

12+ SERIES LIGHTBAR
**ESTABLISH
YOUR PRESENCE**



ESG EMEA HQ,
Leeds, UK



At ESG, safety is our purpose. ECCO is the global leader in 'Safety Solutions'.

For over 50 years, ECCO Safety Group (ESG) has designed and manufactured some of the world's most effective and innovative visual and audible warning equipment for commercial and public safety vehicles, providing superior protection and enhanced safety both on job sites and out on the road. ECCO serves thousands of OEM and private label, fleet and aftermarket customers in a range of industries.

ESG has facilities in Americas, Europe, Asia and Australia and a portfolio of the most respected brands in the industry. While we have reached global success, at our core we are committed to providing superior protection and enhanced safety to all of our customers.

Our mission is to develop 'Safety Solutions' to help protect your most important asset, people.

EMEA locations:

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SAFETY SOLUTIONS



ECCO lightbars are trusted by professionals across the globe, and for good reasons. With durability design, performance and quality that are unmatched in the field, lightbars from ECCO feature a multitude of functions in one single product, making them top of the list for operators.

The New 12+ series LED lightbars are versatile and powerful warning devices suitable for a wide range of vehicle types and duties. Now available in eight length options with a sleek low-profile styling, durable aluminium chassis, polycarbonate base and lens. New features include 457mm centre section combined with a 305mm end section allowing for configurations in shorter lengths for more versatility on smaller vehicles. 457mm LED centre illumination with opal lens section allows for customised signage to personalise and distinguish your lightbar. A choice of clear & amber lenses increases the customisation options even further. The 12+ series LED lightbars supports three kinds of LED modules including: single and dual colour warning, stop-tail-indicator, and alley/worklight. Custom configurations are available on request.

- Exceptional EMC performance, Industry leading CISPR 25 (Radiated + Conducted Emissions)
- Optional Integrated Safety Director™ (must be configured)
- Colour options:
- LED modules: single and dual colour warning, stop-tail-indicator, and alley/worklight
- Standard configurations with worklamps, alley lights, stop-tail-indicator are available
- ICE optic warning modules offer brighter appearance for better visibility
- Configurations available for applications where ICAO is a requirement
- Eight length options - 610mm, 760mm, 910mm, 1070mm, 1212mm, 1372mm, 1524mm, 1828mm
- Shorter lengths - 305mm end section and 457mm centre sections
- Coloured lenses - Amber, Blue & Clear
- LED centre illumination available in 457mm
- R65 Class I for Amber configurations with Amber & Clear lenses
- R65 Class II available on request and must be ordered with an Advanced Controller
- Aluminium chassis, polycarbonate base and lens
- Temperature Range: -30°C to +50°C
- Height: 63.5mm, width: 279.5mm
- Voltage: 12-24VDC
- Custom configurations are available on request
- Made in UK

To view the 12+ series LED lightbar video, visit
YouTube.com - ECCO Safety Group EMEA

SYMBOL GUIDE

#			
Part No.	Warranty	Approvals	
C	T	V	A
Colour	Type	Volts	Amps

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FEATURES & BENEFITS

LED Modules



ECCO designed ICE optic LED modules are available in both single and dual colour options to offer improved versatility for usage in multiple vehicle applications.

LED Centre Illumination



LED centre illumination is now available in 457mm with opal lens section, allowing customised signage to distinguish and personalise your lightbar.

Coloured Lenses



A choice of clear and amber lenses are now available, increasing the customisation options even further. All coloured lens options are approved to ECE R65.

Shorter Lengths



New 457mm centre section combined with 305mm end sections allow for configurations in shorter lengths for more versatility on smaller vehicles.

Safety Director



The LED Safety Director is a built-in warning system using the front facing LED warning modules. This function is designed to direct traffic approaching from the front, rear or both directions of a stationary vehicle.

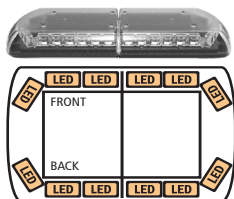
Advanced Controller



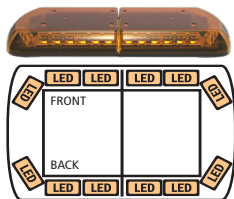
The EZ1202 is the in-cab Advanced Controller provides convenient control of the lightbars built in flash patterns and features soft touch buttons and LED function indicator lights.

