



HELLA NEW ZEALAND



# MAXIMUM VISIBILITY

Emergency / Signal Warning Lamps

# ENHANCE SAFETY, MAXIMISE VISIBILITY

## Selecting the Right Signal Warning Light

HELLA's extensive range of Emergency and Signal Warning Lamps provide high levels of performance and reliability for situations where a powerful warning light is required.

Selecting the right lamp requires aligning specific operational needs with regulatory requirements. Whether for road safety, vehicle identification, or workplace compliance, choosing the appropriate lamp ensures effective signalling and enhances overall safety.





## Key Considerations:

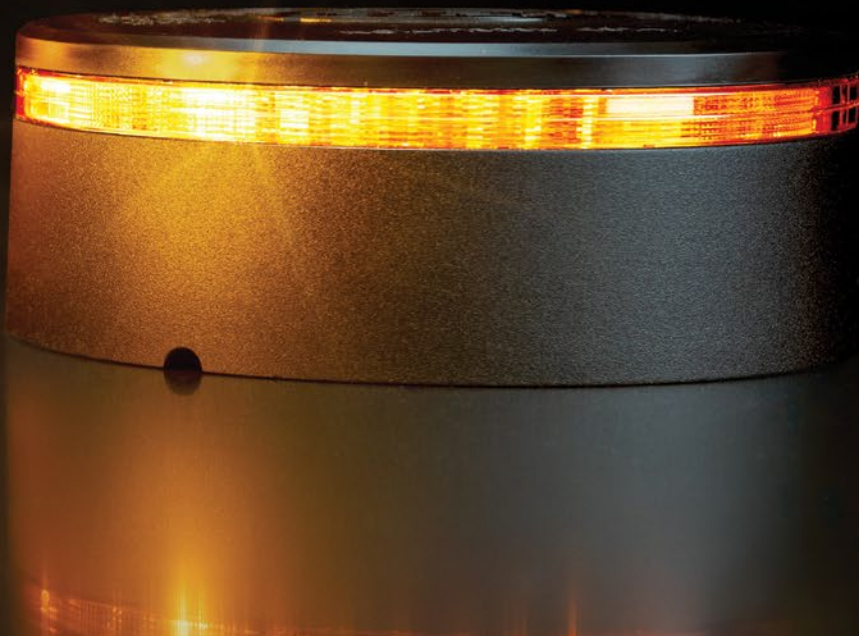
**Brightness/Compliance:** ECE R65 and SAE J845 Class 1 are very similar in how they perform, and are the standard to use for heavy equipment and road construction machinery. It's best practice to align with an international performance standard to ensure the correct warning lamp is used for your application. For a deeper explanation of what these standards are, please see page 11.

**Colour:** The most common colour used for warning or caution signals is Amber. You'll often see amber lights on road construction vehicles, municipal and tow trucks, as well as light commercial service vehicles. Red and/or blue are specialised, and can only be fitted to authorised vehicles such as Police, Fire and Ambulance. HELLA's range of red/blue lamps are available on special order if not shown in the catalogue. White and Green lights also exist if required.

**Electronic Circuitry Noise:** This is crucial to ensure the lamp does not interfere with other electronic or communication equipment on the vehicle. All electronic equipment on vehicles must comply with RCM standards (ECE R10 is acceptable).

**Mounting:** Pole mount and magnetic attachments offer vastly increased flexibility.

**Protection:** Ensure the lamp has a high IP rating, such as IP65 or higher, to be resistant to water and dust ingress. The higher the IP number the more protection.



# K-LED 2 Beacon

## Improving Onsite Safety

With its extra-flat design, two brightness levels, and flashing and rotating LED warning signal in one product, the HELLA K-LED 2 beacon is a prime example of state-of-the-art safety. The intelligent electronics measure the ambient brightness via a sensor and automatically switch between day and night mode. By day, the LEDs create an extra-bright, attention-grabbing signal.

