

# CKO

THE VEHICLE SAFETY EXPERTS



## LIGHTING CATALOGUE

Issue 3.0



# WELCOME >>

## The Vehicle Safety Experts

CKO have been involved in the design, development, and distribution of vehicle safety products and solutions for over 40 years. We work directly with established manufacturers in the UK, Europe, and Far East to meet the safety requirements of our customers in the commercial vehicle and automotive industries. CKO hold an extensive range of products in stock; with competitive lead times to meet specific customer requirements.

### HAVE CONFIDENCE IN YOUR PURCHASE

Our experienced sales team are on hand to offer you tailored support to meet your needs, and the requirements of your customers. With extensive knowledge regarding DVS and FORS standards, as well as other forms of compliance, CKO always demonstrate clear capability when it comes to facilitating your regulatory standard queries. Our dedicated technical helpline offers long-term support for our products. We offer high-quality products, value for money, and great service. Customer satisfaction is at the core of our business.



ORDER  
ONLINE  
>>

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# LIGHTING CONTENTS >>

Welcome to our diverse range of high-performance vehicle lighting, designed to meet your requirements in terms of both specification and aesthetics. With unparalleled reliability, durability, and brightness, our products ensure both functionality and safety in every situation.

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# WARNINGS >>

Kindly review the following warning messages regarding our lighting products. These details are important to ensure safe usage.



**Warning:** Avoid looking directly at LEDs while they are in operation. Doing so may result in temporary vision impairment or permanent eye damage.



**Warning:** It is not recommended to use magnetically mounted warning devices on vehicles as a permanent addition, magnetically mounted warning devices are designed for temporary usage. The device may become dislodged while the vehicle is moving at speed, posing a risk of damage to the vehicle or injury to people nearby.

# ABOUT US >>

## VEHICLE SAFETY EXPERTS

For over 40 years, CKO have provided tailored innovative products and solutions to a variety of different industries; from Tier 1 OEMs to vehicle builders and distributors.

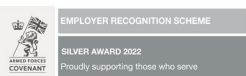
This accumulation of extensive expertise has enabled CKO to not only supply products, but to also design, develop and manufacture bespoke products, built to exceed our client's specifications. If your vehicles have complicated requirements, sought unique features, or have a difficult installation location, an off the shelf product may not be good enough. Our team works closely with clients to produce a solution that can be delivered on time and within budget.

CKO are often called upon by distributors and resellers alike to provide a wide range of cameras, monitors, DVRs, cable assemblies, bracketry, and software; all of which offer impressive functionality to solve customers' vehicle safety needs. We have now extended upon this range with our new lighting products.

These products individually contribute when it comes to significantly reducing the likelihood of an incident, and therefore reducing the need for time-consuming (and costly) repairs. When combined, these products produce a complete system; allowing you to clearly observe the rear, front, and sides of your vehicle when reversing and manoeuvring.



## AFFILIATED WITH



## OUR SERVICE SUMMARY FOR BESPOKE PRODUCTS



## TECHNICAL KNOW-HOW AND WARRANTY RETURNS

Buying from CKO brings you the additional reassurance of our in-house technical team. We thoroughly evaluate and test all our products before they go to market. This, together with our technical helpline, allows us to provide a full backup service to our customers who can have the confidence in our long-term support and warranty responsibilities.

## WARRANTY TERMS AND CONDITIONS

CKO warrants all goods to be free from defect in material and workmanship in normal use, provided that they have been installed and operated in accordance with the instructions supplied. The start date of all warranties is the date of delivery to the purchaser, unless otherwise agreed in writing by CKO. The period during which the 12 or 24-month applies is stated above. CKO make no other warranty, express or implied, with respect to the goods, their marketability, quality, or fitness for any particular use or purpose. In particular, but without prejudice to the general provisions of the conditions of sale, no responsibility is assumed for incidental or consequential loss by reason of any warranty express or implied.

Full details of CKO's Terms and Conditions are contained on our website at [www.c-ko.co.uk](http://www.c-ko.co.uk). CKO International Limited reserves the right to change terms, conditions, and specifications shown in this catalogue at any time. All Information within this catalogue was correct at time of going to print.

