



LED Warning Lights - Beacons

Modern design and the highest product quality

Small, compact and long durability

3 flash patterns all with R65 approval and CISPR 25 class 3 - PREMIUM

The new warning light from ERMAX

The warning light with LED technology convinces with a modern design and robust construction. The compact design of the series is suitable for all kinds of heavy vehicles, guaranteeing visibility and safety.

Whether single flash, double flash or rotating light, all 3 flash patterns can be set in compliance with R65 – unique in Europe!

The mounting possibilities are either surface mounting or pole mounting/DIN. The warning lights are available with orange or transparent lens.

This series is E-approved according to ECE R65 and also approved with CISPR 25 class 3 and ADR - and due to the high degree of electromagnetic compatibility the warning light can be placed anywhere.



Surface mounting



Pole mounting/DIN

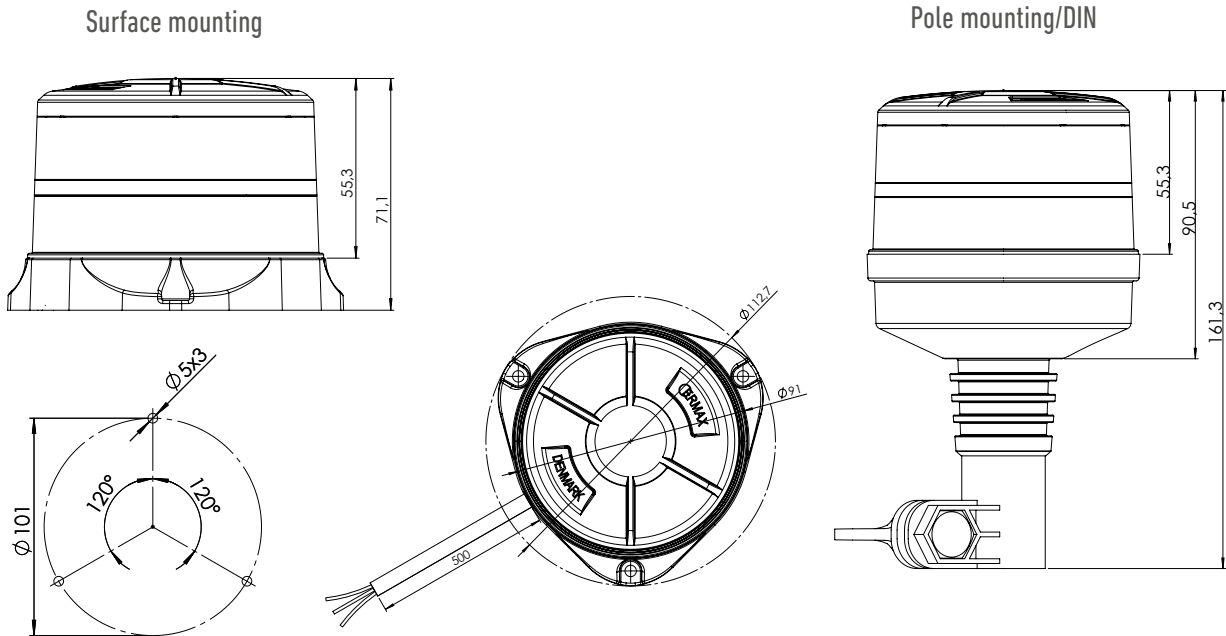


ERMAX warning lights - Why ?

- 1 Newest light and LED technology**
Small and powerful, long durability and an optimum signal picture with a small power consumption..
- 2 Unique design**
Unique reflection design with clear lens and very strong light.
- 3 Long lifetime and durability**
Impact-resistant lens of polycarbonate and housing top of aluminium.
- 4 3 Flash Patterns approved**
All 3 flash patterns with high warning effect are ECE R65 compliant - unique in Europe
- 5 Unique availability**
The compact design offers flexibility in mounting.
- 6 Absorb vibrations**
The flexible pipe socket avoids damages to the lights by impact or collision.
- 4 2 warning signals**
Choose between flashing warning signal or rotating warning signal.
- 6 First-class approved quality**
All products go through our strict quality criteria and testing methods to ensure the high product quality.