STANDARD CONFIGURATIONS

24" | 610mm

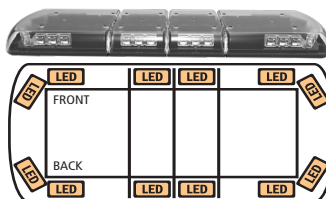


- # 12-30174-E
C Amber Illumination
T 12 LEDs
V 12-24
A 7.2
 ✓ EMC, R65 Class I, R10
 ⌚ 5 Year

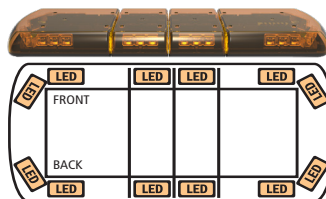


- # 12-30178-E
C Amber
T 12 LEDs
V 12-24
A 7.2
 ✓ EMC, R65 Class I, R10
 ⌚ 5 Year

36" | 910mm

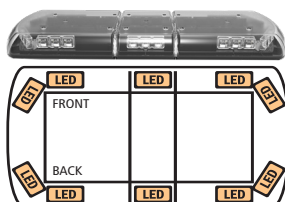


- # 12-30176-E
C Amber Illumination
T 12 LEDs
V 12-24
A 7.2
 ✓ EMC, R65 Class I, R10
 ⌚ 5 Year

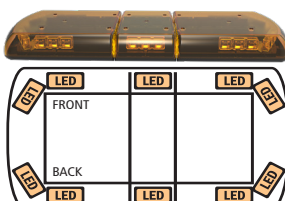


- # 12-30180-E
C Amber
T 12 LEDs
V 12-24
A 7.2
 ✓ EMC, R65 Class I, R10
 ⌚ 5 Year

30" | 760mm

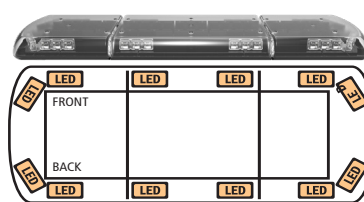


- # 12-30175-E
C Amber Illumination
T 10 LEDs
V 12-24
A 6.0
 ✓ EMC, R65 Class I, R10
 ⌚ 5 Year



- # 12-30179-E
C Amber
T 10 LEDs
V 12-24
A 6.0
 ✓ EMC, R65 Class I, R10
 ⌚ 5 Year

42" | 1070mm



- # 12-30177-E
C Amber Illumination
T 12 LEDs
V 12-24
A 7.2
 ✓ EMC, R65 Class I, R10
 ⌚ 5 Year



- # 12-30181-E
C Amber
T 12 LEDs
V 12-24
A 7.2
 ✓ EMC, R65 Class I, R10
 ⌚ 5 Year

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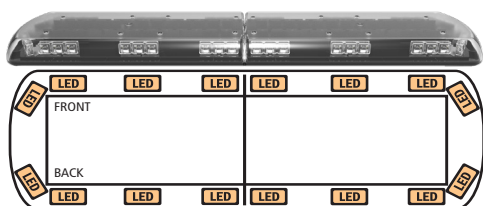
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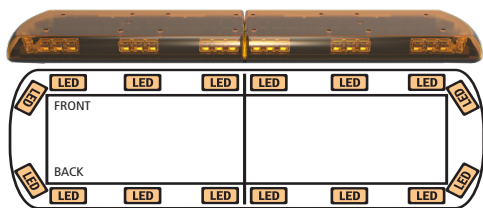
STANDARD CONFIGURATIONS

48" | 1212mm



12-30009-E

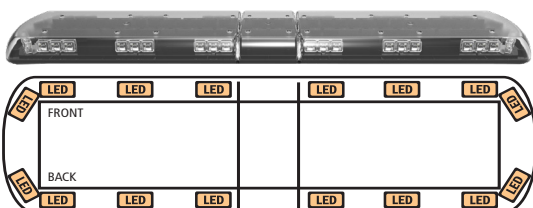
- C** Amber Illumination
- T** 16 LEDs
- V** 12-24
- A** 9.6
- ✓ EMC, R65 Class I, R10
- 🕒 5 Year



