F∑los[™]

MODULAR LED LIGHTBAR SYSTEM

1965

AXIOS



TOUGH. ADAPTABLE. JOB-READ'

JUST LIKE YOU

The revolutionary Axios[™] modular LED lightbar system takes safety and on-the-job performance to a new level. Choose from seven high-performance LED lighting options with exclusive DropLock[™] technology that feature simple twist-lock placement virtually anywhere in the bar.

Backed by a 5-year warranty, it all adds up to a better lightbar without the wait.

NO TOOLS COUNTLESS OPTIONS

Unlimited build options. More operational flexibility. More opportunity. The Axios system enables you to design, build, and deploy the ultimate warning light solution. No-tools convenience makes building, reconfiguring, or upgrading your lightbar fast and easy.

00-DAY LEAD TIME

Configure Axios on the spot to meet your exact needs and put your vehicle to work the same day. No more waiting on factory schedules and shipping times. Experience on-site, on-demand assembly today at your local ECCO certified Axios Partner.

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MATERIALS + SCIENCE = RESULTS

Axios combines advanced materials, cutting edge design, and innovative product engineering from ECCO's R&D headquarters to create the world's first modular LED lightbar system. Patents pending.

PROVEN RELIABLE

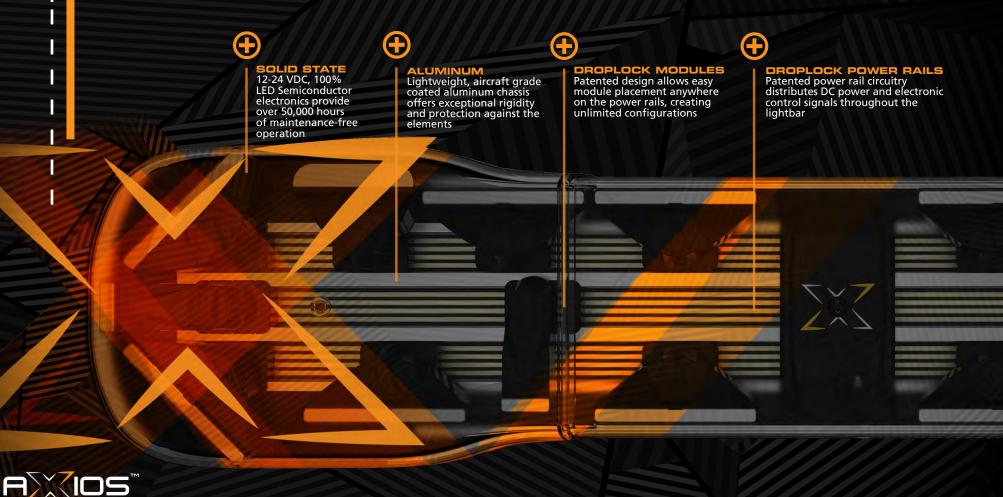
Axios, like all ECCO products, is built to a higher standard – ours. We abuse Axios in our labs and in the most extreme real world environments so you can confidently depend on it in the harshest of conditions.





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Constructed from premium grade materials, each Axios chassis features a central control board that distributes power and control signals via tracks inside the three DropLock power rails spanning the length of the lightbar. A built-in locking mechanism allows warning and scene light modules to be securely positioned (or repositioned) quickly and effortlessly, without wires or fasteners.



BUILD IT UP

LIGHT IT UP

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RXIOS

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POLYCARBONATE Impact resistant and UV stable lens, chassis shroud, adjustable mounting feet, and module housings

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ONE SYSTEM

COUNTLESS OPTIONS



Mission-specific LED warning and auxiliary lighting modules allow Axios operators to alert the public, direct traffic and illuminate the scene. Choose from three types of warning modules and a variety of options including scene lighting and stop-tail-indicators to suit your specific application. Featuring the most durable materials, advanced optical design, and the latest high-intensity LEDs, each Axios module is engineered to the highest performance standards.