LED Warning lights 12/24V

Technical details - Premium variants with 3 flash patterns, R65 approval and CISPR 25 class 3



Description - Surface mounting

Lens:	Impact resistant polycarbonate
Housing:	Impact resistant polycarbonate
Housing top:	Aluminium
Sealing:	EVA
Light colour:	Amber
Measures \emptyset x H:	\emptyset 115 x 71 mm
Hole pattern:	\emptyset 101 mm / 3 x 87 mm / \emptyset 4,5 mm
Working temperature:	-40°C to +65°C°
IP-Rating:	IP69K

Description - Pole mounting/DIN

Lens:	Impact resistant polycarbonate
Housing:	TPE
Housing top:	Aluminium
Light colour:	Amber
Measures \emptyset x H:	\emptyset 91 x 161 mm
Working temperature:-	40°C to +65°C°
IP-Rating:	IP69K

Radio interference (CISPR 25): Klasse 3

ECE R65

EMC

TA1



Mounting	Colour light lens	Connections	Measures	Voltage	Consumption - Max	Flash pattern	Artikel no.
Surface	Transparent glass	500 mm cable open-end \emptyset 6 mm, 3 x 0,75 mm ²	\emptyset 113 x 71 mm	10-30V	27W	3 (R65) Single 480 ms Double 400 ms Rotating 400 ms	098 287 200
Surface	Amber glass	500 mm cable open-end \emptyset 6 mm, 3 x 0,75 mm ²	\emptyset 113 x 71 mm	10-30V	27W		098 287 205
Pole (DIN)	Transparent glass	Integrated plug in the socket, DIN 4165	\emptyset 91 x 161 mm	10-30V	27W		098 287 230
Pole (DIN)	Amber glass	Integrated plug in the socket, DIN 4165	\emptyset 91 x 161 mm	10-30V	27W		098 287 235

Spareparts

Seal - Suitable for 098 287 200 + 098 287 205 without adapter ring

098 295 250

When more flash patterns are needed

10 flash patterns - 1 flash pattern with R65 approval - STANDARD

These 4 variants have similar characteristics as the premium types – the only difference is that this series has a cover of polycarbonate instead of aluminium and has 10 different flash patterns – of these 1 flash pattern with R65 approval.

The warning lights are available with orange or transparent lens and the mounting possibilities are either surface mounting or pole mounting/DIN, and the series are ADR approved. The two types for surface mounting are delivered with an adapter for Ø130 mm hole configuration.



Surface mounting



Adapter ring

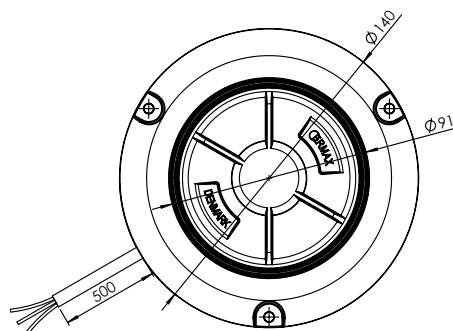


Pole mounting/DIN



10 flash patterns

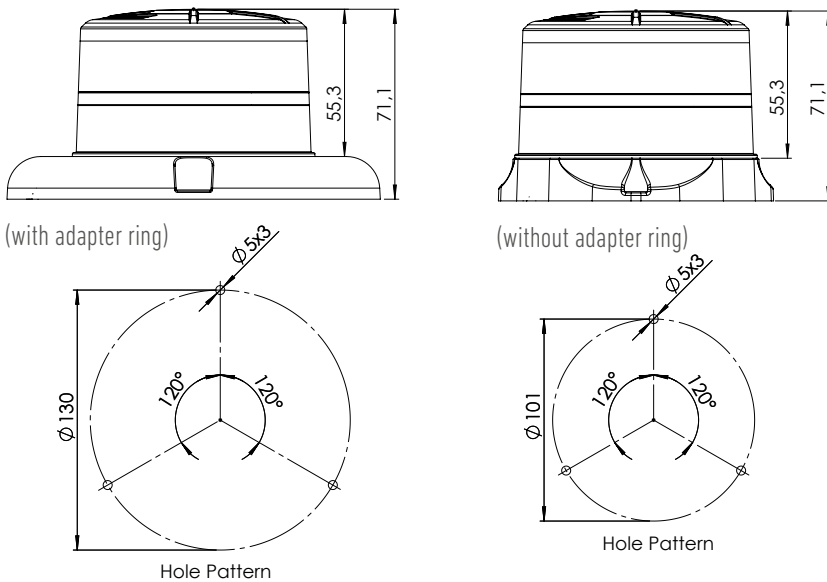
- Single flash 480ms (Reg. 65 approved)
- Single flash 800ms
- Double flash 400ms
- Double flash 800ms
- Triple flash
- Quad flash
- ISO-fase flash 400ms
- ISO-fase flash 800ms
- Rotating 400ms
- Rotating 800ms