12-30190-E

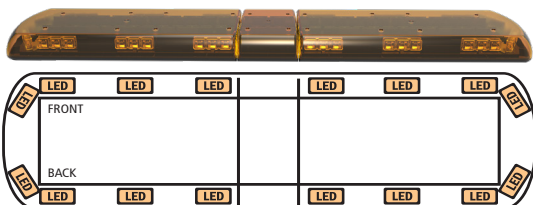
- C** Amber
- T** 16 LEDs
- V** 12-24
- A** 9.6
- ✓ EMC, R65 Class I, R10
- 🕒 5 Year

54" | 1372mm



12-30010-E

- C** Amber Illumination
- T** 16 LEDs
- V** 12-24
- A** 9.6
- ✓ EMC, R65 Class I, R10
- 🕒 5 Year



12-30191-E

- C** Amber
- T** 16 LEDs
- V** 12-24
- A** 9.6
- ✓ EMC, R65 Class I, R10
- 🕒 5 Year

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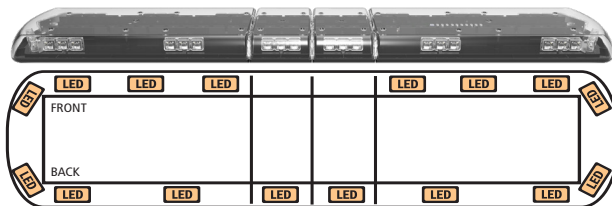


ESG EMEA

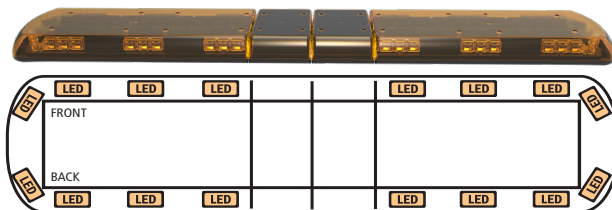
12-24 VDC | ECE R65 | ECE R10 | 5 Year Warranty

STANDARD CONFIGURATIONS

60" | 1524mm

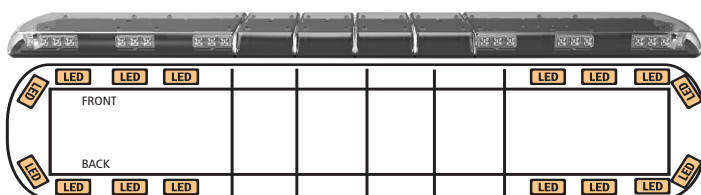


- # 12-30011-E
- C Amber illumination
- T 16 LEDs
- V 12-24
- A 9.6
- ✓ EMC, R65 Class I, R10
- ⌚ 5 Year



- # 12-30192-E
- C Amber
- T 16 LEDs
- V 12-24
- A 9.6
- ✓ EMC, R65 Class I, R10
- ⌚ 5 Year

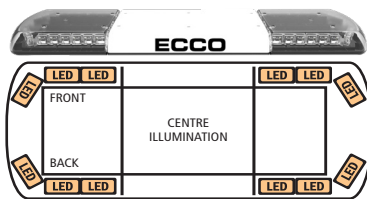
72" | 1828mm



- # 12-30016-E
- C Amber Illumination
- T 16 LEDs
- V 12-24
- A 9.6
- ✓ EMC, R65 Class I, R10
- ⌚ 5 Year

STANDARD CONFIGURATIONS

Centre Illumination Configurations



12-30186-E

42" | 1070mm

- C Amber Illumination
- T 12 LEDs, LED Centre Illumination
- V 12-24
- A 7.4
- ✓ EMC, R65 Class I, R10
- ⌚ 5 Year