In darkness, the brightness is adjusted to avoid glare. Programming allows the selection of different flash sequences or a rotating signal.

Designed without any moving parts, the K-LED 2 is highly durable and resistant to strong vibrations and shocks, ensuring a long service life.



ECE and SAE-approved.  
Suitable for transport of  
dangerous goods according  
to ADR/GGSVE.


14 different flashing  
and 3 rotating patterns.

Powder-coated housing,  
provides high-quality  
corrosion protection.

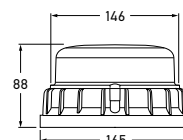





K-LED low profile beacons are the ideal choice wherever beacons risk interference with radio communications. Featuring 20 high power LEDs providing high light output for best visibility. An automatic day/night sensor adjusts brightness to avoid glare discomfort at night. 14 different flashing and 3 rotating patterns.

2XD 011 557-101	1614	AMBER
Mounting	Fixed mounting on horizontal surfaces	
Voltage	Multivolt™ 12/24V	
Power Consumption	30W Max	
Protection	Reverse polarity and Transient Spike Circuit protection. IP67. IPX9K	
Flash Patterns	17 selectable patterns	
Flash Rate	Simulated rotation 120rpm (2.0 Hz)	
Cable Length	Pre-wired with 150mm cable	
RF Suppression	ECE R10	CISPR25 Class 5 
Compliance	ECE R65/00 TA2	SAE J845 Class 1

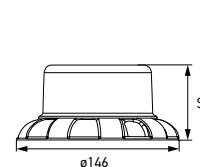
## K-LED 2 Beacon



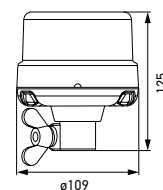
The K-LED Nano produces above-average light intensity, despite its compact dimensions. HELLA's smallest homologated beacon to date generates a long-range, flashing amber warning signal. There are two different variants suitable for fixed attachment. The standard version is characterised by a slightly curved base, which conforms to HELLA's usual 130mm diameter bolt circle mounting points.

2XD 066 146-001	Fixed Mounting	AMBER
2XD 066 146-011	Flexible Pipe Socket Mounting	AMBER
Mounting	Upright, fixed mounting on horizontal surfaces.	
Voltage	Multivolt™ 12/24V	
Power Consumption	19W Max	
Protection	IP6K7. IP6K9	
Flash Rate	124 +/- 10 per minute	
Cable Length	150mm cable / Pole mount	
RF Suppression	ECE R10	CISPR 25 Class 5 
Compliance	ECE R65 TA1	SAE J845 Class 1

## K-LED Nano Beacon



2XD 066 146-001  
Fixed mounting



2XD 066 146-011  
Flexible pipe socket mounting



8HG 002 365-001  
2 Pole beacon mount  
- Pole



8HG 006 294-011 2  
Pole beacon mount  
- Flat mount



8HG 006 294-111 2  
Pole beacon mount  
- Flat angle mount



8HG 006 294-051  
2 Pole beacon mount  
- Threaded mount



**SMALL BUT MIGHTY!**  
K-LED Nano Beacon



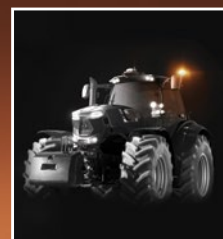
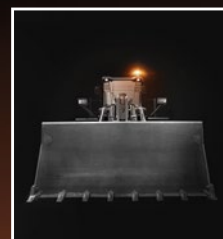
# K-LED REBELUTION

## THE NEXT GENERATION OF LED BEACONS

Innovation and change – that's what the K-LED Rebelution beacon stands for. Light has been refashioned, and technology developed further. With its minimalist light exit area this revolutionary design is setting new standards in the beacon market.

The most striking feature of the K-LED Rebelution is its unique and unconventional design. It manages without a classical dome and impresses with its discreet, futuristic styling. At only 60mm in height and 149mm in diameter, the beacon is extremely compact in size, making it ideal for vehicles subject to a height restriction.

