black or White
- Solid-state electronics
- LEDs are instant On/Off, eliminating high inrush current and ramp-up time
- Correlated Color Temperature (CCT) of 5,700° Kelvin simulates bright midday light
- Includes 1.83m cable
- Powder-coated stainless steel bail bracket
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals

DIMENSIONS



Pioneer PlusTM

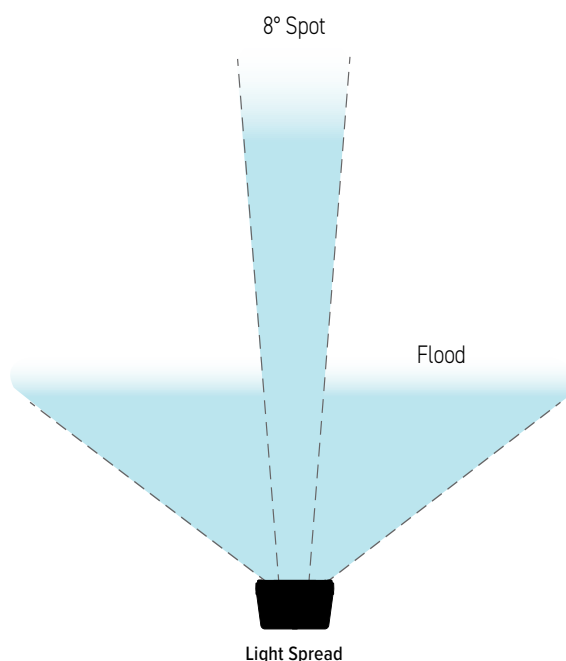
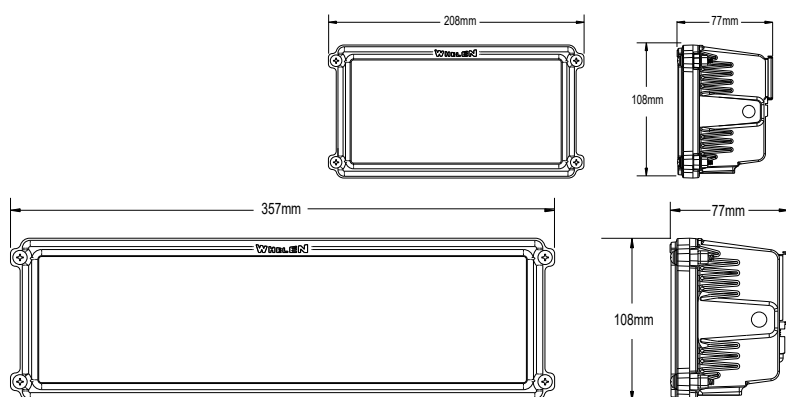
R10 5YR 12 24 120 IP67 UL



FEATURES

- Available in single and dual models
- Pioneer Plus Combination Floodlight/Spotlight features Proclera® Optic Technology
- Injection molded polycarbonate lenses are impact resistant and hard-coated
- Die-cast aluminum powder-coated housing in Black or White
- Solid-state electronics
- LEDs are instant On/Off, eliminating high inrush current and ramp-up time
- Correlated Color Temperature (CCT) of 5,700° Kelvin simulates bright midday light
- Powder-coated stainless steel bail bracket
- DC models include 6.1m cable, AC models include 305mm wire leads