# CATEGORY 2 Beacons



## BEACONS / 8 LED

### CKO-LED-211-1B-A

### Amber Beacon 8 LED 1 Bolt



- Lens: Amber
- Fixing: 1 Bolt
- Approval: ECE R10 / R65
- Voltage: 9-30v
- IP Rating: IP67
- LEDs: 8
- Patterns: 4 Selectable Flash Patterns
- Dimensions: 110mm x 130mm
- Flash pattern programming via push button under lens
- Polycarbonate lens
- -30° to +60° operating temperature

### CKO-LED-211-3B-A

### CKO-LED-211-FD-A



### Amber Beacon 8 LED 3 Bolt

### Amber Beacon 8 LED Flexi Din

- Fixing: 3 Bolt
- Dimensions: 104mm x 154mm

- Fixing: Flexi Din
- Dimensions: 195mm x 130mm

### CKO-LED-211-M-A

### CKO-LED-BRACKET1



### Amber Beacon 8 LED Magnetic Mount

### Pole Mount Bracket for Flexi Din

- Fixing: Magnetic Mount
- Dimensions: 118mm x 154mm

- Made from Iron
- Dimensions 102 x 24mm
- Only used with flexi din stem products

# BEACONS / 12 LED



## CKO-LED-221-1B-A

**Amber Beacon 12 LED 1 Bolt**



- Lens: Amber
- Fixing: 1 Bolt
- Approval: ECE R10 / R65
- Voltage: 10-30v
- IP Rating: IP67
- LEDs: 12
- Patterns: 4 Selectable Flash Patterns
- Dimensions: 107mm x 119mm (67mm height exc. bolt)
- Flash pattern programming via push button under lens
- Polycarbonate lens
- -30°to +60°operating temperature

# BEACONS / 16 LED



## CKO-LED-210-1B-A

**Amber Beacon 16 LED 1 Bolt**



- Lens: Amber
- Fixing: 1 Bolt
- Approval: ECE R10 / R65
- Voltage: 9-30v
- IP Rating: IP67
- LEDs: 16
- Patterns: 4 Selectable Flash Patterns
- Dimensions: 150mm x 130mm
- Flash pattern programming via push button under lens
- Polycarbonate lens
- -30°to +60°operating temperature

## CKO-LED-221-3B-A

## CKO-LED-221-FD-A



**Amber Beacon 12 LED 3 Bolt**

- Fixing: 3 Bolt
- Dimensions: 61mm x 145mm

**Amber Beacon 12 LED Flexi Din**

- Fixing: Flexi Din
- Dimensions: 152mm x 119mm

## CKO-LED-210-3B-A

## CKO-LED-210-FD-A



**Amber Beacon 16 LED 3 Bolt**

- Fixing: 3 Bolt
- Dimensions: 144mm x 154mm

**Amber Beacon 16 LED Flexi Din**

- Fixing: Flexi Din
- Dimensions: 235mm x 130mm

## CKO-LED-221-M-A

## CKO-LED-BRACKET1



**Amber Beacon 12 LED Magnetic Mount**

- Fixing: Magnetic Mount
- Dimensions: 90mm x 119mm

**Pole Mount Bracket for Flexi Din**

- Made from Iron
- Dimensions 102 x 24mm
- Only used with flexi din stem products

## CKO-LED-210-M-A

## CKO-LED-BRACKET1



**Amber Beacon 16 LED Magnetic Mount**

- Fixing: Magnetic Mount
- Dimensions: 235mm x 130mm

**Pole Mount Bracket for Flexi Din**

- Made from Iron
- Dimensions 102 x 24mm
- Only used with flexi din stem products

# BEACONS / 24 LED



## CKO-LED-255-1B-A

### Amber Beacon 24 LED 1 Bolt Airport Approved



- Lens: Amber
- Fixing: 1 Bolt
- Approval: ECE R10 / R65 / ICAO / CAP168
- Voltage: 9-30v
- IP Rating: IP67
- LEDs: 24
- Patterns: 7 Selectable Flash Patterns
- Dimensions: 81mm x 130mm
- Flash pattern programming via push button under lens
- Airport Approved
- Polycarbonate lens
- -30°to +60°operating temperature
- **Also available with a magnetic mount fixture (CKO-LED-255-M-A)**

## CKO-LED-270-1B-A

## CKO-LED-270-3B-A



### Amber Beacon 24 LED 1 Bolt

- Fixing: 1 Bolt
- Dimensions: 122mm x 130mm (166mm height inc bolt)