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905-1993-00 MD EX XXXX





DIRECTIONAL

EZ1401X | 12-24 VDC | 0.9 Amps Amber, Blue, Clear, Green, or Red

Six high-performance 3-watt LEDs and wideangle TIR optics coupled with the ability to adjust the output direction of these lights ensures full 360° SAE Class I, California Title 13, and ECE R65 compliance. Each module provides a uniform 120° horizontal beam and can be positioned anywhere along the power rail, in the front, rear, or corners (at 45°).

EZ1402X | 12-24 VDC | 1.0 Amps Amber, Blue, Clear, Green, or Red

14 high-performance 3-watt LEDs combined with a reflective internal housing and lenticular optics deliver full 360° warning in a single unit. The beacon module can be programmed to flash in unison with directional warning modules and also includes a simulated rotating warning signal. SAE Class I, California Title 13, and ECE R65 compliant.

SAFETY DIRECTOR[™]

EZ1414 | 12-24 VDC | 2.5 Amps Amber

The LED Safety Director module is a selfcontained warning system designed to direct traffic approaching from the rear of a stationary vehicle. Featuring a total of thirty-six 3-watt LEDs and nine flash patterns, this compact light-stick is mounted outside the lightbar enclosure to maximize options within the bar and is operated via the keypad controller independently from the internal warning modules. SAE Class I.

WORKLAMP EZ1403WL | 12-24 VDC | 0.9 Amps

These flood beam modules feature four 3-watt LEDs that project 900 lumens of bright white light to illuminate your work scene after nightfall. Worklamp modules can be mounted either front or rear facing, anywhere along the length of the lightbar.

ALLEY LIGHT EZ1403AL | 12-24 VDC | 0.9 Amps

Utilizing the same 900 lumen, flood beam design as the worklamp module, these lights are specifically intended to shine light to the sides of the vehicle, ideal for illuminating alleyways, finding pallet locations, or identifying building numbers in dark conditions.

STOP-TAIL-INDICATOR EZ1404 | 12-24 VDC | 0.3 Amps

Stop-Tail-Indicator modules operate in conjunction with the vehicles tail, brake, and direction indicator lights to provide supplemental, high level warning of vehicle movements, especially useful for dangerous on-highway applications or where your application may obscure factory installed vehicle lighting. ECE R6 & R7 compliant.

CENTER ILLUMINATION EZ1411-48, 54, 60, 72 | 12-24 VDC | 0.3-1.4 Amps

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Using an opal colored lens and LED strip lighting, the center illumination module provides a soft-glow cruise light option. No other modules are needed in the center section of the lightbar. Vinyl lettering can also be applied to provide backlit signage.