The K-LED Rebelution is suitable as a 1:1 replacement for all other permanently installed versions of HELLA beacons. The identical hole spacing means it is quick to replace.

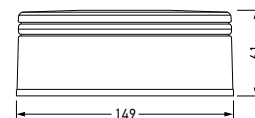




HELLA has eliminated the need for a classical dome and created a modern, minimalist design with maximum performance. The distinctive and futuristic ring-shaped light band emits a clearly visible 360 degree warning signal.

2RL 455 256-001	Rotating	AMBER
2XD 455 255-001	Flashing	AMBER
Mounting	Surface Mount	
Voltage	Multivolt™ 12/24V	
Power Consumption	Rotating: 13 Watts Flashing: 38 Watts	
Protection	IP6K7. IP6K9K	
Cable Length	150mm cable	
Lens Material	Polycarbonate	
Housing	Aluminium	
RF Suppression	ECE-R10 Rotating: CISPR 25 Class 3      Flashing: CISPR 25 Class 5	
Compliance	ECE-R65 TA1	

## K-LED Rebelution Warning Lamp - Fixed Mount



Domeless  
design

Double flash  
or rotating

Integrates  
easily into  
any vehicle



Patented LED  
Technology

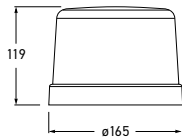
Sophisticated  
Electronics

Compact design




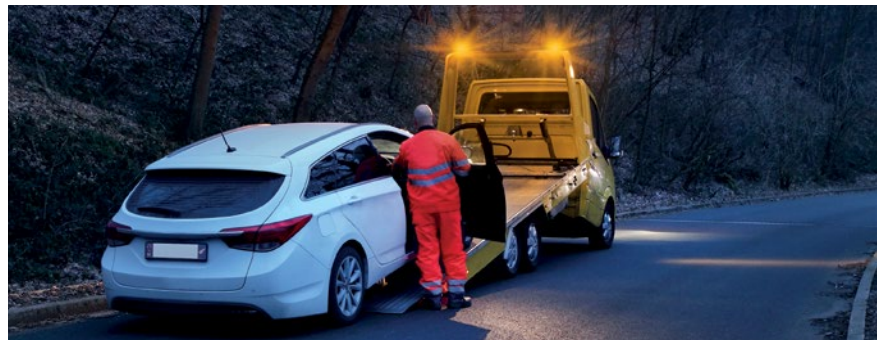


## KL7000LED Beacon

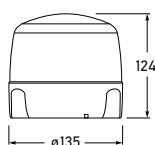


The KL7000 provides an optimum signal image with it's rotating LED light function, certified to both ECE and SAE standards. The compact design also features low power consumption. Complete with impact and dirt resistant lens, the KL7000 will outlast the competition.


2RL 011 484-001	1608	AMBER
Mounting	Upright, fixed mounting on horizontal surfaces.	
Voltage	Multivolt™ 12/24V	
Power Consumption	10W	
Protection	IP5K4K. IPX4K. IPX9K	
Flash Rate	Simulated rotation 120-133rpm (2.0-2.2 Hz)	
Cable Length	Pre-wired with 120mm cable	
RF Suppression	ECE R10	CISPR25 Class 5 
Compliance	ECE R65/00 TA1	SAE J845 Class 2



## RotaLED Beacons



The RotaLED Beacon provides an optimum signal image with it's rotating LED light function, certified to both ECE standards. The compact design also features low power consumption. Complete with impact and dirt resistant lens, the RotaLED will outlast the competition.

