

L52 single color - clear and tinted lens

Technical Data

Lens	Coated polycarbonate
Color	Clear lens: Blue, Amber Green, Red, White Tinted lens: Blue, Amber
Diodes	6 high power LED
Cable	2 m
Power	10-30 V DC
Ambient temperature	-40°C to +85°C
Power consumption	Peak value: 1 A @ 13,8 VDC, 0,5 A @ 27,6V DC Average value: 0,5A @ 13,8V DC, 0,25A @ 27,6V DC
Size	113 x 28 x 9 mm
Approvals	Light: Clear lens ECE R65 (E5), SAE J595: Amber and Blue class 2, Red and White class 1 Light: Tinted lens ECE R65 (E5) class 1 EMC: ECE R10 (E5) IP6K9K
Included	1 x L52 Lamp (Horizontal or Vertical, Clear or Tinted) 1 x gasket 1 x assembly kit
Synchronizing	12 V: Up to 12 lamps 24 V: Up to 8 lamps

WARNING

Risk of eye damage. Do not look into the beam at close range.

Factory Settings

Flash pattern	Sync mode
Double – tinted lens	Simultaneous
Double I – clear lens	Simultaneous

Connection

Table 1. Connections if flash pattern Double, Triple, Double I, Triple I or Steady burn 2 is selected.

Wire	Function
Black (-)	Ground
Red (+)	Power supply 10-30 V (lamp On/Off)
Blue (-)	Day and Night mode (Not used in Tinted versions)
White	Sync flashing (connect to other lamps)

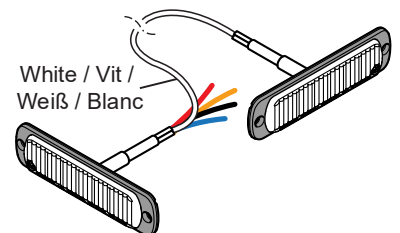
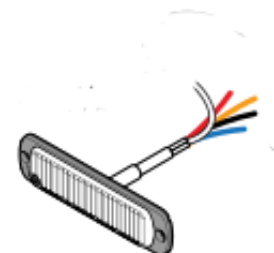
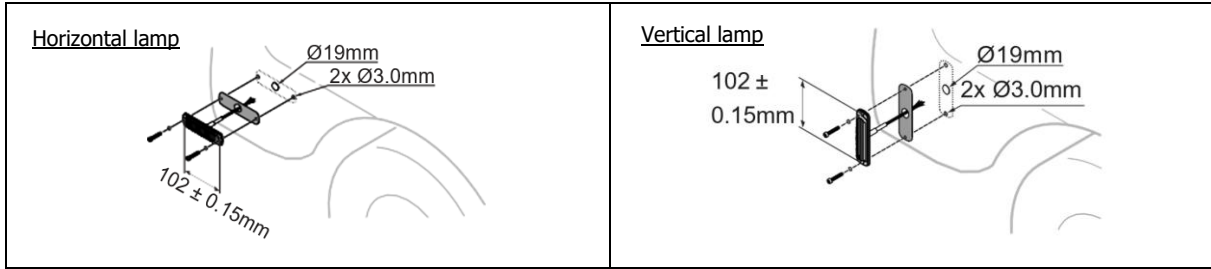


Table 2. Connections if flash pattern Steady burn 1 is selected.

Wire	Function
Black (-)	Ground
Red (+)	Power supply 10-30 V
Blue (-)	Day and Night mode (Not used in Tinted versions)
White (-)	Lamp on/off

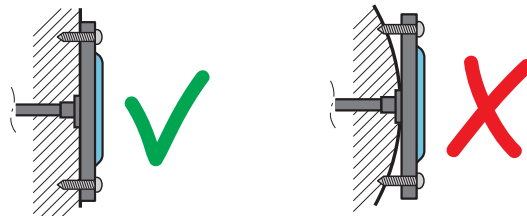


Installation



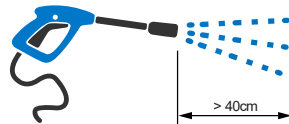
! CAUTION

The lamp must be mounted on a flat surface.



To prevent moisture from entering the lamp through the cable end, make sure that the cable end is sealed or located in a dry part of the vehicle.

When using a pressure washer, keep a minimum distance of 40 cm.



Flash Patterns

Clear lens

Flash pattern	Number of blank flashes during configuration	Information
Double I	1	Factory setting
Triple I	2	
Steady Burn 1	3	Steady or flash pattern via external flasher.
Steady Burn 2	4	Steady or flash pattern via external flasher.

Tinted lens

Flash pattern	Number of blank flashes during configuration	Information
Double	1	Factory setting
Triple	2	
Double I	3	
Triple I	4	
Steady Burn 1	5	Steady or flash pattern via external flasher.
Steady Burn 2	6	Steady or flash pattern via external flasher.

Sync Modes

Sync mode	Number of blank flashes during configuration	Information
Simultaneous	1	The interconnected lights will light up at the same time
Alternate	2	The interconnected lights will light up alternately

Note: Lamps are not possible to sync with L52 2C.

Configuring of the lamps - Enter configuration mode

1. Disconnect lamp from power supply
2. Connect the red wire to 10-30 V DC via a 5 A fuse
3. Connect the black wire to ground.
4. Within 1 to 6 sec: temporarily connect the **white wire** to **ground** and let it stay connected for at least 2 sec and the configuration mode is entered.

Change Flash pattern

1. When in configuration mode set desired flash pattern by using **white wire** to just touch and then release **ground**. Every touch changes to the next pattern.
2. The number of **blank** flashes (lamp off) shows the current flash pattern setting. See Flash pattern table above.
3. Disconnect the power supply to save the selected settings and exit configuration mode.

Change Sync mode

1. When in configuration mode set desired sync mode by using **blue wire** to just touch and then release **ground**. Every touch changes to the next sync mode.
2. The number of **blank** flashes (lamp off) shows the current flash sync mode setting. See Sync mode table above.
3. Disconnect the power supply to save the selected settings and exit configuration mode

Factory Reset

1. Enter configuration mode
2. Connect **blue and white** wire to **ground** and let them stay connected for at least 2 seconds.
3. The reset is confirmed with a bright steady light for 2-3 seconds.
4. Disconnect the power supply to save the selected settings and exit configuration mode.