DIMENSIONS



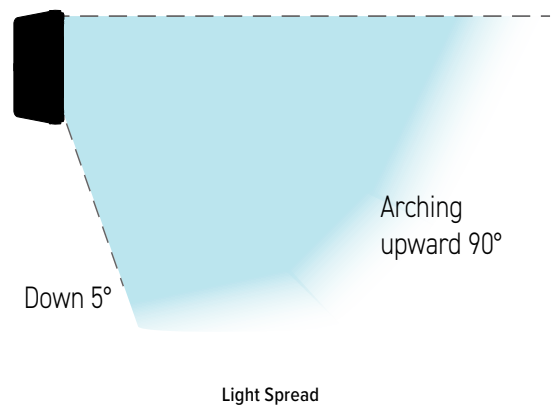
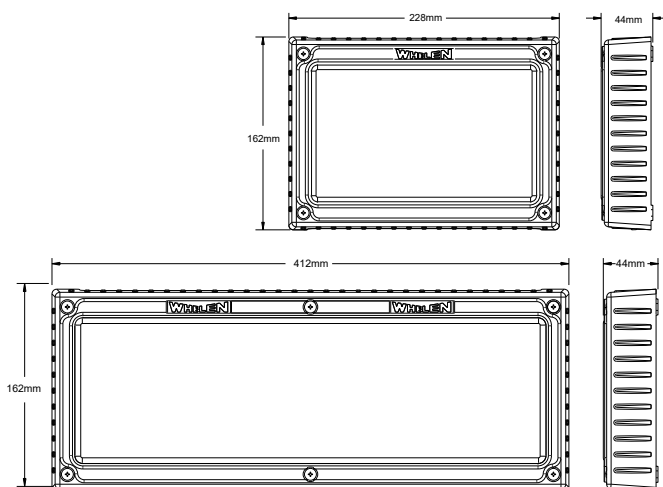
Pioneer Plus™ Surface Mount



FEATURES

- Available in single and dual models
- Injection molded polycarbonate lenses are impact resistant and hard-coated
- Die-cast aluminum powder-coated housing in Black or White
- Solid-state electronics
- LEDs are instant On/Off, eliminating high inrush current and ramp-up time
- Correlated Color Temperature (CCT) of 5,700° Kelvin simulates bright midday light
- Includes 1.83m cable
- Surface mount:
 - Requires no body cut-outs
 - Built-in nylon screw grommets eliminate galvanic corrosion
 - Uniquely designed silicone grommet seals the 25.4mm wire entry into the body
 - Available with Chrome or Black flange

DIMENSIONS



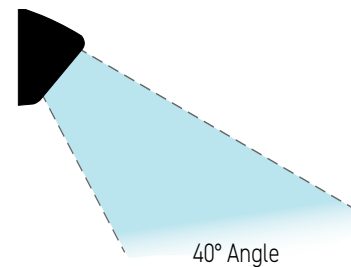
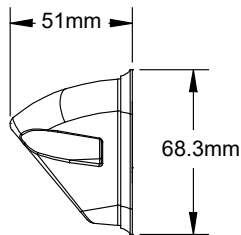
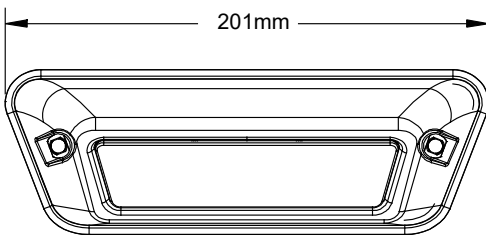
Perimeter Enhancement Light



FEATURES

- Available in one-color or two-color
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Same mounting dimensions as original PEL models
- Light is projected downward at a 40° angle for widespread ground illumination
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Whelen's patented E Block™ technology prevents moisture from entering the lighthouse
- Mounts to vertical surfaces and may be mounted inverted
- Molded rubber gaskets protect body panels
- 5-year warranty

DIMENSIONS



Light Spread

SIRENS & SPEAKERS



CORE™ System Components



FEATURES

- Seamlessly integrates with Whelen Command® software
- Supports firmware updates through USB-C with Whelen Command
- Remote Expansion Modules are available to integrate technologies like V2V Sync and DVI™ light patterns with peripheral lighting

CENCOM CORE®

- Powered by WeCanX®
- Supports any combination of up to 99 WeCanX devices
- Seamlessly integrates with Whelen Command software
- Remote firmware updates through USB-C with Whelen Command or over-the-air with Whelen Cloud Platform®
- Vehicle-to-Vehicle Sync
- Dynamic Variable Intensity light patterns
- 17 total inputs
- 23 total outputs

CENCOM CORE-R™

- Powered by WeCanX®
- Supports any combination of up to 99 WeCanX devices
- Seamlessly integrates with Whelen Command software
- Remote firmware updates through USB-C with Whelen Command or over-the-air with Whelen Cloud Platform
- Vehicle-to-Vehicle Sync
- Dynamic Variable Intensity light patterns
- 8 total inputs

CENCOM CORE-S™

- Powered by WeCanX
- Seamlessly integrates with Whelen Command software
- Remote firmware updates through USB-C with Whelen Command or over-the-air with Whelen Cloud Platform
- Vehicle-to-Vehicle Sync
- Dynamic Variable Intensity light patterns
- 11 total inputs
- 16 total outputs