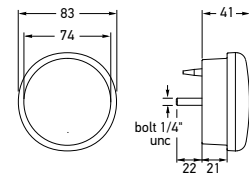
2RL 010 979-001	1611 (Fixed Mount)	AMBER
Mounting	Fixed mount: Upright, fixed mounting on horizontal surfaces.	
Voltage	Multivolt™ 12/24V	
Power Consumption	10W	
Protection	IP65. IPX9K	
Flash Rate	Simulated rotation 120-133rpm (2.0-2.2 Hz)	
Cable Length	Pre-wired with 120mm cable	
RF Suppression	ECE R10	CISPR25 Class 5 
Compliance	ECE R65/00 TA1	



The 83mm diameter round LED signal lamps have a single bolt mount suitable for emergency vehicles. The 10 programmable flash modes and can be synchronised to flash alternately or in unison via a dedicated synchronisation wire.

2XD 959 011-402		RED	
2XD 959 011-452		AMBER	
2XD 959 011-602		BLUE	
2XD 959 011-652		GREEN	
Mounting	Single bolt 1/4" stainless UNC thread. Nut and washer supplied.		
Voltage	Multivolt™ 12/24V		
Power Consumption	6W continuous (less in flashing modes).		
Protection	Reverse polarity and voltage spike protection. IP6K7. IP6K9K		
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable.		
Compliance	ECE R10		

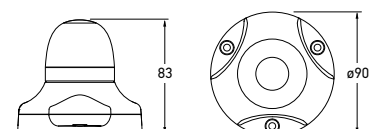
## LED 83mm Round Multi-flash Signal Lamp



LED 360° warning lamp with clear impact resistant Grilamid® lens, available in four signal colours and white. The 10 programmable flash modes can be synchronised to flash alternately or in unison. via a dedicated synchronisation wire. Optic appears clear until illuminated.

2XD 980 911-002		WHITE	
2XD 980 911-202		GREEN	
2XD 980 911-402		RED	
2XD 980 911-602		AMBER	
2XD 980 911-702		BLUE	
Mounting	Upright mounting with three point mount.		
Voltage	Multivolt™ 12/24V		
Power Consumption	Less than 5W (less in flashing modes).		
Protection	Reverse polarity and voltage spike protection. IP67		
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable.		
Lens Material	High impact and chemical resistant Grilamid® lens		
Compliance	ECE R10		

## LED 360° Multi-flash Signal Lamp





## DuraLED® Multi-flash Signal Warning Lamp

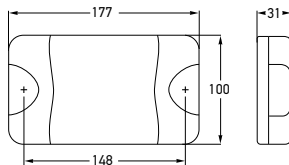


2XD 959 037-112

2XD 959 037-612



2XD 959 037-812



Multivolt™ warning lamps for emergency vehicles offer the simplest of surface mount installations. The 10 programmable flash modes and can be synchronised to flash alternately or in unison via a dedicated synchronisation wire.

2XD 959 037-012		RED
2XD 959 037-112		AMBER
2XD 959 037-612		BLUE
2XD 959 037-812		GREEN
Mounting	Two hole surface mount with mounting bushes supplied.	
Voltage	Multivolt™ 12/24V	
Power Consumption	9W continuous (less in flashing modes).	
Protection	Reverse polarity and 5000 watt Transient Voltage Suppressor (TVS). IP6K6. IP6K7	
Cable Length	Pre-wired with 2.5m of sheathed multi-core cable.	
RF Suppression	ECE R10	
Compliance	SAE J595 Class 1 (Red and amber versions)	

### Flashing Options

Steady state	Lamp operates as a continuous ON signal
Independent flash	Lamp operates from an external flashing system
Flash state	Lamp operates in the flash mode preselected by the user
Blitz state	Lamp operates in a burst of quad flashes (pattern 4)
The blitz mode overrides the other operating modes and is triggered by switching the blue cable to negative (-).	

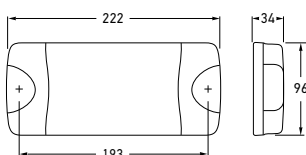
## DuraLED® Combi Red/Green Signal Warning Lamp



Red/High

Red/Low

Green/Go



Designed as a Stop/Go lamp to signal when it is safe or dangerous to approach and/or work on a vehicle. The red signal has two outputs, either 1.5W or 6W, allowing the lamp to provide a dual warning function if additional danger conditions are met, or to reduce battery draw for long operational periods. A generous 6m of included cable significantly enhances installation flexibility.