### Amber Beacon 24 LED 3 Bolt

- Fixing: 3 Bolt
- Dimensions: 122mm x 130mm

## CKO-LED-270-FD-A

## CKO-LED-270-M-A



### Amber Beacon 24 LED Flexi Din

- Fixing: Flexi Din
- Dimensions: 213mm x 130mm

### Amber Beacon 24 LED Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 130mm x 130mm

# BEACONS / 60 LED, AMBER



## CKO-LED-209-1B-A

### Amber Beacon 60 LED 1 Bolt



- Lens: Amber
- Fixing: 1 Bolt
- Approval: ECE R10
- Voltage: 12-24V
- IP Rating: IP66
- LEDs: 60
- Patterns: 3 Selectable Flash Patterns
- Dimensions: 175mm x 140mm
- Flash pattern programming via dip switches
- Life-span in excess of 10000 hours
- Tough and durable ABS base
- Polycarbonate lens
- -30°to +50°operating temperature

## CKO-LED-209-3B-A

## CKO-LED-209-FD-A



### Amber Beacon 60 LED 3 Bolt

- Fixing: 3 Bolt
- Dimensions: 175mm x 140mm

### Amber Beacon 60 LED Flexi Din

- Fixing: Flexi Din
- Dimensions: 175mm x 140mm

## CKO-LED-209-M-A

## CKO-LED-BRACKET1



### Amber Beacon 60 LED Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 171mm x 127mm

### Pole Mount Bracket for Flexi Din

- Made from Iron
- Dimensions 102 x 24mm
- Only used with flexi din stem products

# BEACONS / 60 LED, GREEN



## CKO-LED-209-1B-G

### Green Beacon 60 LED 1 Bolt



- Lens: Green
- Fixing: 1 Bolt
- Approval: ECE R10
- Voltage: 12-24V
- IP Rating: IP66
- LEDs: 60
- Patterns: 3 Selectable Flash Patterns
- Dimensions: 175mm x 140mm
- Flash pattern programming via dip switches
- Life-span in excess of 10000 hours
- Tough and durable ABS base
- Polycarbonate lens
- -30° to +50° operating temperature

## CKO-LED-209-3B-G

## CKO-LED-209-FD-G



### Green Beacon 60 LED 3 Bolt

- Fixing: 3 Bolt
- Dimensions: 175mm x 140mm

### Green Beacon 60 LED Flexi Din

- Fixing: Flexi Din
- Dimensions: 175mm x 140mm

## CKO-LED-221-M-A

## CKO-LED-BRACKET1



### Green Beacon 60 LED Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 171mm x 127mm

### Pole Mount Bracket for Flexi Din

- Made from Iron
- Dimensions 102 x 24mm
- Only used with flexi din stem products

# CATEGORY 3 Light Bars



# LIGHT BARS / MINI LIGHT BARS



## CKO-LED-116-1B-A

### Amber 248mm Mini Light Bar - Single Bolt



- Light Colour: Amber
- Lens: Clear
- Fixing: Single Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 60
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 248mm x 171mm x 37mm (73mm inc. bolt)
- Ultra slim design
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

## CKO-LED-116-M-A

## CKO-LED-114-M-A



### Amber 248mm Mini Light Bar - Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 248mm x 171mm x 37mm (55mm inc. magnet)

### Amber 270mm Mini Light Bar - Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 270mm x 160mm x 49mm (67mm inc. magnet)

## CKO-LED-114-1B-A

### Amber 270mm Mini Light Bar - Single Bolt



- Light Colour: Amber
- Lens: Clear
- Fixing: Single Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 60
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 270mm x 160mm x 49mm (85mm inc. bolt)
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

# LIGHT BARS / MINI LIGHT BARS



## CKO-LED-112-1B-A

### Amber 310mm Mini Light Bar - Single Bolt



- Light Colour: Amber
- Lens: Clear
- Fixing: Single Bolt
- Approval: ECE R10/R65 Approved
- Voltage: 9-30V
- IP Rating: IP65
- LEDs: 72
- Patterns: 8 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 310mm x 159mm x 75mm
- Life-span in excess of 10000 hours
- Tough and durable ABS base, polycarbonate lens
- -30° to +50° operating temperature
- 300mm Cable length
- Synchronisation wire for multiple lights
- Includes wired switch and flash pattern controller for optional in cab light control

## CKO-LED-112-M-A

## CKO-LED-117-M-A



### Amber 310mm Mini Light Bar - Magnetic Mount

- Fixing: Dual Magnetic Mount
- Dimensions: 310mm x 159mm x 75mm

### Amber 363mm Mini Light Bar - Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 363mm x 171mm x 37mm (59mm inc. magnet)

## CKO-LED-117-1B-A

### Amber 363mm Mini Light Bar - Single Bolt



- Light Colour: Amber
- Lens: Clear
- Fixing: Single Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 72
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 363mm x 171mm x 37mm (73mm inc. bolt)
- Ultra slim design
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights



# LIGHT BARS / MINI LIGHT BARS



## CKO-LED-117-2B-A

### Amber 363mm Mini Light Bar - Dual Bolt



- Light Colour: Amber
- Lens: Clear
- Fixing: Dual Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 72
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 363mm x 171mm x 37mm (73mm inc. bolt)
- Ultra slim design
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

## CKO-LED-156-B-A

### Amber 585mm Mini Light Bar - Bolt Fixing



- Light Colour: Amber
- Lens: Clear
- Fixing: Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 200
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 585mm x 295mm x 53mm (100mm inc. brackets)
- 4 Bolt Bracket for secure fitment
- Reverse polarity protection
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

## CKO-LED-138-1B-A

### Amber/Black 248mm Mini Light Bar - Single Bolt



- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Single Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 60
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 248mm x 171mm x 37mm (73mm inc. bolt)
- Ultra slim design
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

# LIGHT BARS / MINI LIGHT BARS



## CKO-LED-138-M-A

### Amber/Black 248mm Mini Light Bar - Magnetic Mount



- Fixing: Dual Magnetic Mount
- Dimensions: 248mm x 171mm x 37mm (55mm inc. magnet)

## CKO-LED-139-M-A

### Amber/Black 363mm Mini Light Bar - Magnetic Mount



- Fixing: Dual Magnetic Mount
- Dimensions: 363mm x 171mm x 37mm (59mm inc. magnet)

## CKO-LED-139-1B-A

### Amber/Black 363mm Mini Light Bar - Single Bolt



- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Single Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 72
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 363mm x 171mm x 37mm (73mm inc. bolt)
- Ultra slim design
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

## CKO-LED-BRACKET0

### Mini Light Bar Bracket



- Bracket kit to fit Mini Light Bars
- Made from galvanised steel
- Kit comes with foam pads and bolts
- Dimensions 240 x 100 x 100mm
- Lifts the product off the roof of the vehicle by 100mm and used in conjunction with a low profile LED mini bar to increase visibility

## LIGHT BARS / STANDARD LIGHT BARS



### CKO-LED-711-B-A

#### Amber Light Bar 600mm Bolt Mounted



- Light Colour: Amber
- Lens: Clear
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 108
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 600mm x 100mm x 45mm
- Tough polycarbonate lens with UV resistance
- Aluminium base
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature
- **Also available with a magnetic mount fixture (CKO-LED-711-M-A)**

### CKO-LED-772-B-A

#### Amber Light Bar 900mm Bolt Mounted



- Light Colour: Amber
- Lens: Clear
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 156
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 900mm x 100mm x 45mm
- Tough polycarbonate lens with UV resistance
- Aluminium base
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

### CKO-LED-773-B-A

#### Amber Light Bar 1200mm Bolt Mounted



- Light Colour: Amber
- Lens: Clear
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 204
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 1200mm x 100mm x 45mm
- Tough polycarbonate lens with UV resistance
- Aluminium base
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

## LIGHT BARS / STANDARD LIGHT BARS



### CKO-LED-775-B-A

#### Amber Light Bar 1500mm Bolt Mounted



- Light Colour: Amber
- Lens: Clear
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 252
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 1500mm x 100mm x 45mm
- Tough polycarbonate lens with UV resistance
- Aluminium base
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

### CKO-LED-781-B-A

#### Amber Light Bar with Black Lid 600mm Bolt Mounted



- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 164
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 600mm x 215mm x 44mm
- Built in traffic controller
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

### CKO-LED-782-B-A

#### Amber Light Bar with Black Lid 900mm Bolt Mounted



- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 224
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 900mm x 215mm x 44mm
- Built in traffic controller
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

## LIGHT BARS / STANDARD LIGHT BARS



### CKO-LED-783-B-A

#### Amber Light Bar with Black Lid 1200mm Bolt Mounted



- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 284
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 1200mm x 215mm x 44mm
- Built in traffic controller
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

### CKO-LED-785-B-A

#### Amber Light Bar with Black Lid 1500mm Bolt Mounted



- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 344
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 1500mm x 215mm x 44mm
- Built in traffic controller
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

### CKO-LED-786-B-A

#### Amber Light Bar with Black Lid 1800mm Bolt Mounted



- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 404
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 1800mm x 215mm x 44mm
- Built in traffic controller
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