RECOVER

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ABSOLUTE

CONTROL

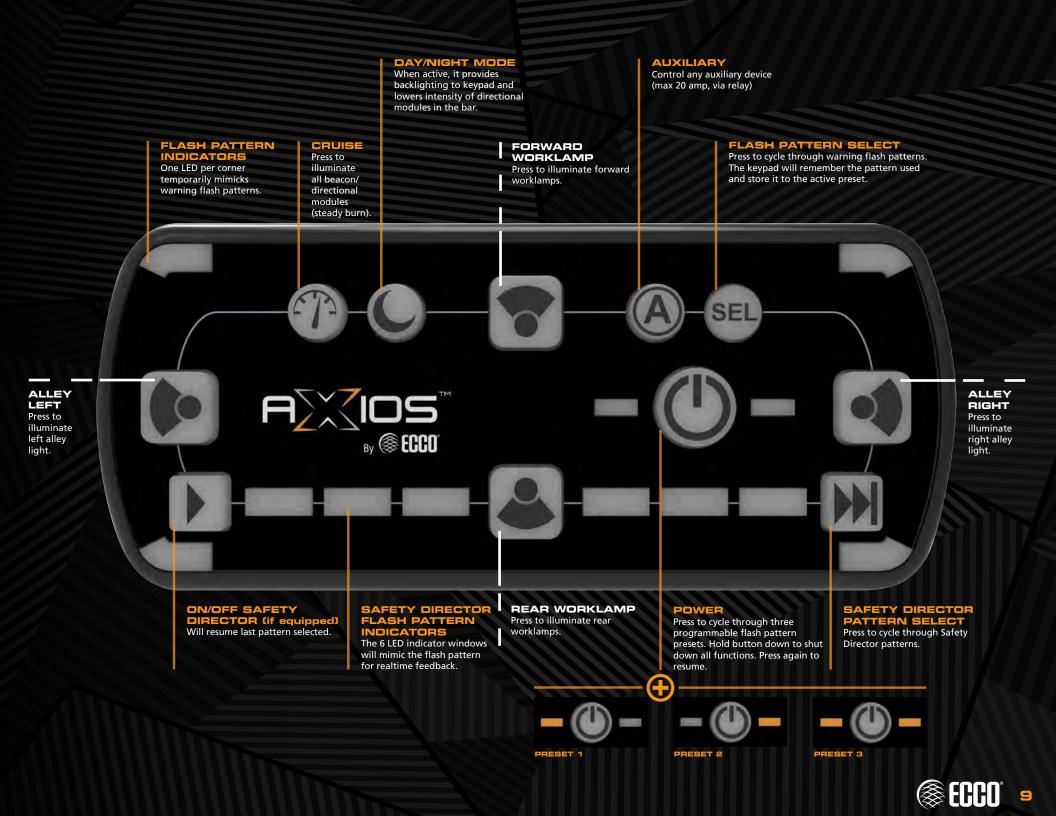
FUNCTIONS

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Tactile switches Flash pattern selection/memory Flash pattern feedback Hi/lo intensity control Cruise mode Stop/resume Convenient mounting options

Optimum Awareness. The included **EZ1405** keypad controller operates all nine functions of the lightbar and features soft-glow backlit switches as well as visual indicators that temporarily simulate the selected flash pattern. Axios operators know exactly what the lightbar is doing at any moment, without being distracted. The controller can even remember and resume previously activated functions for added convenience. Five cable routing options and three mounting options ensure clean and tidy installation in any cab.





STANDARD

UNLIMITED POSSIBILITIES

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AXIOS

Suitable for any application where width of vehicle warning is desired, Axios is available in five chassis lengths to suit any specific need. Choose from seven standard configurations or design one yourself in no time!

39³⁹ Ideal for use on small vans and other light commercial vehicles. This compact general purpose warning solution is ideal for professionals from plumbers to pilot car operators.

48" The perfect length for mid-size vans and pick-ups with plenty of space for auxiliary options.

54" The optimum length for full-size vans, pick-ups and smaller tow trucks. This is our most popular bar length.

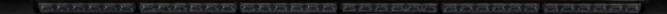
GO³¹ Ideal for large tow trucks, plows, sweepers, and other heavy road vehicles. The 30" mid-section provides ample room for supplemental warning and auxiliary lighting.

72" Designed for use on the largest commercial vehicles including plows, semi-tractors, and other Class 8 vocational trucks. This bar is so spacious the potential configurations of warning and productivity modules are virtually endless.



CERTIFIED

WORRY-FREE



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CERTIFICATIONS

Beacons & Directionals: SAE J845 Class I, California Title 13, ECE Regulation 65 Safety Directors: SAE J595 Class I Stop-Tail-Indicators: ECE Regulation 6 & 7 Lightbar: ECE Reg 10

Compliance with SAE Class I, California Title 13 and ECE Regulation 65 is dependent on both the specific configuration of warning modules within the lightbar and the selected flash pattern.