HHS3200 & HHS4200

R10 2YR 12 24 100 200 FREE



FEATURES

- Windows based programming software for full customization and configuration
- Three control heads available
- Nine 10-Amp relay outputs

AMPLIFIER MODULE

- Durable Black molded housing
- Wail, Yelp, Piercer, Manual Siren, and Airhorn tones are preset standard
- 65 total tones, including mechanical tones
- Includes 7m interconnect cable

EXTERNAL SPADE-TYPE FUSES

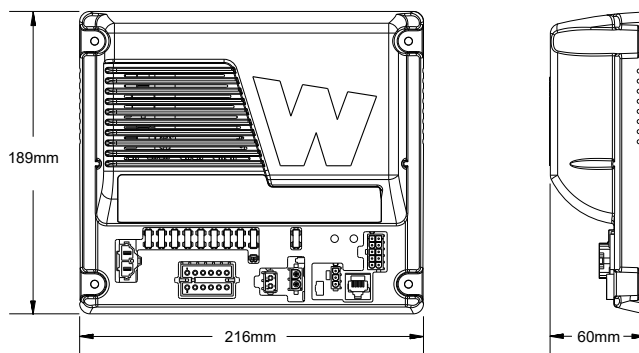
3200

- Compatible with low-current or high-current products, or any light with a built-in flasher

4200

- Includes WeCan® port that supports WeCan lightbars, or WeCan external amplifier

DIMENSIONS



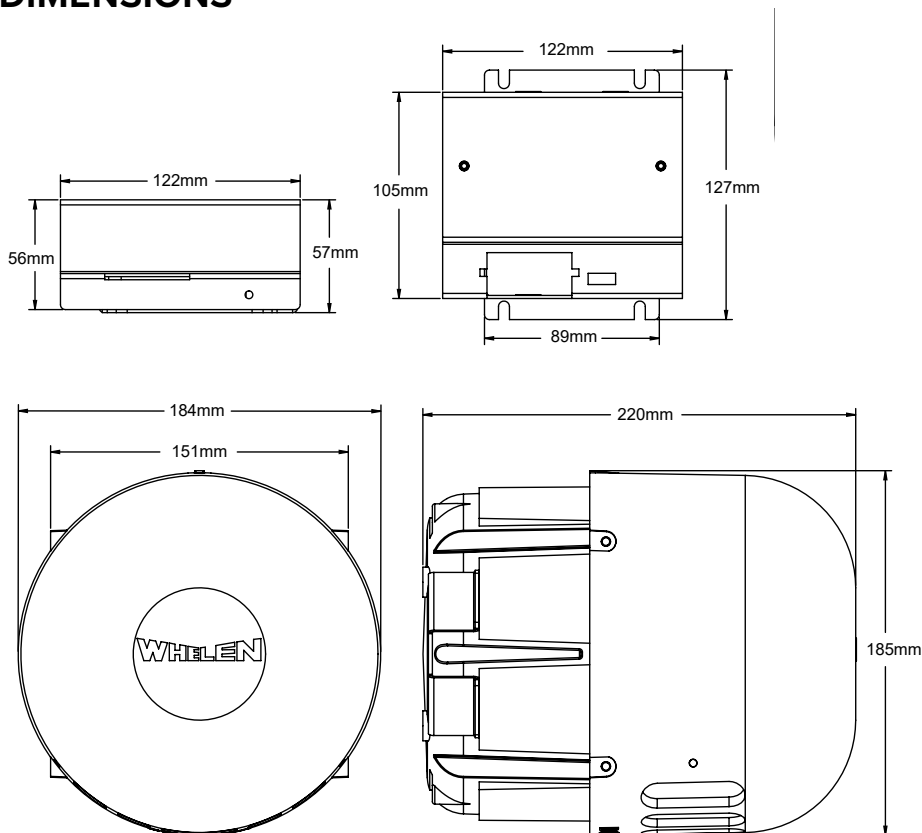
Howler™ Siren System



FEATURES

- Low-frequency siren and speaker system
- Provides deep tones to penetrate other vehicles
- Howler is an add-on to any 100/200 watt siren amplifier and is not a replacement to the vehicle's primary siren
- Uses low frequency tones to synchronize with the vehicle's primary siren tones
- Works with any sweeping, Hi/Low, or electronic mechanical tones generated by the primary siren
- Certain vehicle models may utilize single or dual speaker systems