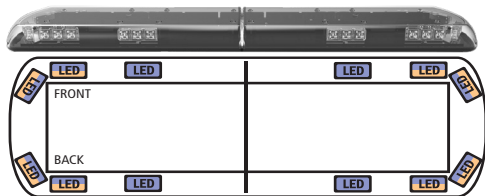


12-30187-E

42" | 1070mm

- C Amber
- T 12 LEDs, LED Centre Illumination
- V 12-24
- A 7.4
- ✓ EMC, R65 Class I, R10
- ⌚ 5 Year

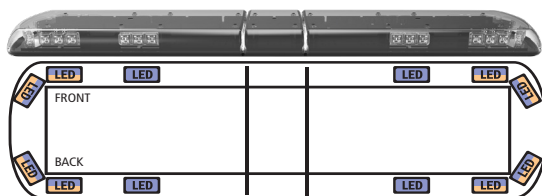
Dual Colour Configurations



12-30017-E

48" | 1212mm

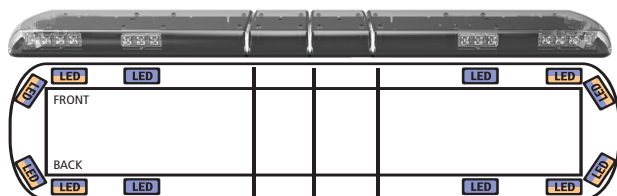
- C Amber/Blue Illumination
- T 12 LEDs
- V 12-24
- A 7.2
- ✓ EMC, R65 Class I, R10
- ⌚ 5 Year



12-30001-E

54" | 1372mm

- C Amber/Blue Illumination
- T 12 LEDs
- V 12-24
- A 7.2
- ✓ EMC, R65 Class I, R10
- ⌚ 5 Year



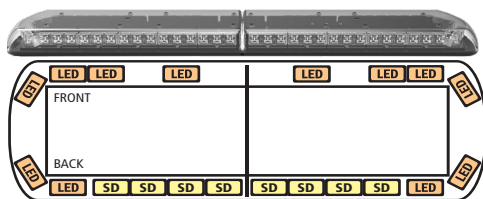
12-30003-E

60" | 1524mm

- C Amber/Blue Illumination
- T 12 LEDs
- V 12-24
- A 7.2
- ✓ EMC, R65 Class I, R10
- ⌚ 5 Year

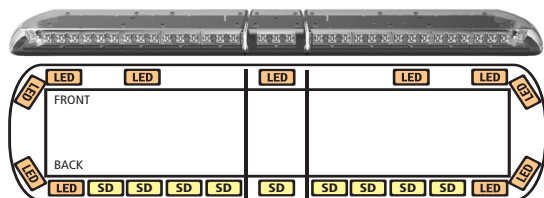
STANDARD CONFIGURATIONS

Safety Director Configurations



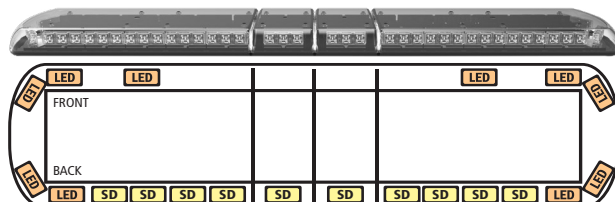
- # 12-30018-E
- C Amber Illumination
- T 20 LEDs, Safety Director
- V 12-24
- A 12.0
- ✓ EMC, R65 Class I, R10
- 🕒 5 Year

48" | 1212mm



- # 12-30002-E
- C Amber Illumination
- T 20 LEDs, Safety Director
- V 12-24
- A 12.0
- ✓ EMC, R65 Class I, R10
- 🕒 5 Year

54" | 1372mm

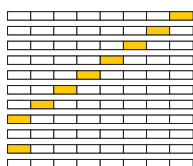


- # 12-30004-E
- C Amber Illumination
- T 20 LEDs, Safety Director
- V 12-24
- A 12.0
- ✓ EMC, R65 Class I, R10
- 🕒 5 Year