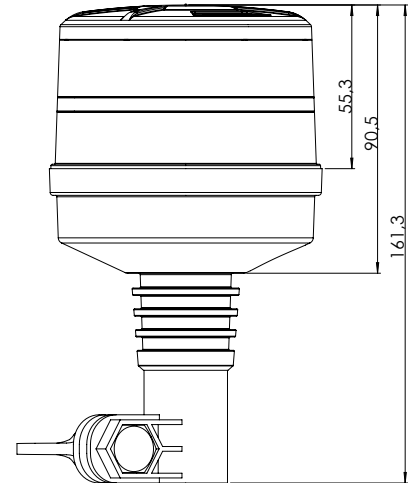
LED Warning lights 12/24V

Technical details - **Standard** variants with 10 flash patterns

Surface mounting



Pole mounting/DIN



Description - Surface mounting with adapter ring

Lens: Impact resistant polycarbonate
 Housing: Impact resistant polycarbonate
 Housing top: Impact resistant polycarbonate
 Sealing: EVA
 Light colour: Amber
 Measures \varnothing x H: $\varnothing 140$ x 71 mm
 Hole pattern: $\varnothing 130$ mm / 3 x 112 mm / $\varnothing 4,5$ mm
 Working temperature: -40°C to $+65^{\circ}\text{C}$
 IP-Rating: IP69K

Description - Pole mounting/DIN

Lens: Impact resistant polycarbonate
 Housing: TPE
 Housing top: Impact resistant polycarbonate
 Light colour: Amber
 Measures \varnothing x H: $\varnothing 91$ x 161 mm
 Working temperature: -40°C to $+65^{\circ}\text{C}$
 IP-Rating: IP69K

ECE R65

EMC



Mounting	Colour light lens	Connections	Measures	Voltage	Consumption	Flash pattern	Artikel no.
Surface	Transparent glass	500 mm cable open-end $\varnothing 6$ mm, 3 x $0,75$ mm ²	$\varnothing 140$ x 71 mm	10-30V	23W	See page 4	098 287 250
Surface	Amber glass	500 mm cable open-end $\varnothing 6$ mm, 3 x $0,75$ mm ²	$\varnothing 140$ x 71 mm	10-30V	23W		098 287 255
Pole (DIN)	Transparent glass	Integrated plug in the socket, DIN 4165	$\varnothing 91$ x 161 mm	10-30V	23W		098 287 280
Pole (DIN)	Amber glass	Integrated plug in the socket, DIN 4165	$\varnothing 91$ x 161 mm	10-30V	23W		098 287 285

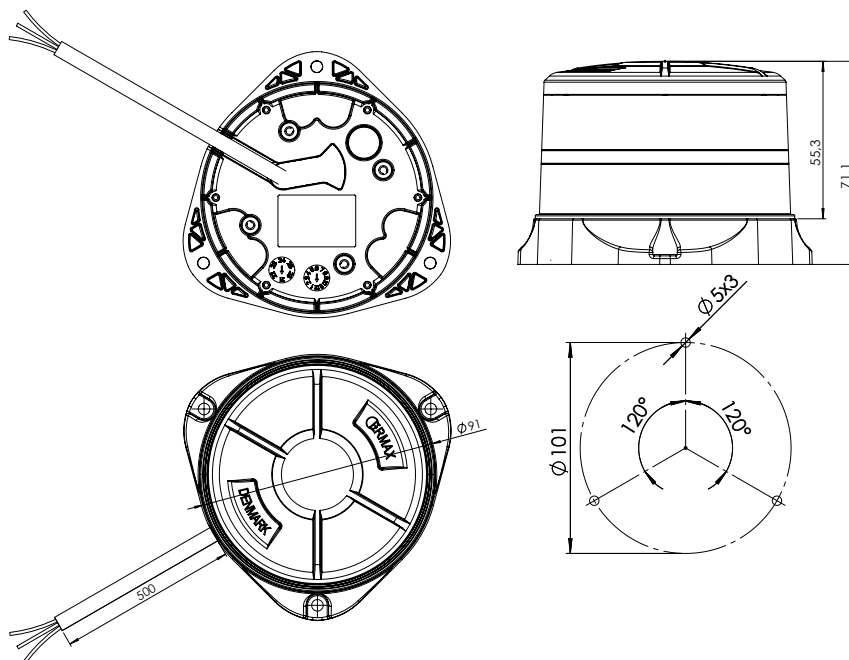
Spareparts

The adapter ring makes it possible to adapt the LED beacon to mounting holes $\varnothing 130$ mm - Measurements, \varnothing x H: $\varnothing 140$ x 16 mm Bolt distance: $\varnothing 130$ mm / 3 x 112 mm / $\varnothing 4,5$ mm Material: Polycarbonate	098 292 640
Seal - Suitable for 098 287 250 + 098 287 255 with adapter ring	098 295 251
Seal - Suitable for 098 287 250 + 098 287 255, if adapter ring is not used	098 295 250