2XA 959 050-321		RED/GREEN
Mounting	Surface mount with mounting bushes supplied.	
Voltage	Multivolt™ 12/24V	
Power Consumption	Red: 1.5W/6W Green: 3W	
Protection	Reverse polarity and transient spike circuit protection. IP6K6. IP6K7	
Cable Length	Pre-wired with 6.0m of sheathed multi-core cable.	
Lens Material	High impact and chemical resistant Grilamid® lens	
RF Suppression	ECE R10	

Note: Light output suitability is at the discretion of the installer.

# Compliance Comparison

## SAE J595 and SAE J845

When selecting the best light for your needs, you might encounter SAE J595 and SAE J845, followed by Class 1, Class 2, or Class 3. These titles indicate the light's functionality, and the SAE Class ratings are equivalent in both cases. SAE J595 refers to directional flashing optical warning lights (like a flashlight pointed in one direction). SAE J845 refers to omnidirectional or 360-degree optical warning lights (like a lighthouse or emergency vehicle lights).



### Light Direction

The distinction between these two categories lies in the direction of the light: directional (visible from one direction) or omnidirectional (visible from all directions). Despite this, light intensity is measured the same. Thus, an SAE J845 Class 1 and an SAE J595 Class 1 warning light can have the same candela output; the difference is that the SAE J595 light is visible from one direction, while the SAE J845 light is visible from all directions.

### What is the difference? SAE Class 1, 2, 3.

#### SAE Class 1

SAE Class 1 warning lights, often used for emergency vehicles like police, fire, and ambulances, have candela values above 8100, with some near 18,000 cd-s/m for clearing traffic. They are four times more intense than Class 2 lights and ten times more intense than Class 3 lights.

#### SAE Class 2

SAE Class 2 warning lights, used on utility and service vehicles moving at or below traffic speed, have candela values between 1981 and 8099 cd-s/m. Slow-moving or traffic-blocking vehicles often use lights around 4500 cd. These lights are about 2.5 times brighter than Class 3 lights.

#### SAE Class 3

SAE Class 3 warning lights, with the lowest intensity, are used indoors with minimal sunlight. They are ideal for forklifts, specialized machinery, or attention-grabbing at trade shows and events.

# LED MICRO LIGHT BARS

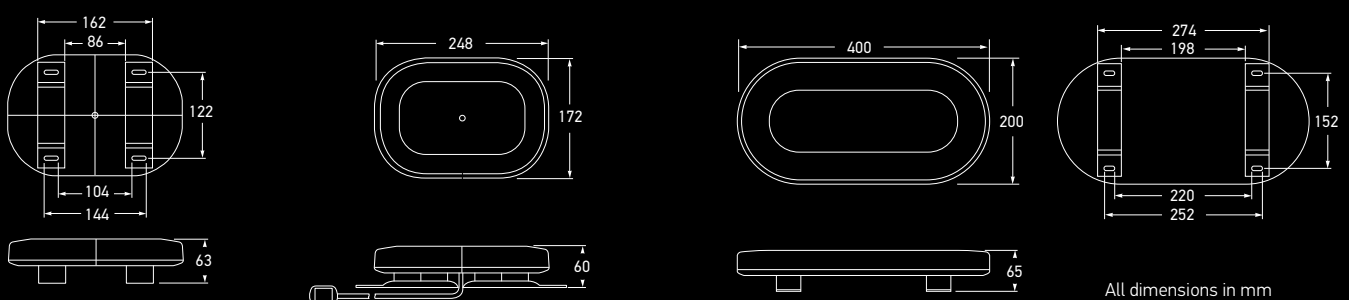
The MLB series of micro light bars are compact, low profile, and ideal for situations where high visibility of a vehicle or incident is crucial. Easy to mount and designed to withstand all weather conditions, ensuring workplace safety remains a top priority.