+ WARNING MODULE

BescriptionSteady Burn CA Title 13 Double CA Title 12 Slow Out

CA Title 13 Slow Quad 65 \checkmark 3 CA Title 13 Slow Double 65 4 \checkmark CA Title 13 Quint 75 \checkmark 5 75 Pulse8 6 \checkmark **R65** Single 120 7 \checkmark R65 Double 120 8 \checkmark R65 Triple 120 9 \checkmark 10 R65 Quad 120 \checkmark R65 Burst 11 120 \checkmark 12 R65 Single Side-to-Side 120 \checkmark R65 Double Side-to-Side 120 13 \checkmark R65 Triple Side-to-Side 120 14 \checkmark 15 R65 Quad Side-to-Side 120 \checkmark 16 R65 Burst Side-to-Side 120 \checkmark **Quad Alternate Side-to-Side** 75 17 \checkmark 18 Quad Cross Alternate 75 \checkmark Double Alternate Side-to-Side 75 19 \checkmark Double Cross Alternate 75 20 \checkmark **Quint Alternate Side-to-Side** 75 21 \checkmark 22 Ouint Cross Alternate 75 \checkmark Quad Alternate Side-to-Side Front 75 23 \checkmark 24 Quad Alternate Side-to-Side Rear 75 \checkmark 25 Double Alternate Side-to-Side Front 75 \checkmark

- 26 Double Alternate Side-to-Side Rear 75
- 27 Quint Alternate Side-to-Side Front28 Ouint Alternate Side-to-Side Rear75
- 20 Quint Alternate site to site rear 75 20 Quint Alternate site 10 site rear 75
- 29 Cycle All (2, 3, 5, 6, 13, 15, 16)

ROTATE MODE (Beacons Only)# DescriptionFPM SAE T13 R65*1R65 Rotate120

FLASH MODE (Safety Directors Only)

SAE

 \checkmark

- # Description
- 1 Left

FPM SAE T13 R65*

 \checkmark

 \checkmark

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- 2 Left Solid
- 3 Right
- 4 Right Solid
- 5 Center Out
- 6 Center Out Solid
- 7 Wig Wag
- 8 Alternating
- 9 Alternating Quad Flash



*All R65 flash patterns meet ECE Regulation 65 Class II with the exception of rotate mode which meets Class I only.

HASSLE-FREE

INSTALLATION

Each Axios lightbar is supplied with a pair of tilt adjustable mounting feet and features length-of-the-bar mounting tracks that make installation easy for any roof or flat mounting surface. ECCO also offers strap mounting kits for the most popular work vehicles as well as headache rack mounting brackets.

In addition, Axios features CAN bus technology for fast, easy wiring. The lightbar is inoperable without the interior mounted junction box which provides both lightbar theft protection and allows easy routing of cable from the vehicle wiring loom to the lightbar and controller. If discrete wiring via switches is preferred, the junction box features separate control inputs and an auxiliary output for additional equipment that can also be operated via the controller (20A max).



STRAP MOUNTING KITS

Make	Туре	Year	Part #
Ford	Super Duty Truck	2010-2015	A1026RMK
Ford	Truck, 1/2T	2010-2015	A1025RMK
Ford	Truck, 1/2T	2004-2009	A1010RMK
Ford	Truck, 3/4-1T	1999-2009	A1012RMK
Ford	Crown Victoria	1998-2013	A1013RMK
Ford	Truck Crew Cab, 1/2T	1997	A1014RMK
Dodge	Charger	2011-2015	A1031RMK
Dodge	Charger	2007-2010	A1029RMK
Dodge	Truck, 1/2-1T	2002-2013	A1011RMK
GM	Truck, 1/2-1T	2015	A1025RMK
GM	Truck, 1/2-1T	2010-2014	A1027RMK
GM	Truck, 1/2-1T	1999-2009	A1011RMK
Headache Rack Mounting Brackets			A1401RMK
Keypad (EZ1415		

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