## CATEGORY 4 Strobes



# STROBES / STROBE LIGHTS



## CKO-LED-3H707-A

### Amber Strobe 3 LED Ultra Slim



- Colour: Amber
- **Also available in the colours Blue (CKO-LED-3H707-B), Red (CKO-LED-3H707-R) and White (CKO-LED-3H707-W)**
- Fixing: Bolt / Self Adhesive
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 3
- Patterns: 26 Selectable Flash
- Dimensions: 82mm x 31mm x 6.6mm
- Tough polycarbonate lens with UV resistance
- Aluminium base with heat dissipation
- Reverse polarity protection
- Synchronise up to 15 strobes
- Clear Lens
- -30°C to +60°C operating temperature

## CKO-LED-3H709-A

### Amber Strobe 3 LED Slim



- Colour: Amber
- **Also available in the colours Blue (CKO-LED-3H709-B), Red (CKO-LED-3H709-R) and White (CKO-LED-3H709-W)**
- Fixing: Bolt
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP69K
- LEDs: 3
- Patterns: 21 Selectable Flash
- Dimensions: 77mm x 29mm x 10mm
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

## CKO-LED-4H707-A

### Amber Strobe 4 LED Ultra Slim



- Colour: Amber
- **Also available in the colours Blue (CKO-LED-4H707-B), Red (CKO-LED-4H707-R) and White (CKO-LED-4H707-W)**
- Fixing: Bolt / Self Adhesive
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 4
- Patterns: 26 Selectable Flash
- Dimensions: 92mm x 31mm x 6.6mm
- Tough polycarbonate lens with UV resistance
- Aluminium base with heat dissipation
- Reverse polarity protection
- Synchronise up to 15 strobes
- Clear Lens
- -30°C to +60°C operating temperature

# STROBES / STROBE LIGHTS



## CKO-LED-4H709-A

### Amber Strobe 4 LED Slim



- Colour: Amber
- **Also available in the colours Blue (CKO-LED-4H709-B), Red (CKO-LED-4H709-R) and White (CKO-LED-4H709-W)**
- Fixing: Bolt
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP69K
- LEDs: 4
- Patterns: 21 Selectable Flash
- Dimensions: 95mm x 29mm x 10mm
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

## CKO-LED-6H707-A

### Amber Strobe 6 LED Ultra Slim



- Colour: Amber
- **Also available in the colours Blue (CKO-LED-6H707-B), Red (CKO-LED-6H707-R) and White (CKO-LED-6H707-W)**
- Fixing: Bolt / Self Adhesive
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 6
- Patterns: 26 Selectable Flash
- Dimensions: 131mm x 31mm x 6.6mm
- Tough polycarbonate lens with UV resistance
- Aluminium base with heat dissipation
- Reverse polarity protection
- Synchronise up to 15 strobes
- Clear Lens
- -30°C to +60°C operating temperature

## CKO-LED-6H709-A

### Amber Strobe 6 LED Slim



- Colour: Amber
- **Also available in the colours Blue (CKO-LED-6H709-B), Red (CKO-LED-6H709-R) and White (CKO-LED-6H709-W)**
- Fixing: Bolt
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP69K
- LEDs: 6
- Patterns: 21 Selectable Flash
- Dimensions: 113mm x 29mm x 10mm
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

# STROBES / STROBE LIGHTS



## CKO-LED-6H706-A-DI

### Amber Strobe with Amber Directional Indicator



- Colour: Amber with Amber outer
- Fixing: Bolt
- Approval: ECE R10 / R65 / R148
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 6 Amber Warning / 18 Outer
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 132mm x 51mm x 19mm
- Dual function as a directional indicator light and a warning light
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

## CKO-LED-6H706-A-RV

### Amber Strobe with White for Reverse



- Colour: Amber with White outer
- Fixing: Bolt
- Approval: ECE R10 / R65 / R148
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 6 Amber Warning / 18 Outer
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 132mm x 51mm x 19mm
- Dual function as a reverse light and a warning light
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

## CKO-LED-6H706-A-ST

### Amber Strobe with Red Tail Light

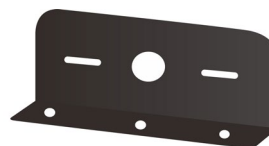


- Colour: Amber with Red outer
- Fixing: Bolt
- Approval: ECE R10 / R65 / R148
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 6 Amber Warning / 18 Outer
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 132mm x 51mm x 19mm
- Dual function as a tail light and a warning light
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