23 user selectable flash patterns.  
Synchronise multiple units.

Multi-Voltage Input 12-24V.  
Weatherproof and vibration resistant.  
Non-volatile memory recalls last flash pattern used at power up.

30 high intensity LEDs create a 360 degree light spread while consuming only 2 amps at 12V DC.

## MLB Series Mounting Dimensions





Compact, low profile, and ideal for situations where high visibility of a vehicle or incident is crucial.  
Easy to mount and designed to withstand all weather conditions,

MLB100	LED Micro Light Bar - Fixed	CLEAR LENS
MLB100-MAG	LED Micro Light Bar - Magnetic	CLEAR LENS
MLB100A	LED Micro Light Bar - Fixed	AMBER LENS
MLB100A-MAG	LED Micro Light Bar - Magnetic	AMBER LENS
MLB200	LED Micro Light Bar	CLEAR LENS
MLB200A	LED Micro Light Bar	AMBER LENS
Voltage	Multivolt™ 12/24V	
Power Consumption	25W Max	
Protection	IP65	
Flash Patterns	22 selectable patterns	
Cable Length	MLB100A Fixed: 300mm of sheathed multi-core cable. MLB100A-MAG Magnetic: 3000mm with dual button plug. MLB200 MLB200A: 300mm of sheathed multi-core cable.	
Multi-Unit Sync	Over 15 lamps	
RF Suppression	ECE R10	
Compliance	SAE J845 Class 1	ECE R65 (Pattern 21)

## LED Micro Light Bars

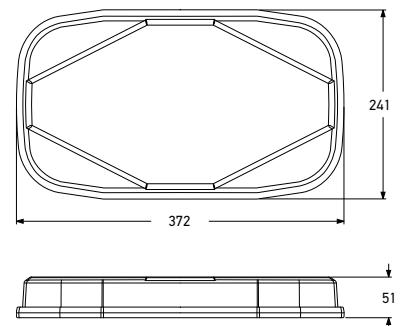


The HighLighter® Elite mini-light bar boasts SAE J845 Class 1 approval, enhancing on-site visibility and ensuring compliance with regulatory standards. Using the latest Solaris® reflector technology allows this lamp to provide the highest levels of visibility through 360 degrees, while being only 51mm in height.

2RL 980 310-021	Multi-flash Mini Light Bar, Amber Dome	AMBER
Mounting	Surface Mount	
Voltage	Multi-voltage 12/24V	
Power Consumption	30W Max	
Temperature	Operating range -40° to +65°C	
Flash Patterns	25 selectable patterns	
Protection	Reverse polarity protection. IP69K	
Cable Length	Supplied with 305mm wire harness	
Compliance	SAE J845 Class 1	

NOTE: The HighLighter® Elite Mini Light bar model 2RL 980 310-021 replaces both the previous HighLighter Mini Light Bar 2RL 980 310-001 (454201A) 12 volt model, and 2RL 980 310-021 (454201A24V) 24 volt model, which are no longer available.

## Highlighter® Elite Mini Light Bar



### ACCESSORIES - Mounting Kits / Brackets

8HG 980 311-001	Mount Riser 52mm
9XD 980 311-101	Magnetic Mount Kit

NOTE: These spare parts are for the older HighLighter™ Mini Light Bar 2RL 980 310-001 (454201A) 12 volt model, and 2RL 980 310-021 (454201A24V) 24 volt models, which are no longer available.