DIMENSIONS



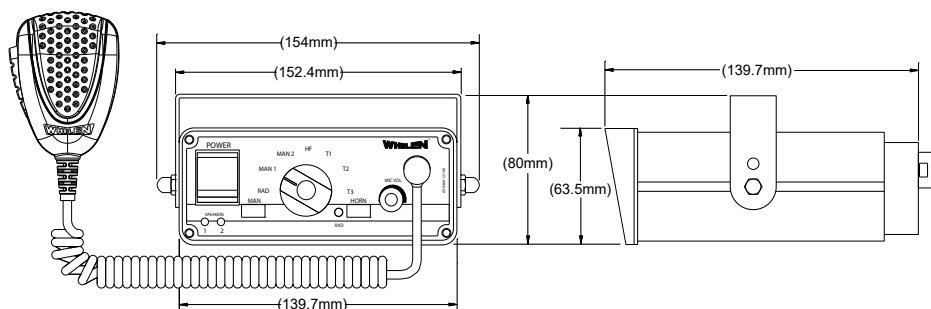
295 Series Electronic Sirens



FEATURES

- Combination On/Off and horn ring transfer switch
- Solid-state over/under voltage shutdown and output short circuit protection
- Input polarity protection
- Models available with SI TEST®, a silent, self-diagnostic indicator of siren or speaker failure
- Recess or bail bracket for under dash mounting. Adjustable bail bracket allows mounting in a variety of positions

DIMENSIONS



Alpha™ / Euro Siren Amplifier

ALPHA: 2YR 12 100

EURO: R10 2YR 12 24 200 FREE



FEATURES

- Compact design is ideal for undercover and volunteer applications
- Control siren tone through horn ring or separate switches
- Hands-free operation
- Harmonically rich composite Airhorn tones
- Output open/short circuit protection
- Easy to install
- Pre-wired with quick disconnect plugs for easy service and fast replacement

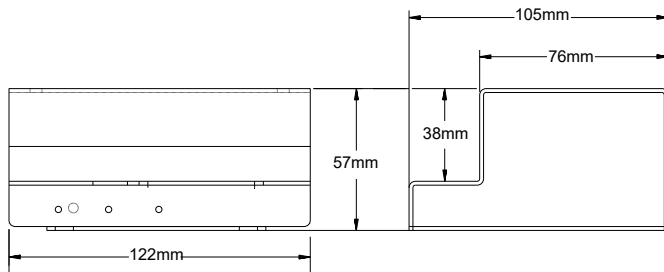
ALPHA12S

- Five siren tones
- Operates one 100-watt siren speaker
- Dip switch access allows instant configuration of popular operating features
- Compact design is easy to install under the dash, in a console, or in a rack

ALPHA12SL / EURO

- 18 Scan-Lock™ siren tones
- Operates one or two 100-watt siren speakers
- Five optional switch panels available. Will also operate from customer supplied switching controls

DIMENSIONS



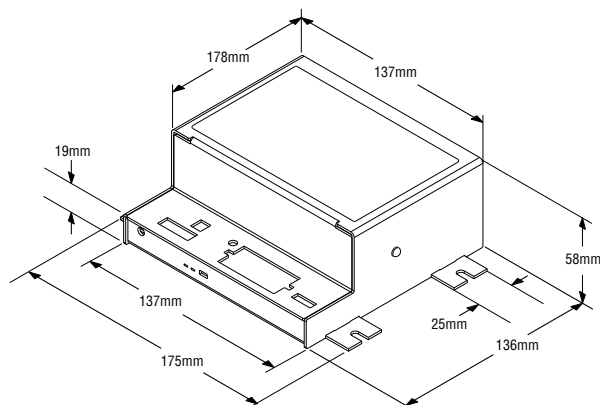
Beta™ Siren Amplifier



FEATURES

- Public address and radio repeat functionality
- PA override in all functions
- 16 Siren tones available, including Wail, Yelp, Piercer, High-Low, B-Wail, B-Yelp, B-Hi/Low and AirHorn tones
- Conveniently accessible dip switches on remote amplifier allows instant configuration of eight modes of operation
- Pre-wired with quick disconnect plug