# STROBES / STROBE LIGHTS



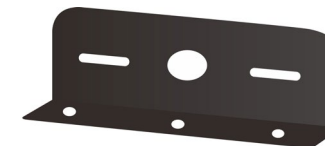
## CKO-LED-BRACKET7



### Strobe Light Bracket 115mm

- Made from iron
- Dimensions 115 x 63 x 20mm
- Mounting plate for all 4 LED strobe

## CKO-LED-BRACKET8



### Strobe Light Bracket 142mm

- Made from iron
- Dimensions 142 x 63 x 20mm
- Mounting plate for all 6 LED / 12 LED strobe models

## CKO-LED-704-A

### Amber Curved Strobe 12 LED



- Colour: Amber
- Fixing: Bolt or Bracket
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 12
- Patterns: 26 Selectable Flash Patterns
- Dimensions: 170mm x 80mm x 30mm
- Tough polycarbonate lens with UV resistance
- Aluminium base with heat dissipation
- Reverse polarity protection
- Synchronise up to 15 strobes
- Clear Lens
- -30°C to +60°C operating temperature

## CKO-LED-708-A

### Amber Strobe 6 LED Ultra slim



- Colour: Amber
- Fixing: Bolt or Bracket
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP69K
- LEDs: 12
- Additional: Bracket included
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 108mm x 34mm x 27mm
- Tough polycarbonate lens with UV resistance
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

## STROBES / STROBE LIGHTS

### CKO-LED-301-A

#### Hideaway Stem Strobe 2 LED



- Colour: Amber
- Fixing: Bolt or Self Adhesive
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP69K
- LEDs: 2
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 32mm x 26mm

### CKO-LED-308-A

#### Amber Octagon Strobe 4 LED



- Colour: Amber
- Fixing: Bolt or Bracket
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP69K
- LEDs: 4
- Additional: Bracket included
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 27mm x 27mm x 39mm (24mm Diameter)
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- Includes mounting bracket
- -30°C to +60°C operating temperature

### CKO-LED-500-A

#### Amber Octagon Strobe 5 LED



- Colour: Amber
- **Also available in the colours Blue (CKO-LED-500-B), Red (CKO-LED-500-R), White (CKO-LED-500-W) and Amber/Red Dual (CKO-LED-500-AR)**
- Fixing: Bolt or Surface Mount
- Approval: ECE R10 / R65
- Voltage: 10-30V
- IP Rating: IP67
- LEDs: 5
- Patterns: 10 Selectable Flash Patterns
- Dimensions: 60mm x 60mm x 7mm
- Slim Light Head
- Clear Lens
- Aluminium Base
- Polycarbonate Lens
- Synchronisation / alternative synchronisation supported

## STROBES / MARKER LIGHTS

### CKO-LED-848-A-AMP

#### Amber Side Marker Reflector Lamp with AMP



- Light Colour: Amber
- Lens: Amber
- Fixing: Bracket
- Approval: ECE R10/R3/R91
- Voltage: 12-24V
- IP Rating: IP65
- LEDs: 3
- Additional: AMP connector
- Dimensions: 100mm x 45mm x 15mm
- Oval style reflector / lamp
- Includes mounting bracket
- ABS Housing
- PMMA Lens

### CKO-LED-849-A

#### Amber Side Marker Lamp with Reflex Reflector



- Light Colour: Amber
- Lens: Amber
- Fixing: Bracket
- Approval: ECE R10/R3/R91
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 6
- Dimensions: 115mm x 70mm x 41mm
- Includes mounting bracket
- Zinc Housing
- Polycarbonate Lens
- **With AMP version also available (CKO-LED-849-A-AMP)**

### CKO-LED-853

#### 5 Function Tail Light with Progressive Indicator



- Light Colour: Multiple
- Lens: Clear
- Fixing: Surface
- Approval: ECE R10/R3/R6/R7/R23/R38
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 68
- Dimensions: 284mm x 100mm x 35mm
- Multi Function Tail Light with reflector
- Stop, Tail, Turn, Reverse and Fog light all in one
- ABS / Polycarbonate Housing
- Polycarbonate Lens

# CATEGORY 5 Work Lights



## WORK LIGHTS / WHITE SCENE LIGHT

### CKO-LED-SL2800W-A White Scene Light with Amber Marker



- Colour: White with Amber Marker
- Lumens: 2800
- Beam Pattern: Flood
- Approval: ECE R10 / R148
- Fixing: Screw fix surface mount
- Voltage: 10-30V
- IP Rating: IP69K
- LEDs: 4
- Dimensions: 200mm x 57.4mm x 47mm
- Aluminium housing
- Polycarbonate lens
- **Also available with a R65 approved Amber Marker (CKO-LED-SL2800W-R65)**