## LED Highlighter™ Mini Light Bar Accessories



8HG 980 311-001

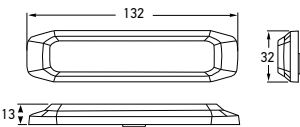
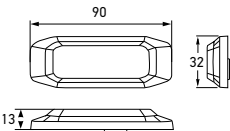


9XD 980 311-101


# MULTI-FLASH SLIM WARNING LAMP

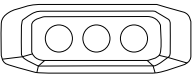


## Multi-flash Slim Amber Warning Lamp, 3 - 6 LED

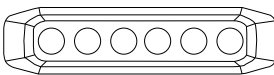


18 different flash patterns, compliant to SAE J595 Class 1 – being the brightest class, and suitable for on road use. The lamps are Multivolt™ so may be used on 12 or 24V vehicles. The lamp produces an optimum signalling effect via the high-quality precision lens. An optional feature is night mode, wired into the headlamp circuit, which dims the lamp to half output so not to dazzle or create blinding glare.

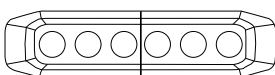
2XD 014 563-401	Multi-flash Slim 3 LED Amber Warning Lamp (Pair)	AMBER
2XD 014 562-401	Multi-flash Slim 6 LED Amber Warning Lamp (Pair)	AMBER
Mounting	Surface mount	
Voltage	Multivolt™ 12/24V	
Power Consumption	3 LED 8.5W Max	6 LED 17W Max
Protection	IPX7. IPX9K	
Cable Length	250mm	
RF Suppression	ECE R10	CISPR 25 Class 5 
Compliance	SAE J595 Class 1 Amber	



3 LED



6 LED




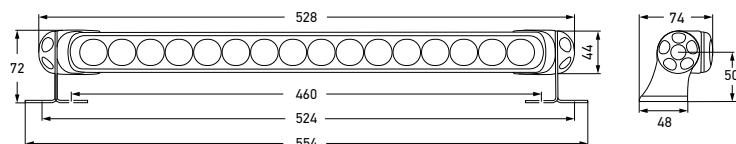
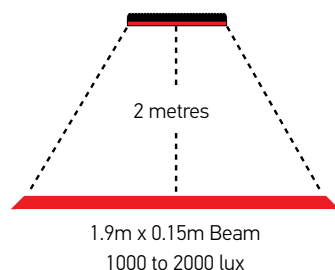
6 LED Split  
3 + 3





The BL470R LED warning lamp features a powerful red safety strip of light, that indicates a no-go zone to keep staff and pedestrians at a safe distance. Ideal for use on forklifts, and earth moving equipment which need surrounding work space to be identified by a no-go line.


2XD 958 130-661	RED
Mounting	Upright or pendant
Voltage	Multivolt™ 12/24V
Power Consumption	25W
Protection	Reverse polarity and transient spike protection IP6K7 (Protection against dust and temporary water immersion) IP6K9K (Protection against dust and high-pressure/steam jet cleaning)
Cable Length	Pre-wired with 2.5m of tinned multi-core cable
Lens Material	Grilamid®
RF Suppression	ECE R10 

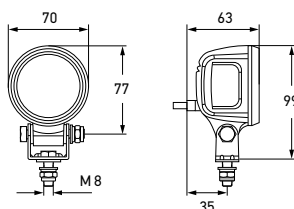


## BL470R LED Warning Lamp



The SL60 lamp features a dedicated optic, that focuses the light rays into a horizontal or vertical line, that appears on the ground, day and night. This warning symbol not only alerts vehicles and pedestrians about an approaching vehicle or a potentially dangerous working area, the lines can also facilitate vehicle navigation.

1G0 996 210-011	RED
Voltage	Multivolt™ for optimum brightness at input voltages from 10 to 80 volts.
Power Consumption	Red: 5.5W
Protection	Reverse polarity and transient spike protection. IP6K7. IP6K9K
Cable Length	500mm cable
RF Suppression	ECE R10 



## SL60 LED Warning Lamp



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# MLB SERIES

## HELLA MICRO LIGHT BARS



### The MLB Series

The MLB series of micro light bars are compact, low profile, and ideal for situations where high visibility of a vehicle or incident is crucial. Easy to mount and designed to withstand all weather conditions, ensuring workplace safety remains your top priority.



Scan the QR code for  
more information.



972 999 143-974 V01