DIMENSIONS



WSSC30 Speaker



FEATURES

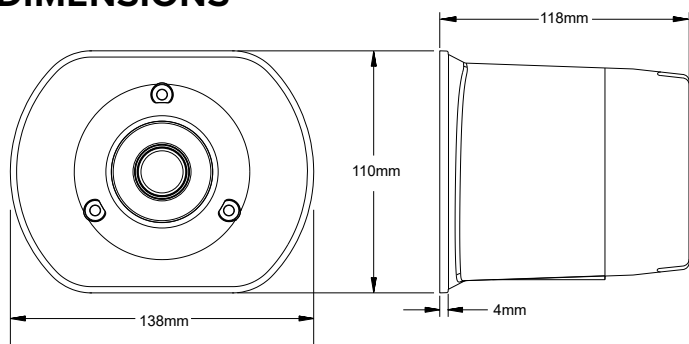
- Combination siren and speaker in a single unit
- Four modes of operation
- Hands-free operation for Wail and Yelp tones
- Airhorn switch produces airhorn as a main tone and an override tone
- Two way "L" mounting bracket
- Housing and water-resistant connectors provide vibration and moisture resistance
- Motorcycle switch available

OPTION



Optional Motorcycle Switch

DIMENSIONS



SA315 ProjectorTM Series

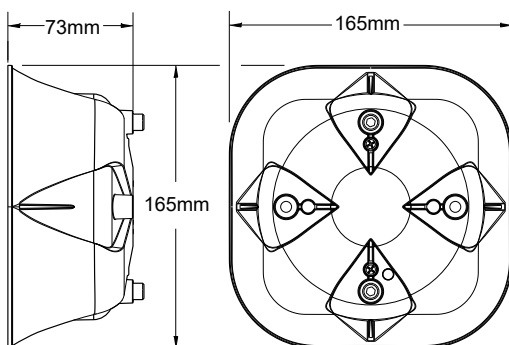
R10 2YR



FEATURES

- All-weather nylon composite housing with front loaded, powder-coated speaker driver
- Optimum performance assured when used with all Whelen high-power electronic sirens
- Easily installs to the radiator cross member
- Universal mounting bracket

DIMENSIONS



SA314 ProjectorTM Speaker

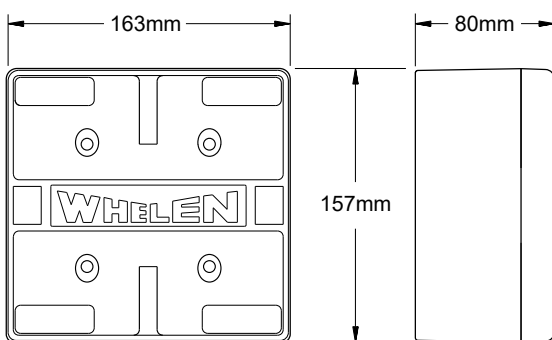
R10 2YR



FEATURES

- All weather, non-corrosive cast aluminum housing
- Optimum performance assured when used with all Whelen high-power electronic sirens
- Easily installs to the radiator cross member
- Universal mounting bracket
- Field replaceable driver and diaphragm

DIMENSIONS



SA340TS/SA340STS Speaker

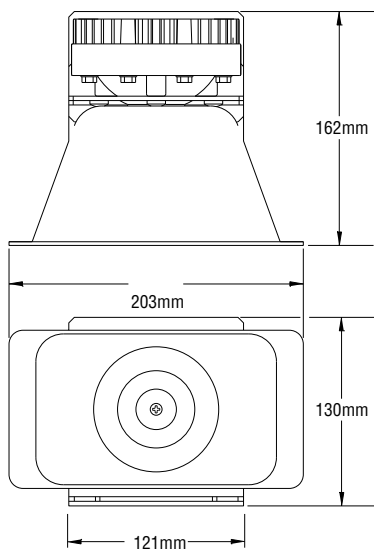
R10 **2YR**



FEATURES

- Optimum performance assured when used with all Whelen high-power electronic sirens
- Multiple flare styles provide a variety of projection angles
- Universal mounting bracket

DIMENSIONS



EUROPEAN CATALOGUE

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