### CKO-LED-SL2800W-R



#### White Scene Light with Red

- Colour: White with Red Marker

### CKO-LED-SL2800W-W



#### White Scene Light with White

- Colour: White with White Marker

### CKO-LED-SL2800W



#### White Scene Light

- Colour: White

### CKO-LED-SL2800-HOUSING



#### Scene Light Housing

# WORK LIGHTS



## CKO-LED-WL604-S

### Square Work Lamp 4 LED Spot



- Colour: White
- Lumens: 1080
- Beam Pattern: Spot
- Approval: ECE R10
- Fixing: Bolt Bracket
- Voltage: 12-80V
- IP Rating: IP67
- LEDs: 4
- Dimensions: 73mm x 110mm x 42mm
- Aluminium housing
- PMMA lens

## CKO-LED-WL602-F

### Square Work Lamp 9 LED Flood



- Colour: White
- Lumens: 1400
- Beam Pattern: Flood
- Approval: ECE R10
- Fixing: Bolt Bracket
- Voltage: 12-80V
- IP Rating: IP67
- LEDs: 9
- Dimensions: 108mm x 125mm x 45mm
- Aluminium housing
- PMMA lens

## CKO-LED-WL-615-F

### Square Work Lamp 25 LED Flood



- Colour: White
- Lumens: 5625
- Beam Pattern: Flood
- Approval: ECE R10
- Fixing: Bolt Bracket
- Voltage: 12-36V
- IP Rating: IP67
- LEDs: 25
- Dimensions: 135mm x 108mm x 55mm
- Aluminium housing
- Polycarbonate lens

# WORK LIGHTS



## CKO-LED-WL601-S

### Rectangular Work Lamp 6 LED Spot



- Colour: White
- Lumens: 1260
- Beam Pattern: Spot
- Approval: ECE R10
- Fixing: Bolt
- Voltage: 12-80V
- IP Rating: IP67
- LEDs: 6
- Dimensions: 160mm x 47mm x 56mm
- Aluminium housing
- Polycarbonate lens

## CKO-LED-WL605-F

### Circular Work Lamp 9 LED Flood



- Colour: White
- Lumens: 1400
- Beam Pattern: Flood
- Approval: ECE R10
- Fixing: Bolt Bracket
- Voltage: 12-80V
- IP Rating: IP67
- LEDs: 9
- Dimensions: 115mm x 126mm x 50mm
- Aluminium housing
- PMMA lens

## CKO-LED-WL606-F

### Circular Work Lamp 9 LED Flood with Magnetic Base



- Colour: White
- Lumens: 1400
- Beam Pattern: Flood
- Approval: ECE R10
- Fixing: Magnetic Base
- Voltage: 12-80V
- IP Rating: IP67
- LEDs: 9
- Dimensions: 115mm x 126mm x 50mm
- Aluminium housing
- PMMA lens
- Cigarette adaptor plug
- Removable handle



# CATEGORY 6

## Interior Lighting



## INTERIOR LIGHTING

### CKO-LED-INT300-PIR-12V

Interior Light 300mm 30 LED with PIR 12V



- Colour: White 6000K
- Lumens: 400
- Fixing: Mounting Clip x 2
- Voltage: 12V
- IP Rating: IP65
- LEDs: 30
- Dimensions: 300mm
- Frosted diffuser lens
- PIR Sensor to detect motion and turn on light
- Aluminium Housing

### CKO-LED-INT500-PIR-12V

Interior Light 500mm 54 LED with PIR 12V



- Colour: White 6000K
- Lumens: 800
- Fixing: Mounting Clip x 2
- Voltage: 12V
- IP Rating: IP65
- LEDs: 54
- Dimensions: 500mm
- Frosted diffuser lens
- PIR Sensor to detect motion and turn on light
- Aluminium Housing

### CKO-LED-INT1000-PIR-12V

Interior Light 1000mm 114 LED with PIR 12V



- Colour: White 6000K
- Lumens: 1600
- Fixing: Mounting Clip x 2
- Voltage: 12V
- IP Rating: IP65
- LEDs: 114
- Dimensions: 1000mm
- Frosted diffuser lens
- PIR Sensor to detect motion and turn on light
- Aluminium Housing