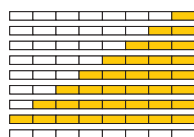
60" | 1524mm

Integrated Safety Director Flash Patterns

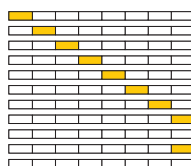
LEFT



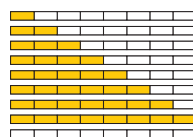
LEFT SOLID



RIGHT



RIGHT SOLID



CENTRE OUT



CENTRE OUT SOLID



WIG WAG



ALTERNATING QUAD FLASH



ALTERNATING SINGLE FLASH



The LED Safety Director is a built in warning system designed to direct traffic approaching from the front, rear or both directions of a stationary vehicle. Between 6 and 10 LED modules (front and rear) can be selected to display the Safety Director patterns by turning the existing Flash Pattern modules into dedicated Safety Director modules. These patterns can be selected through the Advanced Controller.

FLASH PATTERNS

All standard configurations of the 12+ series LED lightbars are automatically programmed to R65 flash patterns.

#	PATTERN	R65	FPM	#	PATTERN	R65	FPM
1	Steady	-	50	25	Double Alternate	-	150
2	Double	-	75	26	Double Alternate Centre Pulse	-	150
3	Quad Title 13	-	65	27	Double Cross Alternate	-	150
4	Double Title 13	-	65	28	Quint Hold Alternate	-	150
5	Quint	-	75	29	Quint Hold Alternate Centre Pulse	-	150
6	Pulse 8 Burst	-	75	30	Quint Hold Cross Alternate	-	N/A
7	Reg 65 Single	✓	123	31	Fast Rotate	-	N/A
8	Reg 65 Double	✓	123	32	Rotate Quad	-	N/A
9	Reg 65 Triple	✓	123	33	Wave Rotate	-	N/A
10	Reg 65 Quad	✓	123	34	Quad Alternate Front	-	150
11	Reg 65 Burst	✓	123	35	Quad Alternate Rear Centre Pulse	-	150
12	Reg 65 Single Alternate	✓	123	36	Quad Alternate Rear	-	150
13	Reg 65 Double Alternate	✓	123	37	Quad Alternate Rear Centre Pulse	-	150
14	Reg 65 Triple Alternate	✓	123	38	Double Alternate Front	-	150
15	Reg 65 Quad Alternate	✓	123	39	Double Alternate Centre Pulse	-	150
16	Reg 65 Burst Alternate	✓	123	40	Double Alternate Rear	-	150
17	Single Alternate Centre Pulse	-	123	41	Double Alternate Rear Centre Pulse	-	150
18	Double Alternate Centre Pulse	-	123	42	Quint Hold Front	-	150
19	Triple Alternate Centre Pulse	-	123	43	Quint Hold Front Centre Pulse	-	150
20	Quad Alternate Centre Pulse	-	123	44	Quint Hold Rear	-	150
21	Burst Alternate Centre Pulse	-	123	45	Quint Hold Rear Centre Pulse	-	150
22	Quad Alternate	-	150	46	Quint Alternate Middle	-	75
23	Quad Alternate Centre Pulse	-	150	47	Quint Alternate Middle Centre Pulse	-	75
24	Quad Cross Alternate	-	150	48	Random	-	N/A

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	12-30179-E	5	760mm	10	Amber	-	5
	12-30176-E	5	910mm	12	Amber	-	5
	12-30180-E	5	910mm	12	Amber	-	5
	12-30177-E	5	1070mm	12	Amber	-	5
	12-30181-E	5	1070mm	12	Amber	-	5
	12-30186-E	8	1070mm	12	Amber	Centre Illumination	5
	12-30187-E	8	1070mm	12	Amber	Centre Illumination	5
	12-30009-E	6	1212mm	16	Amber	-	5
	12-30190-E	6	1212mm	16	Amber	-	5
	12-30010-E	6	1372mm	16	Amber	-	5
	12-30191-E	6	1372mm	16	Amber	-	5
	12-30011-E	7	1524mm	16	Amber	-	5
	12-30192-E	7	1524mm	16	Amber	-	5
	12-30016-E	7	1828mm	16	Amber	-	5
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	12-30001-E	8	1372mm	12	Amber/Blue	Dual Colour	5
	12-30003-E	8	1524mm	12	Amber/Blue	Dual Colour	5



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