LED Warning lights 12/24V

Technical details and flash pattern selection

Surface mounting



Connection:

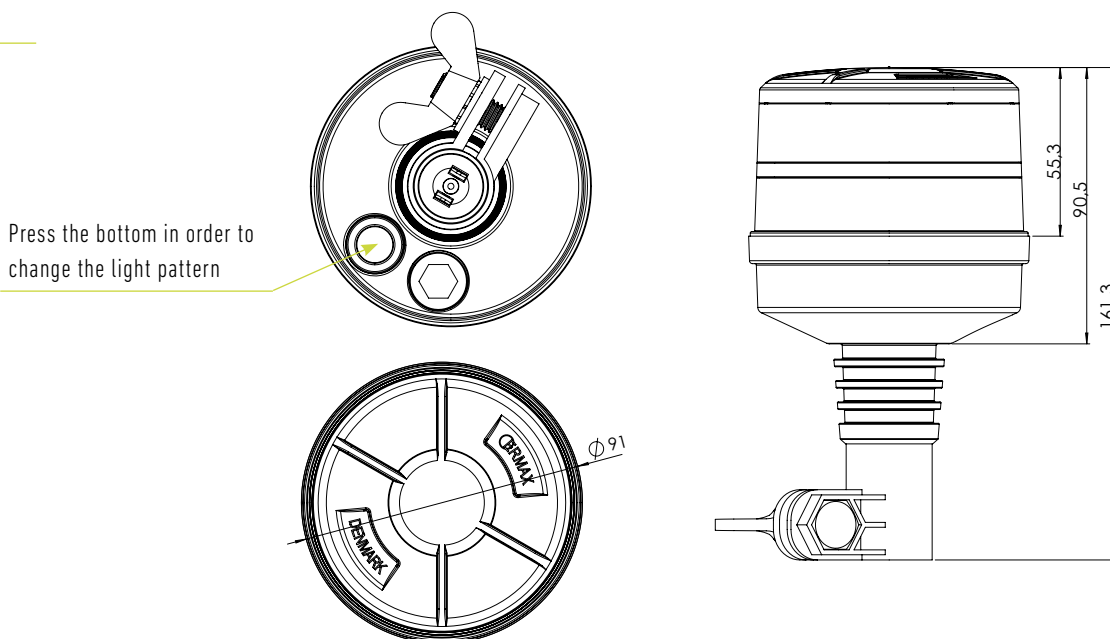
- Red: Permanent power supply (+)
- Black: Ground (-)
- Yellow: Choose flash pattern / synchronizing

Choose flash pattern - Surface mounting

Apply yellow cable to +, hold briefly (0.5-2 sec) and select flash pattern.

To synchronize more lights, all lights must be adjusted to the same flash pattern. Then all yellow cables will be connected to each other. If the yellow cable is placed at + for more than 2 seconds, the light return to flash pattern 1.