# INTERIOR LIGHTING



# INTERIOR LIGHTING



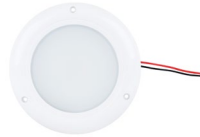
## CKO-LED-INT1000-PIR-24V



### Interior Light 1000mm 114 LED with PIR 24V

- Voltage: 24V

## CKO-LED-INT130-PIR



### Interior Light Round 130mm 87 LED with PIR

- PIR Sensor to detect motion and turn on light

## CKO-LED-INT173-PIR



### Interior Light 173mm 22 LED with PIR

- PIR Sensor to detect motion and turn on light

## CKO-LED-INT173-S



### Interior Light 173mm 22 LED with Switch

- Touch switch next to lens

## CKO-LED-INT130-DV Interior Light Round 130mm 87 LED



- Colour: White 5700-6500K
- Lumens: 1200
- Fixing: Surface
- Voltage: 10-30V
- IP Rating: IP67
- LEDs: 87
- Dimensions: 130mm x 12mm
- White polymer housing with frosted lens

## CKO-LED-INT300-DV Interior Light 300mm 54 LED



- Colour: White 5700-6500K
- Lumens: 756
- Fixing: Surface
- Voltage: 10-30V
- IP Rating: IP67
- LEDs: 54
- Dimensions: 300mm x 57mm x 14.5mm
- White polymer housing with frosted lens

## CKO-LED-INT173-DV Interior Light 173mm 22 LED



- Colour: White 5700-6500K
- Lumens: 308
- Fixing: Surface
- Voltage: 10-30V
- IP Rating: IP67
- LEDs: 22
- Dimensions: 173mm x 57mm x 14.5mm
- White polymer housing with frosted lens

## CKO-LED-INT300-PIR Interior Light 300mm 54 LED with PIR



### Interior Light 300mm 54 LED with PIR

- PIR Sensor to detect motion and turn on light

## CKO-LED-INT300-S Interior Light 300mm 54 LED with Switch



### Interior Light 300mm 54 LED with Switch

- Touch switch next to lens

# INTERIOR LIGHTING



## CKO-LED-INT600-DV Interior Light 600mm 130 LED



- Colour: White 5700-6500K
- Lumens: 1820
- Fixing: Surface
- Voltage: 10-30V
- IP Rating: IP67
- LEDs: 130
- Dimensions: 600mm x 57mm x 14.5mm
- White polymer housing with frosted lens

## CKO-LED-INT600-PIR



### Interior Light 600mm 130 LED with PIR

- PIR Sensor to detect motion and turn on light

## CKO-LED-INT600-S



### Interior Light 600mm 130 LED with Switch

- Touch switch next to lens

## CKO-LED-INT310-DV Interior Light 300mm 18 LED



- Colour: White 6000K
- Lumens: 360
- Fixing: Surface
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 18
- Dimensions: 300mm
- Aluminium Housing
- Silicone Seal

# INTERIOR LIGHTING



## CKO-LED-INT510-DV Interior Light 522mm 30 LED



- Colour: White 6000K
- Lumens: 600
- Fixing: Surface
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 30
- Dimensions: 522mm
- Aluminium Housing
- Silicone Seal

## CKO-LED-INT1000-DV Interior Light 1000mm 60 LED



- Colour: White 6000K
- Lumens: 1000
- Fixing: Surface
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 60
- Dimensions: 1000mm
- Aluminium Housing
- Silicone Seal

# CATEGORY 7

## Warning Lights & Alarms



# WARNING LIGHTS & ALARMS

## CKO-CWL1

Cycle Warning Light



- Voltage: 10-30V DC
- Dimensions: 160mm x 160mm
- IP Rate: 68
- Max. Operation Temperature: +60°C
- Housing: Black PC
- LED Chips: 33pcs amber, 33pcs red
- Watt: 0.3W/LED
- Cable: PVC
- Wire Length: 150cm
- Colour: White and Amber
- Light sensor to increase brightness in day

## ALM-MULTI-01

Multiple Vocal Message Warning Alarm



- IP Rating: IP68
- Rated Voltage: 12/24V DC
- Certifications: ECE R10 UKCA
- Sound pressure: 97dB +/-4dB
- Dimensions: 104 x 68 x 60mm
- Three warning message options: "Caution, This Vehicle Is Turning Left", "Caution, This Vehicle Is Turning Right", and "Warning, This Vehicle Is Reversing".

## ALM-WNB-01

Selectable White Noise / Beep



- IP Rating: IP67
- Rated Voltage: 12/80V DC
- Certifications: ECE R10 UKCA
- Sound pressure: 87dB, 97dB, 107dB +/-4dB
- Dimensions: 102 x 67 x 68mm
- Two sound options: "Beep Beep" alert or white noise



THE VEHICLE SAFETY EXPERTS

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