Pole mounting/DIN

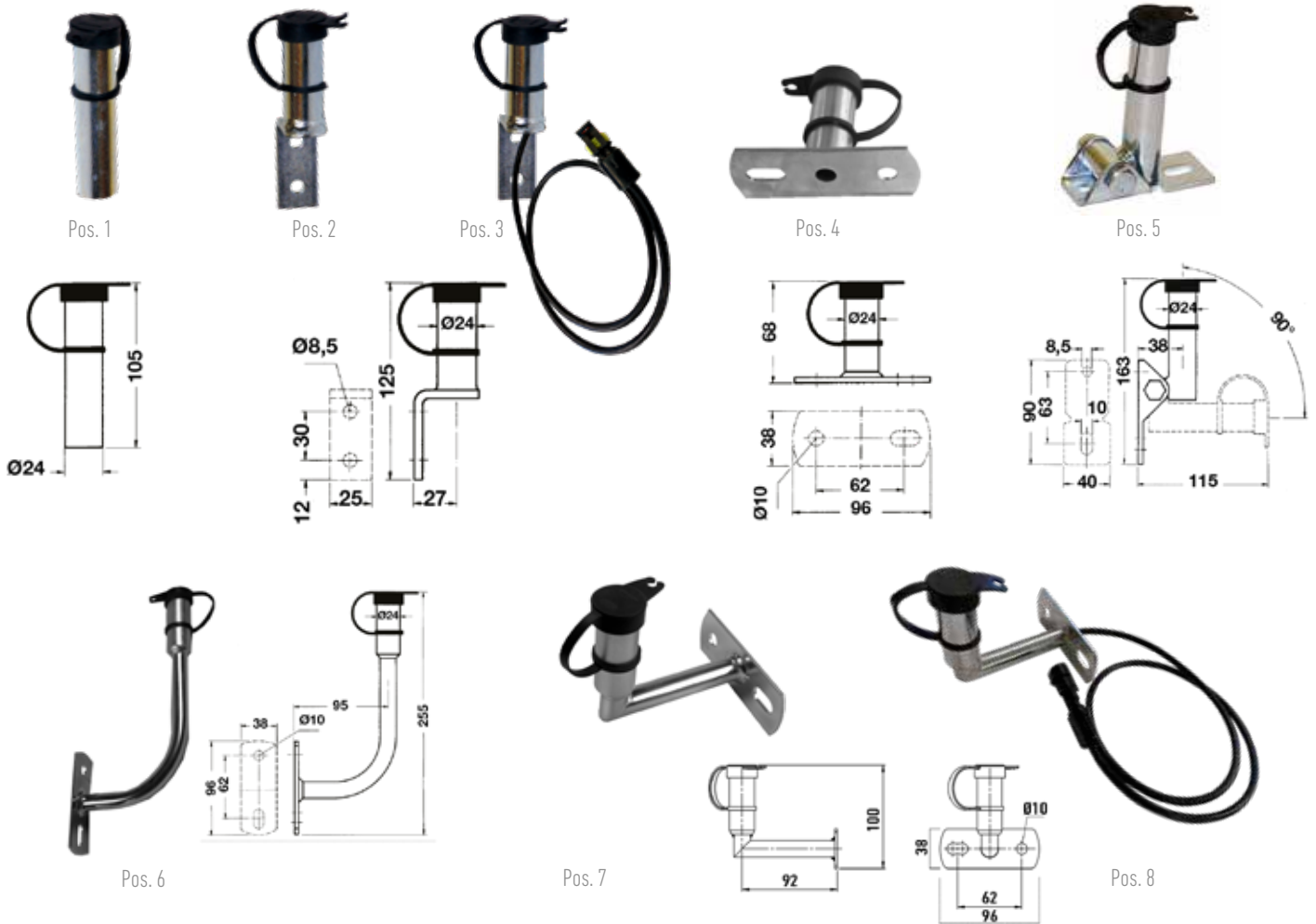


Choose flash pattern - Pole mounting/DIN

To choose flash pattern, press the red bottom shortly (0.5 - 2 sec).

If pressed at the red bottom for more than 2 seconds, the light return to flash pattern 1.

Mounting equipment for Warning beacons



Galvanized steel tube and with protection cap

DIN Norm	Form	Mounting	Dimension	Connection	Cable	Pos.	Article No.
DIN 72 591	Straight	-	Ø24 x 105 mm	2 poled socket	--	1	098 295 561
DIN 72 591	Straight	Angled bracket	Ø24 x 125 mm	2 poled socket	--	2	098 295 562
DIN 72 591	Straight	Angled bracket	Ø24 x 125 mm	2 poled socket	900 mm cable with Super Seal plug	3	098 295 595
DIN 72 591	Straight	Flush mounting	Ø24 x 128 mm	2 poled socket	--	4	098 295 564
DIN 72 591	Straight	adjustable bracket	Ø24 x 115 mm	2 poled socket	--	5	098 295 567
DIN 72 591	90° angled	Flush mounting	Ø24 x 255 mm	2 poled socket	--	6	098 295 565
DIN 72 591	90° angled	Flush mounting	Ø24 x 100 mm	2 poled socket	--	7	098 295 583
DIN 72 591	90° angled	Flush mounting	Ø24 x 100 mm	2 poled socket	800 mm cable with Super Seal socket	8	098 295 585

Brands of the BPW Group:



January 2024 • Version 2.1



ERMAX A/S
Vranderupvej 2 • DK-6000 Kolding
Tel. +45 3969 6800 • www.ermax.dk